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MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

1.1 Identification of the product

Denomination: **Color.Me by Kevin.Murphy Powder.Lightener Refill, Ammonia free**
Code: 14838KEV
(Blue bleaching powder)

1.2. Relevant identified uses of the substance or mixture and uses advised against

hair bleaching powder

1.3. Details of the supplier of the safety data sheet

Distributed by: HUWELL CHEMICALS S.p.a.
Via C.R.Darwin 73/79
20019 – Settimo Milanese (MI)
Tel.: 02/33501936
Fax: 02/33576965
lab1@huwell.it

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.

Symbols:

GHS03

Oxidizing solids, Category 3	H272: May intensify fire; oxidizer.

GHS08

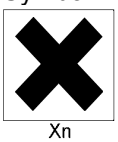
Respiratory sensitization, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GHS07

Acute toxicity, Category 4	H302: Harmful if swallowed
STOT SE 3	H335: May cause respiratory irritation.
Skin irritation, Category 2	H315: Causes skin irritation
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.

2.1.2. Directive 67/548/EEC and following amendments and adjustments.

Symbol



Xn

X_n Harmful

O Oxidizing

R phrases	R8	Contact with combustible material may cause fire
	R22	Harmful if swallowed
	R36/37/38	Irritating to eyes, respiratory system and skin.
	R42/43	May cause sensitization by inhalation and skin contact.

2.2. Label elements.

Signal word: Danger

Symbols:

GHS07

GHS03

GHS08

Hazard statements

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Precautionary statements

Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P220 Keep/Store away from clothing/…/combustible materials.
P261 Avoid breathing dust / fume / gas / vapor / spray
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P232 Protect from moisture
P262 Do not get in eyes, on skin, or on clothing.

Response

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
P363 Wash contaminated clothing before reuse.

Disposal:
P501 Dispose of contents/container to an approved waste disposal plant

Result of PBT and vPvB evaluation: information not available

3. COMPOSITION / INFORMATION ON INGREDIENTS

Dangerous substances for health and as per 67/548/CEE regulation and 1272/2008 (CLP) regulation and subsequent revisions or limited exposition substances:
- Potassium Persulfate CAS 7727-21- 1
-
- Sodium Metasilicate CAS 6834-92-0

4. FIRST AID MEASURES

4.1. Description of first aid measures.
General advice : Take off all contaminated clothing immediately. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. If you feel unwell, seek medical advice (show the label where possible).
Inhalation : Remove to fresh air. Call a physician immediately.
Skin contact : Wash off immediately with soap and plenty of water. Obtain medical attention.
Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion : Clean mouth with water and drink afterwards plenty of water.
If a person vomits when lying on his back, place him in the recovery position. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.
4.2. Most important symptoms and effects, both acute and delayed.
For symptoms and effects caused by the contained substances see chap. 11.
4.3. Indication of any immediate medical attention and special treatment needed.
Follow doctor's orders.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media.
Suitable extinguishing media : Water, water spray, CO_2, foam. Water or water spray has to be used until complete extinguishing
In case of big fires, wear breathing apparatus and complete protective clothing.
Unsuitable extinguishing media : High volume water jet
5.2. Special hazards arising from the substance or mixture.
Specific hazards : Cool closed containers exposed to fire with water spray. Fight any surrounding fire with suitable fire-extinguishing agents.
Flood small amounts of decomposing products with water (add foaming agent to the water for better penetration). Remove any unaffected product. Control smoke with water spray
5.3. Advice for firefighters.
Wear self-contained breathing apparatus and protective suit.
Further information : Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.
Avoid contact with skin, eyes and clothing. Avoid breathing dust. Wear personal protective equipment. Ensure adequate ventilation, especially in confined areas.
6.2. Environmental precautions.
Should not be released into the environment. Do not contaminate water. Do not allow material to contaminate ground water system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up.
Remove mechanically and with care (e.g. with clean polyethylene plastic shovel). Avoid dust formation.
Wash small residues with plenty of water
6.4. Reference to other sections.
Never add other substances or waste material to product residue. Move product residue to a safe place and dispose of properly.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling.
Advice on safe handling : For personal protection see section 8. Product is hygroscopic
Never pour product residue back into storage container. Risk of decomposition.
Avoid dust formation during the handling of the product.
Provide accurate dust captation and adequate ventilation/aspiration in working areas. Avoid the formation of electro-static charges.
7.2. Conditions for safe storage, including any incompatibilities.
Keep away from combustible materials. Avoid dust formation
Electrical installations / working materials must comply with the technological safety standards. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. No smoking. Avoid impurities (e.g. rust, dust, ash), risk of decomposition. Protect from moisture. Store apart from other dangerous and incompatible substances.
store in cool (below 30 °C) and dry areas. Avoid contamination and avoid the presence of reducing agents like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the container may break. AVOID humid organic material as paper towel, wood, clothes, etc. which could induce spontaneous combustion. Protect from heat and sunlight; store in places far from rain and humidity; never store outdoors. Store separately from other dangerous and incompatible substances
7.3. Specific end use(s).
Information not available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters.
Contains no substances with occupational exposure limit values.
Other information on limit values: see chapter 16
Exhaust ventilation is required where the products are stored and/or handled. Keep far from food, drink and animal feeding stuff.
8.2. Exposure controls.
Provide adequate ventilation.
Personal protective equipment
Respiratory protection: not requested for normal use; you may wear a paper mask for powders. Avoid inhalation. When containers are open, protect the face. For prolonged exposures, wear a mask for harmful powders.
Skin/hands protection: wear protective gloves.
Eye protection: not requested. Avoid contact

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties.

Appearance	Blue powder
Odour	Wooden fruit
Bulk density	0,70-0,88 g/ml
Solubility in water	Partially soluble
Melting point	Not known
Boiling point	Not known
Decomposition temperature	> 65°C
pH (aqueous dispersion 1g/100ml)	10,8-11,8
% equivalent active oxygen	2,15-2,75
Allergens	Benzyl Salicylate / Hexyl Cinnamal / Limonene / Linalool

10. STABILITY AND REACTIVITY

10.1. Reactivity: The product does not undergo decomposition if handled in accordance with regulations.
10.2. Chemical stability: The product is stable in security conditions, up to 65 °C; above this temperature it slowly starts to decompose, giving rise to small quantities of oxygen and ammonia. At approximately 180 °C decomposition becomes fast and auto-accelerating, and generates oxygen which can give rise to relevant fires.
Humidity is a very important factor, because the product moisture - when not kept under control and not stable- can considerably lower the decomposition temperature.
10.3. Possibility of hazardous reactions. Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.
10.4. Conditions to avoid: heat, moisture, reducing agents such as waving lotions. Avoid impact. Do not subject to friction. May build static electric charge.
10.5. Incompatible materials: acids, alkali, halides, metals, burning and combustible materials. Do not use metallic bowls or stirrers.
10.6. Hazardous decomposition products: corrosive gases/vapours; toxic gases/vapours of sulfur (SO_x), ammonia, nitrogen oxides (NO_x) and ozone.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects.
This product contains ingredients that may present health hazards. These ingredients are irritating to skin and mucous membranes of the eyes and respiratory system They may trigger asthmatic attacks in sensitive individuals. They may induce skin sensitization and respiratory hypersensitivity.
Effects of chronic exposure: for purpose of chronic exposure under the OSHA Hazard Communication Standard, this is an untested mixture.
Target organs: skin, respiratory system.
Route of entry: inhalation, ingestion and skin.
General medical conditions, aggravated by exposure, will be related to the primary toxic (pharmacological) effect of this material; pre-existing dermatitis would be likely to get worse by a skin irritant; bronchitis is aggravated by irritant gases of particulates in the air.

12. ECOLOGICAL INFORMATION

Always follow good hygienic work practices. Avoid product dispersion in the environment.
German classification of risk for waters: WGK 1 - slightly dangerous.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods.
Do not dispose of the product together with domestic waste. Do not let it enter the drainage system.
Disposal should be in accordance with all applicable local and state regulations.

14. TRANSPORT INFORMATION

UN 1479

Road/railway transport (ADR/RID)

Class 5.1
Packaging group III
Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, , Sodium Metasilicate)

Marine transport (IMO/IMDG)

Class 5.1
Packaging group III
Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, , Sodium Metasilicate)
No marine pollutant

Air transport (ICAO/IATA)

Class 5.1
Packaging group III
Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Sodium Metasilicate)

Environmental hazards
Marine pollutant: no
Special precaution for user: see chapter 6,7 and 8
Nr. Di identificazione pericolo: 50
Nr EMS: Nr 12: F-A Nr2: S-Q
Trasporto di rinfuse secondo l'Allegato II di MARPOL 73/78 ed il codice IBC: Non applicabile

15. REGULATORY INFORMATION

Classification Regulation (EC) No. 1272/2008
Symbols:

Signal word: Danger
Hazard statements:

H272 May intensify fire; oxidiser.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H302 Harmful if swallowed.
H335 May cause respiratory irritation.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statements
Prevention:
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P220 Keep/Store away from clothing/…/combustible materials.
P261 Avoid breathing dust / fume / gas / vapor / spray
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P232 Protect from moisture
P262 Do not get in eyes, on skin, or on clothing.

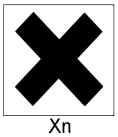
Response
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
P363 Wash contaminated clothing before reuse.

Disposal:
P501 Dispose of contents/container to an approved waste disposal plant

Classification according to CEE directions:

Symbol

O Oxidizing



Xn

X_n Harmful

R phrases	R8	Contact with combustible material may cause fire
	R22	Harmful if swallowed
	R36/37/38	Irritating to eyes, respiratory system and skin.
	R42/43	May cause sensitization by inhalation and skin contact.
S phrases	S2	Keep out of reach of children
	S8	**Keep container dry**
	S22	Do not breathe dust.
	S24	Avoid contact with the skin
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S28	After contact with skin, wash immediately with plenty of water.
	S46	If swallowed seek medical advice immediately and show this container or label.

16. FURTHER INFORMATION

This information is based on our present state of knowledge and is intended solely to describe our productions in terms of safety requirements. It should not be construed in any way, as guaranteeing specific properties.
This safety data sheet cancels and replaces any previous edition.

Rev. 13
Date: 24/05/2013

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MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

1.1 Identification of the product

Denomination: **Color.Me by Kevin.Murphy Powder.Lightener Refill**
Code: 14269KEV
(Blue bleaching powder)

1.2. Relevant identified uses of the substance or mixture and uses advised against

hair bleaching powder

1.3. Details of the supplier of the safety data sheet

Distributed by: HUWELL CHEMICALS S.p.a.
Via C.R.Darwin 73/79
20019 – Settimo Milanese (MI)
Tel.: 02/33501936
Fax: 02/33576965
lab1@huwell.it

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.

Symbols:

GHS03

Oxidizing solids, Category 3	H272: May intensify fire; oxidizer.

GHS08

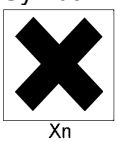
Respiratory sensitization, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GHS07

Acute toxicity, Category 4	H302: Harmful if swallowed
STOT SE 3	H335: May cause respiratory irritation.
Skin irritation, Category 2	H315: Causes skin irritation
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.

2.1.2. Directive 67/548/EEC and following amendments and adjustments.

Symbol



Xn

X_n Harmful

O Oxidizing

R phrases	R8	Contact with combustible material may cause fire
	R22	Harmful if swallowed
	R36/37/38	Irritating to eyes, respiratory system and skin.
	R42/43	May cause sensitization by inhalation and skin contact.

2.2. Label elements.

Signal word: Danger

Symbols:

GHS07

GHS03

GHS08

Hazard statements

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Precautionary statements

Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P220 Keep/Store away from clothing/…/combustible materials.
P261 Avoid breathing dust / fume / gas / vapor / spray
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P232 Protect from moisture
P262 Do not get in eyes, on skin, or on clothing.

Response

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
P363 Wash contaminated clothing before reuse.

Disposal:
P501 Dispose of contents/container to an approved waste disposal plant

Result of PBT and vPvB evaluation: information not available

3. COMPOSITION / INFORMATION ON INGREDIENTS

Dangerous substances for health and as per 67/548/CEE regulation and 1272/2008 (CLP) regulation and subsequent revisions or limited exposition substances:
- Potassium Persulfate CAS 7727-21- 1
- Ammonium Persulfate CAS 7727-54-0
- Sodium Metasilicate CAS 6834-92-0

4. FIRST AID MEASURES

4.1. Description of first aid measures.
General advice : Take off all contaminated clothing immediately. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. If you feel unwell, seek medical advice (show the label where possible).
Inhalation : Remove to fresh air. Call a physician immediately.
Skin contact : Wash off immediately with soap and plenty of water. Obtain medical attention.
Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion : Clean mouth with water and drink afterwards plenty of water.
If a person vomits when lying on his back, place him in the recovery position. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.
4.2. Most important symptoms and effects, both acute and delayed.
For symptoms and effects caused by the contained substances see chap. 11.
4.3. Indication of any immediate medical attention and special treatment needed.
Follow doctor's orders.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media.
Suitable extinguishing media : Water, water spray, CO_2, foam. Water or water spray has to be used until complete extinguishing
In case of big fires, wear breathing apparatus and complete protective clothing.
Unsuitable extinguishing media : High volume water jet
5.2. Special hazards arising from the substance or mixture.
Specific hazards : Cool closed containers exposed to fire with water spray. Fight any surrounding fire with suitable fire-extinguishing agents.
Flood small amounts of decomposing products with water (add foaming agent to the water for better penetration). Remove any unaffected product. Control smoke with water spray
5.3. Advice for firefighters.
Wear self-contained breathing apparatus and protective suit.
Further information : Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.
Avoid contact with skin, eyes and clothing. Avoid breathing dust. Wear personal protective equipment. Ensure adequate ventilation, especially in confined areas.
6.2. Environmental precautions.
Should not be released into the environment. Do not contaminate water. Do not allow material to contaminate ground water system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up.
Remove mechanically and with care (e.g. with clean polyethylene plastic shovel). Avoid dust formation.
Wash small residues with plenty of water
6.4. Reference to other sections.
Never add other substances or waste material to product residue. Move product residue to a safe place and dispose of properly.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling.
Advice on safe handling : For personal protection see section 8. Product is hygroscopic
Never pour product residue back into storage container. Risk of decomposition.
Avoid dust formation during the handling of the product.
Provide accurate dust captation and adequate ventilation/aspiration in working areas. Avoid the formation of electro-static charges.
7.2. Conditions for safe storage, including any incompatibilities.
Keep away from combustible materials. Avoid dust formation
Electrical installations / working materials must comply with the technological safety standards. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. No smoking. Avoid impurities (e.g. rust, dust, ash), risk of decomposition. Protect from moisture. Store apart from other dangerous and incompatible substances.
store in cool (below 30 °C) and dry areas. Avoid contamination and avoid the presence of reducing agents like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the container may break. AVOID humid organic material as paper towel, wood, clothes, etc. which could induce spontaneous combustion. Protect from heat and sunlight; store in places far from rain and humidity; never store outdoors. Store separately from other dangerous and incompatible substances
7.3. Specific end use(s).
Information not available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters.
Contains no substances with occupational exposure limit values.
Other information on limit values: see chapter 16
Exhaust ventilation is required where the products are stored and/or handled. Keep far from food, drink and animal feeding stuff.
8.2. Exposure controls.
Provide adequate ventilation.
Personal protective equipment
Respiratory protection: not requested for normal use; you may wear a paper mask for powders. Avoid inhalation. When containers are open, protect the face. For prolonged exposures, wear a mask for harmful powders.
Skin/hands protection: wear protective gloves.
Eye protection: not requested. Avoid contact

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties.

Appearance	Blue powder
Odour	Characteristic
Bulk density	0,70-0,88 g/ml
Solubility in water	Partially soluble
Melting point	Not known
Boiling point	Not known
Decomposition temperature	> 65°C
pH (aqueous dispersion 1g/100ml)	9,6-10,6
% equivalent active oxygen	3,45 - 4,05
Allergens	

10. STABILITY AND REACTIVITY

10.1. Reactivity: The product does not undergo decomposition if handled in accordance with regulations.
10.2. Chemical stability: The product is stable in security conditions, up to 65 °C; above this temperature it slowly starts to decompose, giving rise to small quantities of oxygen and ammonia. At approximately 180 °C decomposition becomes fast and auto-accelerating, and generates oxygen which can give rise to relevant fires.
Humidity is a very important factor, because the product moisture - when not kept under control and not stable- can considerably lower the decomposition temperature.
10.3. Possibility of hazardous reactions. Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.
10.4. Conditions to avoid: heat, moisture, reducing agents such as waving lotions. Avoid impact. Do not subject to friction. May build static electric charge.
10.5. Incompatible materials: acids, alkali, halides, metals, burning and combustible materials. Do not use metallic bowls or stirrers.
10.6. Hazardous decomposition products: corrosive gases/vapours; toxic gases/vapours of sulfur (SO_x), ammonia, nitrogen oxides (NO_x) and ozone.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects.
This product contains ingredients that may present health hazards. These ingredients are irritating to skin and mucous membranes of the eyes and respiratory system They may trigger asthmatic attacks in sensitive individuals. They may induce skin sensitization and respiratory hypersensitivity.
Effects of chronic exposure: for purpose of chronic exposure under the OSHA Hazard Communication Standard, this is an untested mixture.
Target organs: skin, respiratory system.
Route of entry: inhalation, ingestion and skin.
General medical conditions, aggravated by exposure, will be related to the primary toxic (pharmacological) effect of this material; pre-existing dermatitis would be likely to get worse by a skin irritant; bronchitis is aggravated by irritant gases of particulates in the air.

12. ECOLOGICAL INFORMATION

Always follow good hygienic work practices. Avoid product dispersion in the environment.
German classification of risk for waters: WGK 1 - slightly dangerous.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods.
Do not dispose of the product together with domestic waste. Do not let it enter the drainage system.
Disposal should be in accordance with all applicable local and state regulations.

14. TRANSPORT INFORMATION

UN 1479

Road/railway transport (ADR/RID)

Class 5.1
Packaging group III
Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Ammonium Persulfate,)

Marine transport (IMO/IMDG)

Class 5.1
Packaging group III
Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Ammonium Persulfate,)
No marine pollutant

Air transport (ICAO/IATA)

Class 5.1
Packaging group III
Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Ammonium Persulfate)

Environmental hazards
Marine pollutant: no
Special precaution for user: see chapter 6,7 and 8
Nr. Di identificazione pericolo: 50
Nr EMS: Nr 12: F-A Nr2: S-Q
Trasporto di rinfuse secondo l'Allegato II di MARPOL 73/78 ed il codice IBC: Non applicabile

15. REGULATORY INFORMATION

Classification Regulation (EC) No. 1272/2008
Symbols:

Signal word: Danger
Hazard statements:

H272 May intensify fire; oxidiser.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H302 Harmful if swallowed.
H335 May cause respiratory irritation.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statements
Prevention:
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P220 Keep/Store away from clothing/…/combustible materials.
P261 Avoid breathing dust / fume / gas / vapor / spray
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P232 Protect from moisture
P262 Do not get in eyes, on skin, or on clothing.

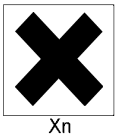
Response
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
P363 Wash contaminated clothing before reuse.

Disposal:
P501 Dispose of contents/container to an approved waste disposal plant

Classification according to CEE directions:

Symbol

O Oxidizing



Xn

X_n Harmful

R phrases	R8	Contact with combustible material may cause fire
	R22	Harmful if swallowed
	R36/37/38	Irritating to eyes, respiratory system and skin.
	R42/43	May cause sensitization by inhalation and skin contact.
S phrases	S2	Keep out of reach of children
	S8	**Keep container dry**
	S22	Do not breathe dust.
	S24	Avoid contact with the skin
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S28	After contact with skin, wash immediately with plenty of water.
	S46	If swallowed seek medical advice immediately and show this container or label.

16. FURTHER INFORMATION

This information is based on our present state of knowledge and is intended solely to describe our productions in terms of safety requirements. It should not be construed in any way, as guaranteeing specific properties.
This safety data sheet cancels and replaces any previous edition.

Rev. 13
Date: 24/05/2013

Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **14562**

Product name **FREE STYLE.LIGHTENER (DECO BALAYAGE PLUS 03)**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use **Bleaching powder for hair (for cosmetic use)**

1.3. Details of the supplier of the safety data sheet

KEVIN.MURPHY Business Name / Full Address, District, and Country: **Kevin Murphy Business Services Pty Ltd**
7 Endeavour Way, Sunshine West VIC 3020, Australia

COLOR.ME Business Name / Full Address, District, and Country: **KM LIQUID Concept AB**
Refshalevej 163 A, 2. sal
1432 Copenhagen K, Denmark

1.4. Emergency telephone number

For urgent inquiries refer to

Ospedale Niguarda Ca' Granda - Milano - 02/66101029
Azienda Ospedaliera S.G.Battista - Molinette - Torino - 011/6637637
Clinica Del Lavoro E Della Riabilitazione- Pavia - 0382/24444
Università Degli Studi Di Padova - Padova - 049/8275078 04
Istituto Scientifico G. Gaslini - Genova - 010/5636245
Azienza Ospedaliera Careggi - Firenze - 055/4277238
Policlinico A.Gemelli - Univ. Cattolica Del Sacro Cuore - Roma - 06/3054343
Centro Antiveleni - Università La Sapienza - Roma - 06/49970698
Centro Antiveleni Azianda Ospedaliera A. Cardarelli - Napoli - 081/7472870

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Oxidising solid, category 3	H272	May intensify fire; oxidiser.
Acute toxicity, category 4	H302	Harmful if swallowed.
Skin corrosion, category 1B	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.
Specific target organ toxicity - single exposure, category 3	H335	May cause respiratory irritation.
Respiratory sensitization, category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.

2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Signal words: Danger

Hazard statements:

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220	Keep / Store away from clothing / . . . / combustible materials.
P264	Wash . . . thoroughly after handling.
P280	Wear protective gloves / clothing and eye / face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P301+P312	IF SWALLOWED: call a POISON CENTER / doctor / . . . / if you feel unwell.
P304+P340	IF INHALED: remove person to fresh air and keep comfortable for breathing.
P370+P378	In case of fire: use . . . to extinguish.

Contains: DISODIUM METASILICATE
SODIUM PHOSPHATE TRIBASIC ANHYDROUS
DIPOTASSIUM PEROXODISULPHATE
AMMONIUM PEROXYDISULPHATE

2.3. Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification.	Conc. %.	
DIPOTASSIUM PEROXODISULPHATE		
CAS. 7727-21-1	25 - 50	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317
EC. 231-781-8		
INDEX. 016-061-00-1		
Reg. no. 01-2119495676-19-0000		
SODIUM PHOSPHATE TRIBASIC ANHYDROUS		
CAS. 7601-54-9	5 - 10	Skin Corr. 1B H314
EC. 231-509-8		
INDEX. -		
DISODIUM METASILICATE		
CAS. 6834-92-0	1 - 5	Met. Corr. 1 H290, Skin Corr. 1B H314, STOT SE 3 H335
EC. 229-912-9		
INDEX. 014-010-00-8		
Reg. no. 01-2119449811-37-xxxx		
AMMONIUM DIHYDROGEN PHOSPHATE		
CAS. 7783-28-0	1 - 5	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335
EC. 231-987-8		
INDEX. -		
AMMONIUM PEROXYDISULPHATE		
CAS. 7727-54-0	1 - 5	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317
EC. 231-786-5		
INDEX. 016-060-00-6		
Reg. no. 01-2119495973-19-0000		

Note: Upper limit is included into the range.

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.
INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT
Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.
UNSUITABLE EXTINGUISHING EQUIPMENT
Do not use jets of water.
Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION
In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

If there are no contraindications, spray powder with water to prevent the formation of dust. Avoid breathing vapours/mists/gases.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Use spark-proof mechanical equipment to collect the leaked product and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues.
Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Store in cool (below 30 °C) and dry areas. Avoid contamination and avoid the presence of reducing agents like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the container may break. AVOID humid organic material as paper towel, wood, clothes, etc. which could induce spontaneous combustion. Protect from heat and sunlight; store in places far from rain and humidity; never store outdoors. Store separately from other dangerous and incompatible substances.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

BEL	Belgique	AR du 11/3/2002. La liste est mise à jour pour 2010
IRL	Éire	Code of Practice Chemical Agent Regulations 2011
	TLV-ACGIH	ACGIH 2014

AMMONIUM PEROXYDISULPHATE

Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
VLEP	BEL	0,1			
OEL	IRL	0,1			
TLV-ACGIH		0,1			

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for inert particulate otherwise classified (PNOC respirable fraction: 3 mg/m3; PNOC inhalable fraction: 10 mg/m3). For values above these limits, use a P type filter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION
In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).
Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION
Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION
Wear airtight protective goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

RESPIRATORY PROTECTION
Use a type P filtering facemask (see standard EN 149) or equivalent device, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	powder
Colour	Off-white
Odour	characteristic
Odour threshold.	Not available.
pH.	9,6-10,6
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.

Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	Not available.
Solubility	partially soluble
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information.

Information not available

SECTION 10. Stability and reactivity.

10.1. Reactivity.

DISODIUM METASILICATE: the aqueous solutions behave like strong bases.

10.2. Chemical stability.

Information not available.

10.3. Possibility of hazardous reactions.

The product may react violently with water.

DISODIUM METASILICATE:may react dangerously with fluorine and lithium.

10.4. Conditions to avoid.

Avoid overheating. Prevent moisture or water from penetrating inside the containers.

10.5. Incompatible materials.

DISODIUM METASILICATE:in aqueous solution it is incompatible with acids, organic anhydrides, acrilates, alcohols, aldehydes, alkyl oxides, cresoles, caprolactam solutions, epichlorohydrin, ethylene dichloride; glycols, isocyanates, ketones, nitrates, phenols and vinyl acetate.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.
Acute effects: ingestion of this product is harmful. Even small amounts of product may cause serious health problems (stomach pain, nausea, sickness, diarrhoea).
This product is corrosive and causes serious burns and vesicles on the skin, which can arise even after exposure. Burns are very stinging and painful. Upon contact with eyes, it may cause serious harm, such as cornea opacity, iris lesions, irreversible eye coloration. The vapors and/or powders are caustic for the respiratory system and may cause pulmonary edema, whose symptoms sometimes arise only after some hours.
Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness.
If swallowed, it may cause mouth, throat and oesophagus burns, sickness, diarrhoea, edema, larynx swelling and, consequently, asphyxia. Perforation of the gastro-intestinal tract is also possible.
This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.
Acute effects: inhalation of this product may irritate the lower and upper respiratory tract and cause cough and respiratory disorders; at higher concentrations it can also cause pulmonary edema. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.
Inhalation of this product causes sensitization, which may then give rise to a series of inflammatory episodes, most of all characterized by obstruction and affecting the respiratory system. Sometimes, sensitization phenomena arise together with evident rhinitis and asthma. Damages to the respiratory system depend on the inhaled quantity, on the product concentration in the working environment and on the exposure time.
Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include: erythemas, edemas, papules, vesicles, pustules, scurvies, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Erythemas, edemas and exudative phenomena prevail during the acute phase. Scurfy skin, dryness, ulcerations and skin thickening prevail during the chronic phase.

Dipotassium peroxodisulphate
LD50 (Oral).> 700 mg/kg (ratto)
LD50 (Dermal).> 2000 mg/kg (ratto)
LC50 (Inhalation).> 2,95 mg/l (ratto)

DISODIUM METASILICATE
LD50 (Oral).600 mg/kg Rat
LD50 (Dermal).> 5000 mg/kg bw (Ratto)
LC50 (Inhalation).> 2,06 g/m3 (Ratto)

SODIUM PHOSPHATE TRIBASIC ANHYDROUS
LD50 (Oral).4,8 mg/kg Rat
LD50 (Dermal).2 mg/kg Rabbit
LC50 (Inhalation).2,16 mg/l/1h Rat

AMMONIUM DIHYDROGEN PHOSPHATE
LD50 (Oral).6500 mg/kg Rat
LD50 (Dermal).> 7950 mg/kg Rabbit

AMMONIUM PEROXYDISULPHATE
LD50 (Oral).495 mg/kg Rat
LD50 (Dermal).2000 mg/kg Rat
LC50 (Inhalation).2,95 mg/l/4h Rat

SECTION 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1. Toxicity.

Dipotassium peroxodisulphate	
LC50 - for Fish.	> 76,3 mg/l/96h (trota iridea)
EC50 - for Crustacea.	> 120 mg/l/48h (daphnia)
EC50 - for Algae / Aquatic Plants.	> 83,7 mg/l/72h (pseudokirchneriella subcapitata)
DISODIUM METASILICATE	
LC50 - for Fish.	1108 mg/l/96h (Brachydanio rerio)
EC50 - for Crustacea.	1700 mg/l/48h (Daphnia magna)
EC50 - for Algae / Aquatic Plants.	207 mg/l/72h (Schenedesmus subspicatus)
AMMONIUM PEROXYDISULPHATE	
LC50 - for Fish.	76,3 mg/l/96h (trota iridea)
EC50 - for Crustacea.	120 mg/l/48h (Daphnia magna)

12.2. Persistence and degradability.

DISODIUM METASILICATE	
Solubility in water.	210000 mg/l

Biodegradability: Information not available.

Rapidly biodegradable.

SODIUM PHOSPHATE TRIBASIC ANHYDROUS	
Solubility in water.	> 10000 mg/l

Biodegradability: Information not available.

AMMONIUM DIHYDROGEN PHOSPHATE	
Solubility in water.	> 10000 mg/l

Biodegradability: Information not available.

AMMONIUM PEROXYDISULPHATE	
Solubility in water.	> 10000 mg/l

Biodegradability: Information not available.

12.3. Bioaccumulative potential.

Information not available.

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Waste transportation may be subject to ADR restrictions.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

14.1. UN number.

ADR / RID, IMDG, IATA:	1479

14.2. UN proper shipping name.

ADR / RID:	OXIDIZING SOLID, N.O.S. MIXTURE
IMDG:	OXIDIZING SOLID, N.O.S. MIXTURE
IATA:	OXIDIZING SOLID, N.O.S. MIXTURE

14.3. Transport hazard class(es).

ADR / RID:	Class: 5.1	Label: 5.1
IMDG:	Class: 5.1	Label: 5.1
IATA:	Class: 5.1	Label: 5.1

14.4. Packing group.

ADR / RID, IMDG, IATA:	III

14.5. Environmental hazards.

ADR / RID: NO

14.6. Special precautions for user.

ADR / RID:	HIN - Kemler: 50	Limited Quantities 5 kg	Tunnel restriction code (E)
	Special Provision: -		
IMDG:	EMS: F-A, S-Q	Limited Quantities 5 kg	
IATA:	Cargo:	Maximum quantity: 100 Kg	Packaging instructions: 563
	Pass.:	Maximum quantity: 25 Kg	Packaging instructions: 559
	Special Instructions:	A3	

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.

Information not relevant.

SECTION 15. Regulatory information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category. None.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Contained substance.

Point.	Decision 2013/505/UE - AMMONIUM PEROXYDISULPHATE Reg. no.: 01-2119495973-19-0000 Decision 2013/505/UE - AMMONIUM DIHYDROGEN PHOSPHATE

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Sol. 3	Oxidising solid, category 3
Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Respiratory sensitization, category 1
Skin Sens. 1	Skin sensitization, category 1
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP

- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 453/2010 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier	
Code:	**Kevin Murphy**
Product name	**Color me 1.0 - 4.0**

1.2. Relevant identified uses of the substance or mixture and uses advised against	
Intended use	**Cream hair colour**

1.3. Details of the supplier of the safety data sheet	
Name	**PETTENON COSMETICS s.p.a.**
Full address	**Via del Palù nr. 7/D**
District and Country	**35018 San Martino di Lupari (PD)**
	ITALIA
	Tel.: +39(0)4999888
	Fax.: +39(0) 049998809
e-mail address of the competent person	
responsible for the Safety Data Sheet	**safetydoc@pettenon.it**
Product distribution by	**PETTENON COSMETICS s.p.a.**

1.4. Emergency telephone number	
For urgent inquiries refer to	**02 66101029 Centro Antiveleni di Milano**

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.

Hazard classification and indication:

Acute Tox. 4	H302
Skin Corr. 1A	H314

Eye Dam. 1	H318
Skin Sens. 1A	H317
STOT SE 2	H371
Aquatic Chronic 2	H411

2.1.2. 67/548/EEC and 1999/45/EC Directives and following amendments and adjustments.

Danger Symbols:
C-N
R phrases:
20/21/22-31-34-43-51/53

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

Signal words:	Danger

Hazard statements:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H371	May cause damage to organs.
H411	Toxic to aquatic life with long lasting effects.
EUH031	Contact with acids liberates toxic gas.
EUH208	Contains: 2,4-DIAMINOPHENOXYETHANOL HCL

	May produce an allergic reaction.

Precautionary statements:

P264	Wash . . . thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Contains:	ETHANOLAMINE
	LAURETH-3
	RESORCINOL
	TOLUENE 2,5-DIAMINE SULFATE

2.3. Other hazards.

Information not available.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification.	Conc. %.	Classification 67/548/EEC.	Classification 1272/2008 (CLP).
ETHANOLAMINE			
CAS. 141-43-5	8 - 10	C R34, Xn R20/21/22	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1A H314, STOT SE 3 H335, Aquatic Chronic 3 H412
EC. 205-483-3			
INDEX. 603-030-00-8			
Reg. no. 01-2119486455-28-0001			
TOLUENE 2,5-DIAMINE SULFATE			
CAS. 615-50-9	4 - 6	T R25, Xn R20/21, Xi R43, N R50/53	Acute Tox. 3 H301, Acute Tox. 4 H312, Acute Tox. 4 H332, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410
EC. 210-431-8			
INDEX. 612-030-00-7			
LAURETH-3			
CAS. 68439-50-9	5 - 6	Xi R41, N R50	Eye Dam. 1 H318, Aquatic Acute 1 H400 M=1
EC. -			
INDEX. -			
Cocamidopropyl Betaine			
CAS. 61789-40-0	2 - 2,5	Xi R41	Eye Dam. 1 H318
EC. -			
INDEX. -			
OCTYLDODECANOL			
CAS. 5333-42-6	2 - 2,5	Xi R36/37/38	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335
EC. 226-242-9			
INDEX. -			

RESORCINOL			
CAS. 108-46-3	1 - 1,5	Xn R22, Xi R36/38, N R50	STOT SE 1 H370, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1
EC. 203-585-2			
INDEX. -			
Reg. no. 01-2119480136-40-			
OLEYL PHOSPHATE			
CAS. -	1 - 1,5	C R34	Skin Corr. 1A H314
EC. -			
INDEX. -			
2-METHYLRESORCINOL			
CAS. 608-25-3	1 - 1,5	T R25, Xi R36	Acute Tox. 3 H301, Eye Irrit. 2 H319
EC. 210-155-8			
INDEX. -			
PENTASODIUM PENTETATE			
CAS. 000140-01-2	0,8 - 0,9	Repr. Cat. 3 R63, Xn R20	Repr. 2 H361, Acute Tox. 4 H332
EC. -			
INDEX. -			
SODIUM DITHIONITE			
CAS. 7775-14-6	0,15 - 0,2	R31, O R 7, Xn R22	Self-heat. 1 H251, Acute Tox. 4 H302, EUH031
EC. 231-890-0			
INDEX. 016-028-00-1			
SODIUM SULFITE			
CAS. 7757-83-7	0,15 - 0,2	R31	EUH031
EC. 231-821-4			
INDEX. -			

Note: Upper limit is not included into the range.

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.
T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment(N)

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.
INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT
Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.
UNSUITABLE EXTINGUISHING EQUIPMENT
Do not use jets of water.
Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION
In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.
Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Ensure that there is an adequate earthing system for the equipment and personnel. In order to avoid the risk of fires and explosions, never use compressed air when handling. Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Avoid leakage of the product into the environment. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Keep the product in clearly labelled containers. Keep containers well sealed. Store in a ventilated and dry place, far away from sources of ignition. Avoid violent blows. Avoid overheating. Avoid contact with water.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

United Kingdom	EH40/2005 Workplace exposure limits. Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations (as amended).
Éire	Code of Practice Chemical Agent Regulations 2011.
OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
TLV-ACGIH	ACGIH 2012

ETHANOLAMINE

Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min			
		mg/m3	ppm	mg/m3	ppm		

TLV-ACGIH		2,5	1	7,6	3		

Predicted no-effect concentration - PNEC.		
Normal value for the terrestrial compartment	0,035	mg/kg
Normal value in fresh water	0,085	mg/l
Normal value in marine water	0,0085	mg/l
Normal value for fresh water sediment	0,425	mg/kg
Normal value for marine water sediment	0,0425	mg/kg
Normal value of STP microorganisms	100	mg/l

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers.				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.			VND	3.75 mg/kg				
Inhalation.			2 mg/m3	2 mg/m3			3.3 mg/m3	VND
Skin.			VND	0.24 mg/kg			VND	1 mg/kg

TOLUENE 2,5-DIAMINE SULFATE

Predicted no-effect concentration - PNEC.		
Normal value in fresh water	0,0126	mg/L
Normal value in marine water	0,00126	mg/L
Normal value for fresh water sediment	0,0112	mg/Kg
Normal value for marine water sediment	0,00112	mg/Kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers.				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation.			VND	0,49 mg/m3				
Skin.			VND	0,10 mg/Kg/d				

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

If the product may or must come into contact or react with acids, suitable technical and/or organisational measures should be taken to prevent the development of toxic and/or inflammable gases.

HAND PROTECTION
Protect hands with category III work gloves (see standard EN 374).
The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION
Wear category III professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION
Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

RESPIRATORY PROTECTION
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.
If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	cream
Colour	white to beige
Odour	characteristic
Odour threshold.	Not available.
pH.	9.5 - 11.4
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.

Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	0.960 - 0.970
Solubility	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	30000 - 40000 cps
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information.

Information not available.

SECTION 10. Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials.

Information not available.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.
Acute effects: ingestion of this product is harmful. Even small amounts of product may cause serious health problems (stomach pain, nausea, sickness, diarrhoea).
This product is corrosive and causes serious burns and vesicles on the skin, which can arise even after exposure. Burns are very stinging and painful. Upon contact with eyes, it may cause serious harm, such as cornea opacity, iris lesions, irreversible eye coloration. Possible vapours are caustic for the respiratory system and may cause pulmonary edema, whose symptoms sometimes arise only after some hours.
Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness.
If swallowed, it may cause mouth, throat and oesophagus burns, sickness, diarrhoea, edema, larynx swelling and, consequently, asphyxia. Perforation of the gastro-intestinal tract is also possible.
This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.
Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation.
Vapour inhalation may moderately irritate the upper respiratory trait. Contact with skin may cause slight irritation.
Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.
Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include: erythemas, edemas, papules, vesicles, pustules, scurvies, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Erythemas, edemas and exudative phenomena prevail during the acute phase. Scurfy skin, dryness, ulcerations and skin thickening prevail during the chronic phase.
This product may cause irreversible, non-lethal damages after a single exposure by inhalation, cutaneous absorption and ingestion.

TOLUENE 2,5-DIAMINE SULFATE
LD50 (Oral). 98 mg/kg Rat
LD50 (Dermal). 6300 mg/Kg estrapolato
LC50 (Inhalation). 1,8 mg/l/4 h estrapolato

RESORCINOL
LD50 (Oral). 510 mg/Kg rat
LD50 (Dermal). 2830 mg/Kg rat

2-METHYLRESORCINOL
LD50 (Oral). 200 mg/kg Rat

LAURETH-3
LD50 (Oral). > 5000 mg/kg Rat

PROPYLENE GLYCOL
LD50 (Oral). > 20000 mg/kg rat
LD50 (Dermal). > 2000 mg/kg rabbit

ETHANOLAMINE
LD50 (Oral). 1515 mg/kg rat
LD50 (Dermal). 2504 mg/kg rabbit
LC50 (Inhalation). > 1,3 mg/l 6 h rat

SECTION 12. Ecological information.

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment.

12.1. Toxicity.

TOLUENE 2,5-DIAMINE SULFATE
LC50 - for Fish.
0,36 mg/l
EC50 - for Crustacea.
0,5 mg/l
EC50 - for Algae / Aquatic Plants.
0,3 mg/l/72h

RESORCINOL
LC50 - for Fish.
31,6 mg/l/96h Leuciscus idus melanotus
EC50 - for Crustacea.
< 1 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants.
1,1 mg/l/72h Chlorella pyrenoidosa

LAURETH-3
LC50 - for Fish.
> 1 mg/l/96h Brachydanio rerio
EC50 - for Crustacea.
> 1 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants.
> 1 mg/l/72h Scenedesmus subspicatus

PROPYLENE GLYCOL
EC50 - for Crustacea.
18340 mg/l/48h Ceriodaphnia Dubia
LC10 for Fish.
40613 mg/l/96h Oncorhynchus mykiss

ETHANOLAMINE
LC50 - for Fish.
170 mg/l/96h Carassius auratus
EC50 - for Crustacea.
65 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants.
2,5 mg/l/72h Selenastrum capricornutum
Chronic NOEC for Fish.
1,2 mg/l Oryzias latipes
Chronic NOEC for Crustacea.
0,85 mg/l Daphnia magna

12.2. Persistence and degradability.

TOLUENE 2,5-DIAMINE SULFATE
NOT rapidly biodegradable.

RESORCINOL
Rapidly biodegradable.

LAURETH-3
Rapidly biodegradable.

PROPYLENE GLYCOL
Biodegradability: Information not available.

ETHANOLAMINE
Rapidly biodegradable.

12.3. Bioaccumulative potential.

Information not available.

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Avoid littering. Do not contaminate soil, sewers and waterways.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

SECTION 15. Regulatory information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.	9ii

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.

Point.	3	

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment.

A chemical safety assessment has been performed for the following contained substances.

TOLUENE 2,5-DIAMINE SULFATE

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Repr. 2	Reproductive toxicity, category 2	
Acute Tox. 3	Acute toxicity, category 3	
STOT SE 1	Specific target organ toxicity - single exposure, category 1	
Acute Tox. 4	Acute toxicity, category 4	
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2	
Skin Corr. 1A	Skin corrosion, category 1A	
Eye Dam. 1	Serious eye damage, category 1	
Eye Irrit. 2	Eye irritation, category 2	
Skin Irrit. 2	Skin irritation, category 2	
STOT SE 3	Specific target organ toxicity - single exposure, category 3	
Skin Sens. 1	Skin sensitization, category 1	
Skin Sens. 1A	Skin sensitization, category 1A	
STOT SE 2	Specific target organ toxicity - single exposure, category 2	
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1	

Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3	
H251	Self-heating: may catch fire.	
H361	Suspected of damaging fertility or the unborn child.	
H301	Toxic if swallowed.	
H370	Causes damage to organs.	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H332	Harmful if inhaled.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H314	Causes severe skin burns and eye damage.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H315	Causes skin irritation.	
H335	May cause respiratory irritation.	
H317	May cause an allergic skin reaction.	
H371	May cause damage to organs.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
EUH031	Contact with acids liberates toxic gas.	

Text of risk (R) phrases mentioned in section 2-3 of the sheet:		
R 7	MAY CAUSE FIRE.	
R20	HARMFUL BY INHALATION.	
R20/21	HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.	
R20/21/22	HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.	
R22	HARMFUL IF SWALLOWED.	
R25	TOXIC IF SWALLOWED.	
R31	CONTACT WITH ACIDS LIBERATES TOXIC GAS.	
R34	CAUSES BURNS.	
R36	IRRITATING TO EYES.	
R36/37/38	IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.	
R36/38	IRRITATING TO EYES AND SKIN.	
R41	RISK OF SERIOUS DAMAGE TO EYES.	
R43	MAY CAUSE SENSITISATION BY SKIN CONTACT.	
R50	VERY TOXIC TO AQUATIC ORGANISMS.	

R50/53	VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.	
R51/53	TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.	
Repr. Cat. 3	Reproductive toxicity, development, category 3.	
R63	POSSIBLE RISK OF HARM TO THE UNBORN CHILD.	

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY
1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
8. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
9. The Merck Index. - 10th Edition
10. Handling Chemical Safety
11. Niosh - Registry of Toxic Effects of Chemical Substances
12. INRS - Fiche Toxicologique (toxicological sheet)
13. Patty - Industrial Hygiene and Toxicology
14. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
15. ECHA website
Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified:
08 / 13 / 14.

Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier	
Code:	**Kevin M.**
Product name	**Color me all shades except 1.0 - 4.0**

1.2. Relevant identified uses of the substance or mixture and uses advised against	
Intended use	**Cream hair colour**

1.3. Details of the supplier of the safety data sheet	
Name	**PETTENON COSMETICS s.p.a.**
Full address	**Via del Palù nr. 7/D**
District and Country	**35018 San Martino di Lupari (PD)**
	ITALIA
	Tel.: +39(0)4999888
	Fax.: +39(0) 049998809
e-mail address of the competent person	
responsible for the Safety Data Sheet	**safetydoc@pettenon.it**
Product distribution by	**PETTENON COSMETICS s.p.a.**

1.4. Emergency telephone number	
For urgent inquiries refer to	**02 66101029 Centro Antiveleni di Milano**

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.

Hazard classification and indication:

Acute Tox. 4	H302
Skin Corr. 1A	H314

Eye Dam. 1	H318
Skin Sens. 1A	H317
Aquatic Chronic 2	H411

2.1.2. 67/548/EEC and 1999/45/EC Directives and following amendments and adjustments.

Danger Symbols:
C-N
R phrases:
20/21/22-31-34-43-51/53

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

Signal words:	Danger

Hazard statements:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.
EUH031	Contact with acids liberates toxic gas.
EUH208	Contains: 4-AMINO-M-CRESOL, 2,6-DIHYDROXYETHYLAMINOTOLUENE, RESORCINOL

	May produce an allergic reaction.

Precautionary statements:

P264	Wash . . . thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Contains:	ETHANOLAMINE
	LAURETH-3

	1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE
	p-AMINO-o-CRESOLO
	N,N-BIS(2-HYDROXYETHYL)-P-PHENYLENEDIAMINE SULFATE
	2,4-DIAMINOPHENOXYETHANOL HCL
	5-AMINO-6-CHLORO-o-CRESOL
	TOLUENE 2,5-DIAMINE SULFATE

2.3. Other hazards.

Information not available.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification.	Conc. %.	Classification 67/548/EEC.	Classification 1272/2008 (CLP).
ETHANOLAMINE			
CAS. 141-43-5	3 - 10	C R34, Xn R20/21/22	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1A H314, STOT SE 3 H335, Aquatic Chronic 3 H412
EC. 205-483-3			
INDEX. 603-030-00-8			
Reg. no. 01-2119486455-28-0001			
LAURETH-3			
CAS. 68439-50-9	5 - 6	Xi R41, N R50	Eye Dam. 1 H318, Aquatic Acute 1 H400 M=1
EC. -			
INDEX. -			
TOLUENE 2,5-DIAMINE SULFATE			
CAS. 615-50-9	0,04 - 4	T R25, Xn R20/21, Xi R43, N R50/53	Acute Tox. 3 H301, Acute Tox. 4 H312, Acute Tox. 4 H332, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410
EC. 210-431-8			
INDEX. 612-030-00-7			
Cocamidopropyl Betaine			
CAS. 61789-40-0	2 - 2,5	Xi R41	Eye Dam. 1 H318
EC. -			
INDEX. -			
2,4-DIAMINOPHENOXYETHANOL HCL			
CAS. 66422-95-5	1 - 2,5	Xn R22, Xi R36/37, Xi R43	Acute Tox. 4 H302, Eye Irrit. 2 H319, STOT SE 3 H335, Skin Sens. 1 H317

EC. -			
INDEX. -			
OCTYLDODECANOL			
CAS. 5333-42-6	2 - 2,5	Xi R36/37/38	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335
EC. 226-242-9			
INDEX. -			
5-AMINO-6-CHLORO-o-CRESOL			
CAS. 84540-50-1	1 - 2,5	Xn R22, Xi R36/37/38, Xi R43, N R50/53	Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410
EC. 283-144-9			
INDEX. -			
N,N-BIS(2-HYDROXYETHYL)-P-PHENYLENEDIAMINE SULFATE			
CAS. 54381-16-7	0,01 - 2,5	Xn R22, Xi R36/38, Xi R43	Acute Tox. 3 H301, Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317
EC. 259-134-5			
INDEX. -			
1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE			
CAS. 155601-30-2	1 - 2	Xi R41, Xi R43, N R51/53	Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Chronic 2 H411
EC. 429-300-3			
INDEX. -			
p-AMINO-o-CRESOLO			
CAS. 2835-95-2	0,01 - 2	Xi R36/37/38, Xi R43, N R50/53	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410
EC. 220-618-6			
INDEX. -			
OLEYL PHOSPHATE			
CAS. -	1 - 1,5	C R34	Skin Corr. 1A H314
EC. -			
INDEX. -			
2-METHYLRESORCINOL			
CAS. 608-25-3	1 - 1,5	T R25, Xi R36	Acute Tox. 3 H301, Eye Irrit. 2 H319
EC. 210-155-8			
INDEX. -			
1-NAPHTHOL			
CAS. 90-15-3	1 - 1,5	Xn R21/22, Xi R37/38, Xi R41	Acute Tox. 4 H302, Acute Tox. 4 H312, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335
EC. 201-969-4			
INDEX. 604-029-00-5			
p-AMINOPHENOL			
CAS. 123-30-8	0,007 - 1	Muta. Cat. 3 R68, Xn R20/22, N R50/53	Muta. 2 H341, Acute Tox. 4 H302, Acute Tox. 4 H332, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410
EC. 204-616-2			

INDEX. 612-128-00-X			
RESORCINOL			
CAS. 108-46-3	0,01 - 1	Xn R22, Xi R36/38, N R50	STOT SE 1 H370, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1
EC. 203-585-2			
INDEX. -			
Reg. no. 01-2119480136-40-			
PENTASODIUM PENTETATE			
CAS. 000140-01-2	0,8 - 0,9	Repr. Cat. 3 R63, Xn R20	Repr. 2 H361, Acute Tox. 4 H332
EC. -			
INDEX. -			
BASIC RED 51			
CAS. 77061-58-6	0,7 - 0,8	Xn R22, N R50/53	Acute Tox. 4 H302, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410
EC. 278-601-4			
INDEX. -			
2-AMINO-3-HYDROXYPYRIDINE			
CAS. 16867-03-1	0,1 - 0,35	T R25, Xi R36/37/38	Acute Tox. 3 H301, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335
EC. 240-886-8			
INDEX. -			
4-AMINO-M-CRESOL			
CAS. 2835-99-6	0,2 - 0,35	Xn R22, Xi R36/37/38, Xi R43, N R50/53	Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410
EC. 220-621-2			
INDEX. -			
SODIUM DITHIONITE			
CAS. 7775-14-6	0,15 - 0,2	R31, O R 7, Xn R22	Self-heat. 1 H251, Acute Tox. 4 H302, EUH031
EC. 231-890-0			
INDEX. 016-028-00-1			
SODIUM SULFITE			
CAS. 7757-83-7	0,15 - 0,2	R31	EUH031
EC. 231-821-4			
INDEX. -			

Note: Upper limit is not included into the range.

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.
T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment(N)

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.
INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT
Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.
UNSUITABLE EXTINGUISHING EQUIPMENT
Do not use jets of water.
Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION
In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.
Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Ensure that there is an adequate earthing system for the equipment and personnel. In order to avoid the risk of fires and explosions, never use compressed air when handling. Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Avoid leakage of the product into the environment. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Keep the product in clearly labelled containers. Keep containers well sealed. Store in a ventilated and dry place, far away from sources of ignition. Avoid violent blows. Avoid overheating. Avoid contact with water.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

United Kingdom	EH40/2005 Workplace exposure limits. Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations (as amended).
Éire	Code of Practice Chemical Agent Regulations 2011.
OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
TLV-ACGIH	ACGIH 2012

ETHANOLAMINE							
Threshold Limit Value.							
Type	Country	TWA/8h		STEL/15min			
		mg/m3	ppm	mg/m3	ppm		
TLV-ACGIH		2,5	1	7,6	3		

Predicted no-effect concentration - PNEC.		
Normal value for the terrestrial compartment	0,035	mg/kg
Normal value in fresh water	0,085	mg/l
Normal value in marine water	0,0085	mg/l
Normal value for fresh water sediment	0,425	mg/kg
Normal value for marine water sediment	0,0425	mg/kg
Normal value of STP microorganisms	100	mg/l

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers.				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.			VND	3.75 mg/kg				
Inhalation.			2 mg/m3	2 mg/m3			3.3 mg/m3	VND
Skin.			VND	0.24 mg/kg			VND	1 mg/kg

TOLUENE 2,5-DIAMINE SULFATE		
Predicted no-effect concentration - PNEC.		
Normal value in fresh water	0,0126	mg/L
Normal value in marine water	0,00126	mg/L
Normal value for fresh water sediment	0,0112	mg/Kg
Normal value for marine water sediment	0,00112	mg/Kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers.				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation.			VND	0,49 mg/m3				
Skin.			VND	0,10 mg/Kg/d				

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

If the product may or must come into contact or react with acids, suitable technical and/or organisational measures should be taken to prevent the development of toxic and/or inflammable gases.

HAND PROTECTION
Protect hands with category III work gloves (see standard EN 374).
The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION
Wear category III professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION
Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

RESPIRATORY PROTECTION
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.
If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	cream
Colour	white to beige
Odour	characteristic
Odour threshold.	Not available.
pH.	9.5 - 11.4
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	Not available.

Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	0.960 - 0.970
Solubility	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	30000 - 40000 cps
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information.

Information not available.

SECTION 10. Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials.

Information not available.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.
Acute effects: ingestion of this product is harmful. Even small amounts of product may cause serious health problems (stomach pain, nausea, sickness, diarrhoea).
This product is corrosive and causes serious burns and vesicles on the skin, which can arise even after exposure. Burns are very stinging and painful.
Upon contact with eyes, it may cause serious harm, such as cornea opacity, iris lesions, irreversible eye coloration. Possible vapours are caustic for the respiratory system and may cause pulmonary edema, whose symptoms sometimes arise only after some hours.
Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness.
If swallowed, it may cause mouth, throat and oesophagus burns, sickness, diarrhoea, edema, larynx swelling and, consequently, asphyxia. Perforation of the gastro-intestinal tract is also possible.
This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.
Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation.
Vapour inhalation may moderately irritate the upper respiratory trait. Contact with skin may cause slight irritation.
Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.
Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include: erythemas, edemas, papules, vesicles, pustules, scurvies, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Erythemas, edemas and exudative phenomena prevail during the acute phase. Scurfy skin, dryness, ulcerations and skin thickening prevail during the chronic phase.

1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE
LD50 (Oral). > 2000 mg/kg Rat

TOLUENE 2,5-DIAMINE SULFATE
LD50 (Oral). 98 mg/kg Rat
LD50 (Dermal). 6300 mg/Kg estrapolato
LC50 (Inhalation). 1,8 mg/l/4 h estrapolato

RESORCINOL
LD50 (Oral). 510 mg/Kg rat
LD50 (Dermal). 2830 mg/Kg rat

p-AMINOPHENOL
LD50 (Oral). 370 mg/Kg rat
LD50 (Dermal). > 5000 mg/Kg rat
LC50 (Inhalation). > 3,4 mg/l rat

p-AMINO-o-CRESOLO
LD50 (Oral). 3600 mg/kg Rat

N,N-BIS(2-HYDROXYETHYL)-P-PHENYLENEDIAMINE SULFATE
LD50 (Oral). 264 mg/kg Rat

1-NAPHTHOL
LD50 (Oral). 2300 mg/kg Rat

2-AMINO-3-HYDROXYPYRIDINE
LD50 (Oral). 50 mg/kg Rat

2-METHYLRESORCINOL
LD50 (Oral). 200 mg/kg Rat

2,4-DIAMINOPHENOXYETHANOL HCL
LD50 (Oral). 1113 mg/kg rat

4-AMINO-M-CRESOL
LD50 (Oral). 870 mg/kg Rat

LAURETH-3
LD50 (Oral). > 5000 mg/kg Rat

PROPYLENE GLYCOL
LD50 (Oral). > 20000 mg/kg rat
LD50 (Dermal). > 2000 mg/kg rabbit

ETHANOLAMINE
LD50 (Oral). 1515 mg/kg rat
LD50 (Dermal). 2504 mg/kg rabbit
LC50 (Inhalation). > 1,3 mg/l 6 h rat

SECTION 12. Ecological information.

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment.

12.1. Toxicity.

1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE
LC50 - for Fish.
86,2 mg/l/96h Brachidanio rerio
EC50 - for Crustacea.
11,12 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants.
5,53 mg/l/72h Selenastrum capricornutum

TOLUENE 2,5-DIAMINE SULFATE
LC50 - for Fish.
0,36 mg/l
EC50 - for Crustacea.
0,5 mg/l
EC50 - for Algae / Aquatic Plants.
0,3 mg/l/72h

RESORCINOL
LC50 - for Fish.
31,6 mg/l/96h Leuciscus idus melanotus
EC50 - for Crustacea.
< 1 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants.
1,1 mg/l/72h Chlorella pyrenoidosa

LAURETH-3
LC50 - for Fish.
> 1 mg/l/96h Brachydanio rerio
EC50 - for Crustacea.
> 1 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants.
> 1 mg/l/72h Scenedesmus subspicatus

PROPYLENE GLYCOL
EC50 - for Crustacea.
18340 mg/l/48h Ceriodaphnia Dubia
LC10 for Fish.
40613 mg/l/96h Oncorhynchus mykiss

ETHANOLAMINE
LC50 - for Fish.
170 mg/l/96h Carassius auratus
EC50 - for Crustacea.
65 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants.
2,5 mg/l/72h Selenastrum capricornutum
Chronic NOEC for Fish.
1,2 mg/l Oryzias latipes
Chronic NOEC for Crustacea.
0,85 mg/l Daphnia magna

12.2. Persistence and degradability.

1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE
NOT rapidly biodegradable.

TOLUENE 2,5-DIAMINE SULFATE
NOT rapidly biodegradable.

RESORCINOL
Rapidly biodegradable.

p-AMINOPHENOL
Biodegradability: Information not available.

p-AMINO-o-CRESOLO
NOT rapidly biodegradable.

N,N-BIS(2-HYDROXYETHYL)-P-PHENYLENEDIAMINE SULFATE
NOT rapidly biodegradable.

4-AMINO-M-CRESOL
NOT rapidly biodegradable.

LAURETH-3
Rapidly biodegradable.

PROPYLENE GLYCOL
Biodegradability: Information not available.

ETHANOLAMINE
Rapidly biodegradable.

12.3. Bioaccumulative potential.

Information not available.

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Avoid littering. Do not contaminate soil, sewers and waterways.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

SECTION 15. Regulatory information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category.	9ii

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.

Point.	3	

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment.

A chemical safety assessment has been performed for the following contained substances.

TOLUENE 2,5-DIAMINE SULFATE

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Muta. 2	Germ cell mutagenicity, category 2	
Repr. 2	Reproductive toxicity, category 2	
Acute Tox. 3	Acute toxicity, category 3	
STOT SE 1	Specific target organ toxicity - single exposure, category 1	
Acute Tox. 4	Acute toxicity, category 4	
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2	
Skin Corr. 1A	Skin corrosion, category 1A	
Eye Dam. 1	Serious eye damage, category 1	
Eye Irrit. 2	Eye irritation, category 2	
Skin Irrit. 2	Skin irritation, category 2	
STOT SE 3	Specific target organ toxicity - single exposure, category 3	
Skin Sens. 1	Skin sensitization, category 1	
Skin Sens. 1A	Skin sensitization, category 1A	
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3	

H251	Self-heating: may catch fire.	
H341	Suspected of causing genetic defects.	
H361	Suspected of damaging fertility or the unborn child.	
H301	Toxic if swallowed.	
H370	Causes damage to organs.	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H332	Harmful if inhaled.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H314	Causes severe skin burns and eye damage.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H315	Causes skin irritation.	
H335	May cause respiratory irritation.	
H317	May cause an allergic skin reaction.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
EUH031	Contact with acids liberates toxic gas.	

Text of risk (R) phrases mentioned in section 2-3 of the sheet:		
R 7	MAY CAUSE FIRE.	
R20	HARMFUL BY INHALATION.	
R20/21	HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.	
R20/21/22	HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.	
R20/22	HARMFUL BY INHALATION AND IF SWALLOWED.	
R21/22	HARMFUL IN CONTACT WITH SKIN AND IF SWALLOWED.	
R22	HARMFUL IF SWALLOWED.	
R25	TOXIC IF SWALLOWED.	
R31	CONTACT WITH ACIDS LIBERATES TOXIC GAS.	
R34	CAUSES BURNS.	
R36	IRRITATING TO EYES.	
R36/37	IRRITATING TO EYES AND RESPIRATORY SYSTEM.	
R36/37/38	IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.	
R36/38	IRRITATING TO EYES AND SKIN.	
R37/38	IRRITATING TO RESPIRATORY SYSTEM AND SKIN.	
R41	RISK OF SERIOUS DAMAGE TO EYES.	

R43	MAY CAUSE SENSITISATION BY SKIN CONTACT.	
R50	VERY TOXIC TO AQUATIC ORGANISMS.	
R50/53	VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.	
R51/53	TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.	
Repr. Cat. 3	Reproductive toxicity, development, category 3.	
R63	POSSIBLE RISK OF HARM TO THE UNBORN CHILD.	
Muta. Cat. 3	Mutagenicity, category 3.	
R68	POSSIBLE RISK OF IRREVERSIBLE EFFECTS.	

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY
1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
8. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
9. The Merck Index. - 10th Edition
10. Handling Chemical Safety
11. Niosh - Registry of Toxic Effects of Chemical Substances
12. INRS - Fiche Toxicologique (toxicological sheet)
13. Patty - Industrial Hygiene and Toxicology
14. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
15. ECHA website
Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:
The following sections were modified:
08 / 14.

Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code:	**AAPEPRT40042**
Product name	**AAKEVIN11581 COLOR.ME POWDER LIGHTNER UP TO 7 LEVELS OF LIFT 500 ml**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use	**cosmetic use**

1.3. Details of the supplier of the safety data sheet

Name	**PETTENON COSMETICS s.p.a.**
Full address	**Via del Palù nr. 7/D**
District and Country	**35018 San Martino di Lupari (PD) ITALIA**
	+39(0)4999888
	+39(0) 049998809
e-mail address of the competent person responsible for the Safety Data Sheet	**safetydoc@pettenon.it**
Product distribution by	**PETTENON COSMETICS s.p.a.**

1.4. Emergency telephone number

For urgent inquiries refer to	**+39 3492224556**

2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.

Symbols:

GHS03

Oxidizing solids, Category 3	H272: May intensify fire; oxidizer.

GHS08

Respiratory sensitization, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GHS07

Acute toxicity, Category 4	H302: Harmful if swallowed
STOT SE 3	H335: May cause respiratory irritation.
Skin irritation, Category 2	H315: Causes skin irritation
Eye irritation, Category 2	H319: Causes serious eye irritation

Eye irritation, Category 2 H319: Causes serious eye irritation.
Skin sensitization, Category 1 H317: May cause an allergic skin reaction.

2.1.2. Directive 67/548/EEC and following amendments and adjustments.
Symbol

Xn Harmful

O Oxidizing

R phrases R8 Contact with combustible material may cause fire
R22 Harmful if swallowed
R36/37/38 Irritating to eyes, respiratory system and skin.
R42/43 May cause sensitization by inhalation and skin contact.

2.2. Label elements.
Signal word: Danger
Symbols:

GHS07

GHS03

GHS08

Hazard statements
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Precautionary statements
Prevention:
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P220 Keep/Store away from clothing/…/combustible materials.
P261 Avoid breathing dust / fume / gas / vapor / spray
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P232 Protect from moisture
P262 Do not get in eyes, on skin, or on clothing.
Response
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
P363 Wash contaminated clothing before reuse.
Disposal:
P501 Dispose of contents/container to an approved waste disposal plant
Result of PBT and vPvB evaluation: information not available

3. Composition/information on ingredients.

Contains:

Identification.	Conc. %.	Classification 67/548/EEC.	Classification 1272/2008 (CLP).
Dipotassium peroxodisulphate			
CAS. 7727-21-1	25 - 50	O R 8, Xn R22, Xn R42/43, Xi R36/37/38	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317
EC. 231-781-8			
INDEX. 016-061-00-1			
Reg. no. 01-2119495676-19-0000			
DISODIUM METASILICATE			
CAS. 6834-92-0	10 - 25	C R34, Xi R37	Met. Corr. 1 H290, Skin Corr. 1B H314, STOT SE 3 H335
EC. 229-912-9			
INDEX. 014-010-00-8			
Reg. no. 01-2119449811-37-xxxx			
AMMONIUM PEROXYDISULPHATE			
CAS. 7727-54-0	10 - 25	O R 8, Xn R22, Xn R42/43, Xi R36/37/38	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317
EC. 231-786-5			
INDEX. 016-060-00-6			
Reg. no. 01-2119495973-19-0000			
SODIUM PERSULFATE			
CAS. 7775-27-1	5 -10	O R 8, Xn R22, Xn R42/43, Xi R36/37/38	Ox. Sol. 1 H271, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317
EC. 231-892-1			
INDEX. -			

Note: Upper limit is not included into the range.

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.
T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment(N)

4. First aid measures.

4.1. Description of first aid measures.

General advice : Take off all contaminated clothing immediately. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. If you feel unwell, seek medical advice (show the label where possible).
Inhalation : Remove to fresh air. Call a physician immediately.
Skin contact : Wash off immediately with soap and plenty of water. Obtain medical attention.
Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion : Clean mouth with water and drink afterwards plenty of water.
If a person vomits when lying on his back, place him in the recovery position. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed.

Follow doctor's orders.

5. Firefighting measures.

5.1. Extinguishing media.

Suitable extinguishing media : Water, water spray, CO_2, foam. Water or water spray has to be used until complete extinguishing
In case of big fires, wear breathing apparatus and complete protective clothing.
Unsuitable extinguishing media : High volume water jet

5.2. Special hazards arising from the substance or mixture.

Specific hazards : Cool closed containers exposed to fire with water spray. Fight any surrounding fire with suitable fire-extinguishing agents.
Flood small amounts of decomposing products with water (add foaming agent to the water for better penetration). Remove any unaffected product. Control smoke with water spray

5.3. Advice for firefighters.

Wear self-contained breathing apparatus and protective suit.
Further information : Do not allow run-off from fire fighting to enter drains or water courses.

6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Avoid contact with skin, eyes and clothing. Avoid breathing dust. Wear personal protective equipment. Ensure adequate ventilation, especially in confined areas.

6.2. Environmental precautions.

Should not be released into the environment. Do not contaminate water. Do not allow material to contaminate ground water system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up.
Remove mechanically and with care (e.g. with clean polyethylene plastic shovel). Avoid dust formation. Wash small residues with plenty of water
6.4. Reference to other sections.
Never add other substances or waste material to product residue. Move product residue to a safe place and dispose of properly.

7. Handling and storage.

7.1. Precautions for safe handling.
Advice on safe handling : For personal protection see section 8. Product is hygroscopic
Never pour product residue back into storage container. Risk of decomposition.
Avoid dust formation during the handling of the product.
Provide accurate dust captation and adequate ventilation/aspiration in working areas. Avoid the formation of electro-static charges.
7.2. Conditions for safe storage, including any incompatibilities.
Keep away from combustible materials. Avoid dust formation
Electrical installations / working materials must comply with the technological safety standards. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. No smoking. Avoid impurities (e.g. rust, dust, ash), risk of decomposition. Protect from moisture. Store apart from other dangerous and incompatible substances.
store in cool (below 30 °C) and dry areas. Avoid co ntamination and avoid the presence of reducing agents like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the container may break. AVOID humid organic material as paper towel, wood, clothes, etc. which could induce spontaneous combustion. Protect from heat and sunlight; store in places far from rain and humidity; never store outdoors. Store separately from other dangerous and incompatible substances
7.3. Specific end use(s).
Information not available.

8. Exposure controls/personal protection.

8.1. Control parameters.
Contains no substances with occupational exposure limit values.
Other information on limit values: see chapter 16
Exhaust ventilation is required where the products are stored and/or handled. Keep far from food, drink and animal feeding stuff.
8.2. Exposure controls.
Provide adequate ventilation.
Personal protective equipment
Respiratory protection: not requested for normal use; you may wear a paper mask for powders. Avoid inhalation. When containers are open, protect the face. For prolonged exposures, wear a mask for harmful powders.
Skin/hands protection: wear protective gloves.
Eye protection: not requested. Avoid contact

9. Physical and chemical properties.

Appearance	Blue powder
Odour	Characteristic
Bulk density	0,70-0,88 g/ml
Solubility in water	Partially soluble
Melting point	Not known
Boiling point	Not known
Decomposition temperature	> 65°C
pH (aqueous dispersion 1g/100ml)	9,6-10,6
% equivalent active oxygen	3,45 - 4,05
Allergens	

10. Stability and reactivity.

10.1. Reactivity: The product does not undergo decomposition if handled in accordance with regulations.
10.2. Chemical stability: The product is stable in security conditions, up to 65 °C; above this temperature it slowly starts to decompose, giving rise to small quantities of oxygen and ammonia. At approximately 180 °C decomposition becomes fast and auto-accelerating, and generates oxygen which can give rise to relevant fires.
Humidity is a very important factor, because the product moisture - when not kept under control and not stable- can considerably lower the decomposition temperature.
10.3. Possibility of hazardous reactions. Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.
10.4. Conditions to avoid: heat, moisture, reducing agents such as waving lotions. Avoid impact. Do not

subject to friction. May build static electric charge.
10.5. Incompatible materials: acids, alkali, halides, metals, burning and combustible materials. Do not use metallic bowls or stirrers.
10.6. Hazardous decomposition products: corrosive gases/vapours; toxic gases/vapours of sulfur (SO_x), ammonia, nitrogen oxides (NO_x) and ozone.

11. Toxicological information.

11.1. Information on toxicological effects.
This product contains ingredients that may present health hazards. These ingredients are irritating to skin and mucous membranes of the eyes and respiratory system They may trigger asthmatic attacks in sensitive individuals. They may induce skin sensitization and respiratory hypersensitivity.
Effects of chronic exposure: for purpose of chronic exposure under the OSHA Hazard Communication Standard, this is an untested mixture.
Target organs: skin, respiratory system.
Route of entry: inhalation, ingestion and skin.
General medical conditions, aggravated by exposure, will be related to the primary toxic (pharmacological) effect of this material; pre-existing dermatitis would be likely to get worse by a skin irritant; bronchitis is aggravated by irritant gases of particulates in the air.

12. Ecological information.

Always follow good hygienic work practices. Avoid product dispersion in the environment.
German classification of risk for waters: WGK 1 - slightly dangerous.

13. Disposal considerations.

13.1. Waste treatment methods.
Do not dispose of the product together with domestic waste. Do not let it enter the drainage system.
Disposal should be in accordance with all applicable local and state regulations.

14. Transport information.

UN 1479
Road/railway transport (ADR/RID)

Class 5.1
Packaging group III
Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Ammonium Persulfate)

Marine transport (IMO/IMDG)
Class 5.1
Packaging group III
Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Ammonium Persulfate)
No marine pollutant

Air transport (ICAO/IATA)
Class 5.1
Packaging group III
Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Ammonium Persulfate)

15. Regulatory information.

Classification Regulation (EC) No. 1272/2008
Symbols:



Signal word: Danger
Hazard statements:

H272	May intensify fire; oxidiser.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H302	Harmful if swallowed.
H335	May cause respiratory irritation.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.

H317 May cause an allergic skin reaction.

Precautionary statements
Prevention:
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P220 Keep/Store away from clothing/…/combustible materials.
P261 Avoid breathing dust / fume / gas / vapor / spray
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P232 Protect from moisture
P262 Do not get in eyes, on skin, or on clothing.
Response
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
P363 Wash contaminated clothing before reuse.
Disposal:
P501 Dispose of contents/container to an approved waste disposal plant

Classification according to CEE directions:

O Oxidizing

Xn Harmful

R phrases R8 Contact with combustible material may cause fire
R22 Harmful if swallowed
R36/37/38 Irritating to eyes, respiratory system and skin.
R42/43 May cause sensitization by inhalation and skin contact.
S phrases S2 Keep out of reach of children
S8 Keep container dry
S22 Do not breathe dust.
S24 Avoid contact with the skin
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S46 If swallowed seek medical advice immediately and show this container or label.

16. Other information.

This information is based on our present state of knowledge and is intended solely to describe our productions in terms of safety requirements. It should not be construed in any way, as guaranteeing specific properties.
This safety data sheet cancels and replaces any previous edition.

Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code:	**AAPEPRT41163**
Product name	**AAKEVIN11580 COLOR. ME POWDER LIGHTNER 500 gr**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use	**cosmetic use**

1.3. Details of the supplier of the safety data sheet

Name	**PETTENON COSMETICS s.p.a.**
Full address	**Via del Palù nr. 7/D**
District and Country	**35018 San Martino di Lupari (PD) ITALIA**
	+39(0)4999888
	+39(0) 049998809
e-mail address of the competent person responsible for the Safety Data Sheet	**safetydoc@pettenon.it**
Product distribution by	**PETTENON COSMETICS s.p.a.**

1.4. Emergency telephone number

For urgent inquiries refer to	**+39 3492224556**

2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.

Symbols:

GHS03

Oxidizing solids, Category 3	H272: May intensify fire; oxidizer.

GHS08

Respiratory sensitization, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GHS07

Acute toxicity, Category 4	H302: Harmful if swallowed
STOT SE 3	H335: May cause respiratory irritation.
Skin irritation, Category 2	H315: Causes skin irritation
Eye irritation, Category 2	H319: Causes serious eye irritation

Eye irritation, Category 2 H319: Causes serious eye irritation.
Skin sensitization, Category 1 H317: May cause an allergic skin reaction.

2.1.2. Directive 67/548/EEC and following amendments and adjustments.
Symbol

Xn Harmful

O Oxidizing

R phrases R8 Contact with combustible material may cause fire
R22 Harmful if swallowed
R36/37/38 Irritating to eyes, respiratory system and skin.
R42/43 May cause sensitization by inhalation and skin contact.

2.2. Label elements.
Signal word: Danger
Symbols:

GHS07

GHS03

GHS08

Hazard statements
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Precautionary statements
Prevention:
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P220 Keep/Store away from clothing/…/combustible materials.
P261 Avoid breathing dust / fume / gas / vapor / spray
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P232 Protect from moisture
P262 Do not get in eyes, on skin, or on clothing.
Response
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
P363 Wash contaminated clothing before reuse.
Disposal:
P501 Dispose of contents/container to an approved waste disposal plant
Result of PBT and vPvB evaluation: information not available

3. Composition/information on ingredients.

Dangerous substances for health and as per 67/548/CEE regulation and 1272/2008 (CLP) regulation and subsequent revisions or limited exposition substances:
- Potassium Persulfate CAS 7727-21- 1
-
- Sodium Metasilicate CAS 6834-92-0

4. First aid measures.

4.1. Description of first aid measures.
General advice : Take off all contaminated clothing immediately. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. If you feel unwell, seek medical advice (show the label where possible).
Inhalation : Remove to fresh air. Call a physician immediately.
Skin contact : Wash off immediately with soap and plenty of water. Obtain medical attention.
Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion : Clean mouth with water and drink afterwards plenty of water.
If a person vomits when lying on his back, place him in the recovery position. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.
4.2. Most important symptoms and effects, both acute and delayed.
For symptoms and effects caused by the contained substances see chap. 11.
4.3. Indication of any immediate medical attention and special treatment needed.
Follow doctor's orders.

5. Firefighting measures.

5.1. Extinguishing media.
Suitable extinguishing media : Water, water spray, CO_2, foam. Water or water spray has to be used until complete extinguishing
In case of big fires, wear breathing apparatus and complete protective clothing.
Unsuitable extinguishing media : High volume water jet
5.2. Special hazards arising from the substance or mixture.
Specific hazards : Cool closed containers exposed to fire with water spray. Fight any surrounding fire with suitable fire-extinguishing agents.
Flood small amounts of decomposing products with water (add foaming agent to the water for better penetration). Remove any unaffected product. Control smoke with water spray
5.3. Advice for firefighters.
Wear self-contained breathing apparatus and protective suit.
Further information : Do not allow run-off from fire fighting to enter drains or water courses.

6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.
Avoid contact with skin, eyes and clothing. Avoid breathing dust. Wear personal protective equipment. Ensure adequate ventilation, especially in confined areas.
6.2. Environmental precautions.
Should not be released into the environment. Do not contaminate water. Do not allow material to contaminate ground water system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up.
Remove mechanically and with care (e.g. with clean polyethylene plastic shovel). Avoid dust formation. Wash small residues with plenty of water
6.4. Reference to other sections.
Never add other substances or waste material to product residue. Move product residue to a safe place and dispose of properly.

7. Handling and storage.

7.1. Precautions for safe handling.
Advice on safe handling : For personal protection see section 8. Product is hygroscopic
Never pour product residue back into storage container. Risk of decomposition.
Avoid dust formation during the handling of the product.
Provide accurate dust captation and adequate ventilation/aspiration in working areas. Avoid the formation of electro-static charges.
7.2. Conditions for safe storage, including any incompatibilities.
Keep away from combustible materials. Avoid dust formation
Electrical installations / working materials must comply with the technological safety standards. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. No smoking. Avoid impurities (e.g. rust, dust, ash), risk of decomposition. Protect from moisture. Store apart from other dangerous and incompatible substances.
store in cool (below 30 °C) and dry areas. Avoid co ntamination and avoid the presence of reducing agents like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the

like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the container may break. AVOID humid organic material as paper towel, wood, clothes, etc. which could induce spontaneous combustion. Protect from heat and sunlight; store in places far from rain and humidity; never store outdoors. Store separately from other dangerous and incompatible substances

7.3. Specific end use(s).

Information not available.

8. Exposure controls/personal protection.

8.1. Control parameters.

Contains no substances with occupational exposure limit values.
Other information on limit values: see chapter 16
Exhaust ventilation is required where the products are stored and/or handled. Keep far from food, drink and animal feeding stuff.

8.2. Exposure controls.

Provide adequate ventilation.

Personal protective equipment

Respiratory protection: not requested for normal use; you may wear a paper mask for powders. Avoid inhalation. When containers are open, protect the face. For prolonged exposures, wear a mask for harmful powders.
Skin/hands protection: wear protective gloves.
Eye protection: not requested. Avoid contact

9. Physical and chemical properties.

Appearance	Blue powder
Odour	Wooden fruit
Bulk density	0,70-0,88 g/ml
Solubility in water	Partially soluble
Melting point	Not known
Boiling point	Not known
Decomposition temperature	> 65°C
pH (aqueous dispersion 1g/100ml)	10,8-11,8
% equivalent active oxygen	2,15-2,75
Allergens	Benzyl Salicylate / Hexyl Cinnamal / Limonene / Linalool

10. Stability and reactivity.

10.1. Reactivity: The product does not undergo decomposition if handled in accordance with regulations.
10.2. Chemical stability: The product is stable in security conditions, up to 65 °C; above this temperature it slowly starts to decompose, giving rise to small quantities of oxygen and ammonia. At approximately 180 °C decomposition becomes fast and auto-accelerating, and generates oxygen which can give rise to relevant fires.
Humidity is a very important factor, because the product moisture - when not kept under control and not stable- can considerably lower the decomposition temperature.
10.3. Possibility of hazardous reactions. Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.
10.4. Conditions to avoid: heat, moisture, reducing agents such as waving lotions. Avoid impact. Do not subject to friction. May build static electric charge.
10.5. Incompatible materials: acids, alkali, halides, metals, burning and combustible materials. Do not use metallic bowls or stirrers.
10.6. Hazardous decomposition products: corrosive gases/vapours; toxic gases/vapours of sulfur (SO_x), ammonia, nitrogen oxides (NO_x) and ozone.

11. Toxicological information.

11.1. Information on toxicological effects.

This product contains ingredients that may present health hazards. These ingredients are irritating to skin and mucous membranes of the eyes and respiratory system They may trigger asthmatic attacks in sensitive individuals. They may induce skin sensitization and respiratory hypersensitivity.
Effects of chronic exposure: for purpose of chronic exposure under the OSHA Hazard Communication Standard, this is an untested mixture.
Target organs: skin, respiratory system.
Route of entry: inhalation, ingestion and skin.
General medical conditions, aggravated by exposure, will be related to the primary toxic (pharmacological) effect of this material; pre-existing dermatitis would be likely to get worse by a skin irritant; bronchitis is aggravated by irritant gases of particulates in the air.

12. Ecological information.

Always follow good hygienic work practices. Avoid product dispersion in the environment.
German classification of risk for waters: WGK 1 - slightly dangerous.

13. Disposal considerations.

13.1. Waste treatment methods.

Do not dispose of the product together with domestic waste. Do not let it enter the drainage system. Disposal should be in accordance with all applicable local and state regulations.

14. Transport information.

UN 1479
Road/railway transport (ADR/RID)

Class 5.1
Packaging group III
Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Sodium Metasilicate)

Marine transport (IMO/IMDG)
Class 5.1
Packaging group III
Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Sodium Metasilicate)
No marine pollutant

Air transport (ICAO/IATA)
Class 5.1
Packaging group III
Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Sodium Metasilicate)

15. Regulatory information.

Classification Regulation (EC) No. 1272/2008

Symbols:



Signal word: Danger
Hazard statements:

H272	May intensify fire; oxidiser.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H302	Harmful if swallowed.
H335	May cause respiratory irritation.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.

Precautionary statements
Prevention:
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P220 Keep/Store away from clothing/…/combustible materials.
P261 Avoid breathing dust / fume / gas / vapor / spray
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P232 Protect from moisture
P262 Do not get in eyes, on skin, or on clothing.
Response
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
P363 Wash contaminated clothing before reuse.
Disposal:
P501 Dispose of contents/container to an approved waste disposal plant

Classification according to CEE directions:

O Oxidizing

Xn Harmful

R phrases R8 Contact with combustible material may cause fire
R22 Harmful if swallowed
R36/37/38 Irritating to eyes, respiratory system and skin.
R42/43 May cause sensitization by inhalation and skin contact.
S phrases S2 Keep out of reach of children
S8 Keep container dry
S22 Do not breathe dust.
S24 Avoid contact with the skin
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S46 If swallowed seek medical advice immediately and show this container or label.

16. Other information.

This information is based on our present state of knowledge and is intended solely to describe our productions in terms of safety requirements. It should not be construed in any way, as guaranteeing specific properties.
This safety data sheet cancels and replaces any previous edition.

Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code:	**AAKEVIN11582**
Product name	**AAKEVIN11582 COLOR. ME CRAM LIGHTNER 250 ML**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use	**cosmetic use**

1.3. Details of the supplier of the safety data sheet

Name	**PETTENON COSMETICS s.p.a.**
Full address	**Via del Palù nr. 7/D**
District and Country	**35018 San Martino di Lupari (PD) ITALIA**
	+39(0)4999888
	+39(0) 049998809
e-mail address of the competent person responsible for the Safety Data Sheet	**safetydoc@pettenon.it**
Product distribution by	**PETTENON COSMETICS s.p.a.**

1.4. Emergency telephone number

For urgent inquiries refer to	**+39 3492224556**

2. HAZARD IDENTIFICATION

2.1 Classification of hazardousness

Xn HARMFUL

O OXIDIZING

2.2 Specific risks for man and environment

R7 May cause fire

R22 Harmful if swallowed

R36/37/38 Irritating to eyes, respiratory system and skin

R42/43 May cause sensitization by inhalation and skin contact

2.3 Main chemical-physical dangers

With moisture can take place an exothermic reaction an possible spontaneous combustion.

2.4 Negative effects

For Healthy: Irritating to eyes, skin and mucous.

For Environment: Do not put into the drainage system.

Connected Symptoms to correct/incorrect use: see section 4

Other Danger: in sensible people can cause an allergic reaction.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Generic Composition

The bleaching cream ingredients are: wax, mineral oil, mineral persulfates, silicates, metasilicates, soaps, gums and titanium dioxide.

3.2 Composition dangerous compounds

The compound is classified dangerous like to 2.1 section.

3.2a Dangerous ingredients to human Healthy and Safety

Chemical name	EINECS N°o ELINCS N°	%	CAS N°	Symbols	R Phrases
PotassiumPersulfate	231-781-8	About 25	7727-21-1	**Xn** HARMFUL **O** OXIDIZING	R8, R22, R42/43
Sodium Metasilicate	229-912-9	5-10	6834-92-0	**C** CORROSIVE	R34, R37
Ammonium					

Ammonium Persulfate	231-786-5	5-10	7727-54-0	**Xn** HARMFUL **O** OXIDIZING	R8, R22,R36/37/38
Sodium Persulfate	231-892-1	1-5	7775-27-1	**Xn** HARMFUL **O** OXIDIZING	R8, R22, R36/37/38
Sodium Lauryl Sulfate	205-788-1	< 1	151-21-3	**Xn** HARMFUL	R20/22, R37/38,R41
Tetrasodium EDTA	200-573-9	< 1	64-02-8	**Xi** IRRITANTE	R36, R52/53

3.3 Dangerous ingredients for the compounds do not classified dangerous for 1999/45/CE: N.A.
3.4 Classification by art 4 and 6 as per directive 67/548/CE
The integral text of R phrases is in the 16 section.

4. FIRST AID MEASURES

4.1 Inhalation: Immediately remove to fresh air. If asthma develops, get medical attention.
4.2 Skin contact: rinse immediately with water. Wash the contaminated clothes before using them again. Should allergic reactions develop, consult a dermatologist.
4.3 Eye contact: flush with plenty of water immediately. Remove contact lenses if used. Immediately get medical attention.
4.4 Ingestion: rinse the mouth without swallowing. Immediately get medical attention.

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media: water, water spray, CO_2, foam. Water or water spray has to be used until complete extinguishing.
5.2 Not Suitable extinguishing media:
None. Some extinguishing media (chemical powders, sand, earth, ect.) can be not much active before the product content oxidizing that stoke the combustion.
5.3 Specific dangerous and hazardous decomposition products:
In case of big fires the product can make toxic and corrosive gases/vapours of ammonia, sulphur dioxide (SO_2) and sulphur trioxide (SO_3).
5.4 Fire-fighting Equipment
In case of big fires, wear breathing apparatus and complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal protection: wear protective clothing.
6.2 Environmental precautions: local exhausting is needed to avoid production of irritating dust concentrations. Avoid penetration of the product into the soil/earth. If the product reaches watercourses and/or the drainage system, advise the proper authorities.
6.3 Measures of cleaning up spillage: maintain good manufacturer hygiene. Avoid contact with skin, eyes and clothes. In case of contact, wash immediately with water. Clean any spillage and pick up mechanically; dispose of in accordance with local and national regulations.

7. HANDLING AND STORAGE

7.1 Handling:
Avoid localized friction and overheating into product. Provide accurate dust captation and adequate ventilation/aspiration in working areas. Avoid the formation of electro-static charges.
7.2 Storage:
Store in a cool (below 30°C) and dry areas. Avoid contamination and avoid the presence of reducing agents like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the container may break. AVOID humid organic materials such as paper towel, wood, clothes, etc…, which could induce spontaneous combustion. **Protect from heat and sunlight; store in places far from rain and humidity; never store outdoor.**
7.3 Specific use
Only professional use

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposition Limit Value
Potassium Persulfate TLV-TWA 0,10 mg/m_3

Sodium Persulfate TLV-TWA (UK) 1 mg/m3
Sodium metasilicate TLV-TWA 10mg/m3

8.2 Exposition Monitoring
8.2.1Professional Exposition Monitoring
Precautionary measures: exhaust ventilation is required where the products are stored and/or handled. Keep far from food, drink and animal feeding stuff.
a) Respiratory protection: not requested for normal use; you may wear a paper mask for powders. Avoid inhalation. When containers are open, protect the face. For prolonged exposures, wear a mask for harmful powders.
b) Hands protection: wear protective gloves.
c) Eye protection: Protective goggles. Avoid contact.
d) Skin protection
8.2.2 Checking of environmental exposition
Not requested. See 6.2 section.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information
Appearance granulous cream
Colour to white to yellowish
Odour Characteristic
9.2 Important information for Healthy, Safety and Environmental
pH (aqueous dispersion 1g/100ml) 10,5 – 11,65
Boiling point n.a.
Inflammability point > 65°C
Inflammability > 65°C
Explosive property n.d.
Oxidizing property yes
Vapour tension n.a.
Bulk density 1,34 ± 0,1 g/ml
Solubility partially soluble in organic solvents
Solubility in water partially soluble
Coefficient of distribution into
n-octanol/Water n.d.
Viscosity n.a.
Vapour density n.a.
9.3 Further information
Decomposition temperature > 65°C
% Persulfates about 40
% Metasilicate about 15

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10. STABILITY AND REACTIVITY

The product does not undergo decomposition if handled in accordance with regulations. The product is stable in security conditions, up to 65°C; above this temperature it slowly starts to decompose, releasing small quantities of oxygen and ammonia. At approximately 150°C decomposition becomes fast and self-accelerating, and generates oxygen which can give rise to relevant fires.
Humidity is a very important factor, because the product moisture – when not kept under control and not stable – can considerably lower the decomposition temperature.
10.1 Conditions to avoid: **heat**, **moisture**, reducing agents such as waving lotions. Avoid impacts. Do not subject to friction. May build electrostatic charges.
10.2 Incompatibilities: acids, alkali, metals, burning and combustible materials. Do not use metallic bowls or stirrers.
10.3 Hazardous decomposition products: corrosive gases/vapours; toxic gases/vapours of sulphur oxides (SO_x), ammonia, nitrogen oxides (NO_x) and ozone.

11. TOXICOLOGICAL INFORMATION

11.1 Dangerous effects
This product contains ingredients that may present health hazards. These ingredients are irritating to skin and mucous membranes of the eyes and respiratory system. They may trigger asthmatic attacks in sensitive individuals. They may induce skin sensitization and respiratory hypersensitivity.

in sensitive individuals. They may induce skin sensitization and respiratory hypersensitivity.
Effects of chronic exposure: for purpose of chronic exposure under the OSHA Hazard Communication Standard, this is an untested mixture.
Target organs: skin, respiratory system.
Route of entry: inhalation, ingestion and skin.
General medical conditions, aggravated by exposure, will be related to the primary toxic (pharmacological) effect of this material; pre-existing dermatitis would be likely to get worse by a skin irritant; bronchitis is aggravated by irritant gases of particulates in the air.
11.2 Toxicological information of raw materials
The list below reports the toxicities of the main ingredients:
Potassium Persulfate LD50 (oral rat) = 805 mg/kg
Sodium Persulfate LD50 (oral rat) = 895 mg/kg
Sodium Metasilicate LD50 (oral rat) = 1125 mg/kg
Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, diarrhoea.
Further information: if used properly, further health hazards are not known, nor predictable.

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12. ECOLOGICAL INFORMATION

General information:
Always follow good hygienic work practices. Avoid product dispersion in the environment.
12.1 Ecotoxicity
Toxicity in water of persulfates
EC50(72h) 83,7 (toxicity on bacteria)
EC50(48h) 120 mg/l (*daphnia)*
LC50(96h) 76,3 mg/l (toxicity on fish)
German classification of risk for waters: WGK 1 – slightly dangerous.
12.2 Mobility: n.d.
12.3 Persistence and degradability n.d.
12.4 Bio-accumulate potential n.d.
12.5 PBT evaluation n.d.
12.6 Further harmful effects n.d.

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13. DISPOSAL CONSIDERATIONS

Waste Treatment
Do not dispose of the product together with domestic waste. Do not let it enter the drainage system.
Disposal should be in accordance with all applicable local and state regulations.

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14. TRANSPORT INFORMATION

UN No: 1479
Road/railway transport (ADR/RID)
- Class 5.1 Oxidizing flammable solid
- Packaging group III
- Proper shipping name Oxidizing solid, N.O.S. (Potassium Persulfate, Sodium persulfate)

Marine transport (IMO/IMDG)
- Class 5.1
- Packaging group III

- EmS number F-A, S-Q
- Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Sodium persulfate).

No marine pollutant.
Air transport (ICAO/IATA)
- Class 5.1
- Packaging group III
- Proper shipping name: Oxiding solid, N.O.S. (Potassium persulfate, Sodium persulfate)

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15. REGULATORY INFORMATION

Classification according to CEE directives:
Symbols **X_n** HARMFUL

O OXIDIZING
R phrases R7 May cause fire
R22 Harmful if swallowed
R36/37/38 Irritating to eyes, respiratory system and skin
R42/43 May cause sensitization by inhalation and skin contact
S phrases S2 Keep out of reach of children
S7/8 Keep container tightly close and dry
S15 keep away from heat
S24/25 Avoid contact with skin and eyes
S46 If swallowed, seek medical advice immediately and show this container or label

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16. FURTHER INFORMATION

16.1 The integral text of R phrases
R7 May cause fire
R 8 Contact with combustible material may cause fire
R20/22 Harmful by inhalation and if swallowed
R22 Harmful if swallowed
R34 Causes burns
R36 Irritating to eyes
R36/37/38 Irritating to eyes, respiratory system and skin
R37 Irritating to respiratory system
R37/38 Irritating to respiratory system and skin
R41 Risk of serious damage to eyes
R42/43 May cause sensitisation by inhalation and skin contact
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
16.4 Further information
This information is based on our present state of knowledge and is intended solely to describe our productions in terms of safety requirements. It should not be construed in any way, as guaranteeing specific properties.
This safety data sheet cancels and replaces any previous edition.

Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **ZZOXY81942**

Product name **AAPEOXY42061 CO ACTIVATOR 1 % 3.5 VOL KEVIN MURPHY**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified Uses	Industrial	Professional	Consumer
Cosmetic Professiona Use	-		-
Cosmetic no professional Use	-	-	

1.3. Details of the supplier of the safety data sheet

Name	**PETTENON COSMETICS s.p.a.**
Full address	**Via del Palù nr. 7/D**
District and Country	**35018 San Martino di Lupari (PD)**
	ITALIA
	Tel.: +39(0)4999888
	Fax.: +39(0) 049998809
e-mail address of the competent person responsible for the Safety Data Sheet	**safetydoc@pettenon.it**
Product distribution by	**PETTENON COSMETICS s.p.a.**

1.4. Emergency telephone number

For urgent inquiries refer to **Pavia 0382/24444; Milano 02/66101029; Bergamo 800 883300; Firenze 055/7947819; Roma Gemelli 06/3054343;Roma Umberto I 06/49978000;Napoli 081/7472870;**

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC (and subsequent amendments and supplements). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to EC Regulation 1907/2006 and subsequent amendments.

2.2. Label elements.

This product is not subject to hazard labeling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements.

Warning symbols: None.

Hazard sentences (R): None.

Caution recommendations (S): None.

Safety data sheet available for professional users on request.

2.3. Other hazards.

Information not available.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification.	Conc. %.	Classification 67/548/EEC.	Classification 1272/2008 (CLP).
HYDROGEN PEROXIDE SOLUTION			
CAS. 7722-84-1	1 - 5	R 5, O R 8, C R35, Xn R20/22, Note B	Ox. Liq. 1 H271, Ox. Liq. 2 H272, Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Corr. 1A H314, STOT SE 3 H335, Note B
EC. 231-765-0			
INDEX. 008-003-00-9			
Reg. no. 01-2119485845-22-0001			

Note: Upper limit is not included into the range.

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.
T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment(N)

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.
INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT
The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.
UNSUITABLE EXTINGUISHING EQUIPMENT
None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.
Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

United Kingdom	EH40/2005 Workplace exposure limits. Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations (as amended).
Éire	Code of Practice Chemical Agent Regulations 2011.
OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
TLV-ACGIH	ACGIH 2012

HYDROGEN PEROXIDE SOLUTION

Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
WEL	UK	1,4	1	2,8	2
OEL	IRL	1,5	1	3	2
TLV-ACGIH		1,4	1		

Predicted no-effect concentration - PNEC.		
Normal value for the terrestrial compartment	0,0023	mg/kg

Normal value in fresh water	0,0126	mg/l
Normal value in marine water	0,0126	mg/l
Normal value for fresh water sediment	0,47	mg/kg
Normal value for marine water sediment	0,47	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers.				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation.	1,93 mg/m3	VND	0,21 mg/m3	VND	3 mg/m3	VND	VND	1,4 mg/m3

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

HAND PROTECTION
Protect hands with category III work gloves (see standard EN 374).
The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION
Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION
Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.
If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	white creamy emulsion
Colour	white
Odour	characteristic
Odour threshold.	Not available.
pH.	3.0 - 3.5
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.

Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	0,994 Kg/l
Solubility	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	(G6 12rpm)=10000-20000 cps
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information.

VOC (Directive 1999/13/EC) :	0
VOC (volatile carbon) :	0

SECTION 10. Stability and reactivity.

10.1. Reactivity.

HYDROGEN PEROXIDE SOLUTION: decomposes rapidly with risk of explosion due to the effect of light, heat and contact with alkaline metals.

10.2. Chemical stability.

Information not available.

10.3. Possibility of hazardous reactions.

The product may react violently with water.

10.4. Conditions to avoid.

Avoid overheating. Prevent moisture or water from penetrating inside the containers.

HYDROGEN PEROXIDE SOLUTION: exposure to light, heat and alkaline substances.

10.5. Incompatible materials.

HYDROGEN PEROXIDE SOLUTION: flammable substances, acetone, ethanol, glycerol, organic sulphides, hydrated bases, oxidisable materials, iron, copper, bronze, chromium, zinc, lead, silver, manganese and acetic acid.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

11.1. Information on toxicological effects.

HYDROGEN PEROXIDE
Tossicità a dose ripetuta
- Orale, Esposizione prolungata , topo, Tratto gastrointestinale 300 ppm(m), LOAEL
- Orale, Esposizione prolungata , topo, 100 ppm , NOAEL
- Inalazione, Esposizione ripetuta , ratto, Sistema respiratorio >= 10 ppm(m), LOAEL

- Inalazione, Esposizione prolungata , ratto, 2 ppm , NOAEL
Mutagenicità
- Test in vitro hanno rivelato effetti mutagenici.
- Test su animali non hanno rivelato nessun efffetto mutagenico.
- Non classificato a causa di dati non conclusivi.
Cancerogenicità
- Orale, Esposizione prolungata, topo, Organi bersaglio: Duodeno, effetti cancerogeni
- Dermico, Esposizione prolungata, topo, Test su animali non hanno rivelato nessun effetto cancerogeno.
- Inalazione, Esposizione prolungata, topo, Test su animali non hanno rivelato nessun effetto cancerogeno.
- Non classificato a causa di dati non conclusivi.
Tossicità per la riproduzione
- La sostanza è biotrasformata completamente (metabolizzata).
- studio scientificamente ingiustificato

HYDROGEN PEROXIDE SOLUTION
LD50 (Oral). 1193 mg/kg Rat
LD50 (Dermal). > 2000 mg/kg rabbit
LC50 (Inhalation). > 0,17 mg/l rat

Cetearyl Alcohol
LD50 (Oral). > 5000 mg/kg

SECTION 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1. Toxicity.

HYDROGEN PEROXIDE SOLUTION
LC50 - for Fish.
> 16,4 mg/l/96h piscis
EC50 - for Crustacea.
> 2,4 mg/l/48h dafnia
EC50 - for Algae / Aquatic Plants.
4,3 mg/l/72h
Chronic NOEC for Fish.
4,3 mg/l
Chronic NOEC for Crustacea.
1 mg/l
Chronic NOEC for Algae / Aquatic Plants.
0,1 mg/l

12.2. Persistence and degradability.

HYDROGEN PEROXIDE SOLUTION: easily biodegradable.

HYDROGEN PEROXIDE SOLUTION
Rapidly biodegradable.

12.3. Bioaccumulative potential.

HYDROGEN PEROXIDE SOLUTION
Partition coefficient: n-octanol/water.
-1,57

12.4. Mobility in soil.

HYDROGEN PEROXIDE SOLUTION
Partition coefficient: soil/water.
0,2

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Avoid littering. Do not contaminate soil, sewers and waterways.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

SECTION 15. Regulatory information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category. Cosmetic product, not relevant

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

None.

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Information not available.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Liq. 1	Oxidising liquid, category 1
Ox. Liq. 2	Oxidising liquid, category 2
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1A	Skin corrosion, category 1A
STOT SE 3	Specific target organ toxicity - single exposure, category 3
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.

H333

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

R 5	HEATING MAY CAUSE AN EXPLOSION.
R 8	CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE.
R20/22	HARMFUL BY INHALATION AND IF SWALLOWED.
R35	CAUSES SEVERE BURNS.

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY
1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
8. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
9. The Merck Index. - 10th Edition
10. Handling Chemical Safety
11. Niosh - Registry of Toxic Effects of Chemical Substances
12. INRS - Fiche Toxicologique (toxicological sheet)
13. Patty - Industrial Hygiene and Toxicology
14. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
15. ECHA website
Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:
The following sections were modified:
01 / 08.

Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **ZZOXY81338**

Product name **AAPEOXY42062 CO ACTIVATOR 3 % 10 VOL KEVIN MURPHY**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use **cosmetic use**

1.3. Details of the supplier of the safety data sheet

Name	**PETTENON COSMETICS s.p.a.**
Full address	**Via del Palù nr. 7/D**
District and Country	**35018 San Martino di Lupari (PD)**
	ITALIA
	Tel.: +39(0)4999888
	Fax.: +39(0) 049998809
e-mail address of the competent person responsible for the Safety Data Sheet	**safetydoc@pettenon.it**
Product distribution by	**PETTENON COSMETICS s.p.a.**

1.4. Emergency telephone number

For urgent inquiries refer to **Pavia 0382/24444; Milano 02/66101029; Bergamo 800 883300; Firenze 055/7947819; Roma Gemelli 06/3054343;Roma Umberto I 06/49978000;Napoli 081/7472870;**

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC (and subsequent amendments and supplements). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to EC Regulation 1907/2006 and subsequent amendments.

2.2. Label elements.

This product is not subject to hazard labeling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements.

Warning symbols: None.

Hazard sentences (R): None.

Caution recommendations (S): None.

Safety data sheet available for professional users on request.

2.3. Other hazards.

Information not available.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification.	Conc. %.	Classification 67/548/EEC.	Classification 1272/2008 (CLP).
HYDROGEN PEROXIDE SOLUTION			
CAS. 7722-84-1	1 - 5	R 5, O R 8, C R35, Xn R20/22, Note B	Ox. Liq. 1 H271, Ox. Liq. 2 H272, Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Corr. 1A H314, STOT SE 3 H335, Note B
EC. 231-765-0			
INDEX. 008-003-00-9			
Reg. no. 01-2119485845-22-0001			
Stearamidopropyl Dimethylamine			
CAS. 7651-02-7	0,1 - 1	Xi R38, Xi R41, N R50	Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Acute 1 H400 M=1
EC. 231-609-1			
INDEX. -			

Note: Upper limit is not included into the range.

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.
T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment(N)

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.
INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT
Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.
UNSUITABLE EXTINGUISHING EQUIPMENT
Do not use jets of water.
Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION
In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.
Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

United Kingdom	EH40/2005 Workplace exposure limits. Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations (as amended).
Éire	Code of Practice Chemical Agent Regulations 2011.
OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
TLV-ACGIH	ACGIH 2012

HYDROGEN PEROXIDE SOLUTION

Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
WEL	UK	1,4	1	2,8	2

OEL	IRL	1,5	1	3	2
TLV-ACGIH		1,4	1		

Predicted no-effect concentration - PNEC.		
Normal value for the terrestrial compartment	0,0023	mg/kg
Normal value in fresh water	0,0126	mg/l
Normal value in marine water	0,0126	mg/l
Normal value for fresh water sediment	0,47	mg/kg
Normal value for marine water sediment	0,47	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers.				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation.	1,93 mg/m3	VND	0,21 mg/m3	VND	3 mg/m3	VND	VND	1,4 mg/m3

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

HAND PROTECTION
Protect hands with category III work gloves (see standard EN 374).
The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION
Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION
Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.
If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	white creamy emulsion
Colour	white
Odour	characteristic
Odour threshold.	Not available.
pH.	3.0 - 3.5
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	Not available.

Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	0,994 Kg/l
Solubility	soluble in water
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	12.000 - 18.000 cps
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information.

VOC (Directive 1999/13/EC) :	0
VOC (volatile carbon) :	0
% equivalent active oxygen (%m/m)	3.0 +/- 0.5

SECTION 10. Stability and reactivity.

10.1. Reactivity.

HYDROGEN PEROXIDE SOLUTION: decomposes rapidly with risk of explosion due to the effect of light, heat and contact with alkaline metals.

10.2. Chemical stability.

Information not available.

10.3. Possibility of hazardous reactions.

The product may react violently with water.

10.4. Conditions to avoid.

Avoid overheating. Prevent moisture or water from penetrating inside the containers.

HYDROGEN PEROXIDE SOLUTION: exposure to light, heat and alkaline substances.

10.5. Incompatible materials.

HYDROGEN PEROXIDE SOLUTION: flammable substances, acetone, ethanol, glycerol, organic sulphides, hydrated bases, oxidisable materials, iron, copper, bronze, chromium, zinc, lead, silver, manganese and acetic acid.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

11.1. Information on toxicological effects.

HYDROGEN PEROXIDE
Tossicità a dose ripetuta
- Orale, Esposizione prolungata , topo, Tratto gastrointestinale 300 ppm(m), LOAEL
- Orale, Esposizione prolungata , topo, 100 ppm , NOAEL
- Inalazione, Esposizione ripetuta , ratto, Sistema respiratorio >= 10 ppm(m), LOAEL
- Inalazione, Esposizione prolungata , ratto, 2 ppm , NOAEL
Mutagenicità
- Test in vitro hanno rivelato effetti mutagenici.
- Test su animali non hanno rivelato nessun efffetto mutagenico.
- Non classificato a causa di dati non conclusivi.
Cancerogenicità
- Orale, Esposizione prolungata, topo, Organi bersaglio: Duodeno, effetti cancerogeni
- Dermico, Esposizione prolungata, topo, Test su animali non hanno rivelato nessun effetto cancerogeno.
- Inalazione, Esposizione prolungata, topo, Test su animali non hanno rivelato nessun effetto cancerogeno.
- Non classificato a causa di dati non conclusivi.
Tossicità per la riproduzione
- La sostanza è biotrasformata completamente (metabolizzata).
- studio scientificamente ingiustificato

HYDROGEN PEROXIDE SOLUTION
LD50 (Oral). 1193 mg/kg Rat
LD50 (Dermal). > 2000 mg/kg rabbit
LC50 (Inhalation). > 0,17 mg/l rat

Cetearyl Alcohol
LD50 (Oral). > 5000 mg/kg

Stearamidopropyl Dimethylamine
LD50 (Oral). > 5000 mg/kg rat

SECTION 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1. Toxicity.

HYDROGEN PEROXIDE SOLUTION
LC50 - for Fish.
> 16,4 mg/l/96h piscis
EC50 - for Crustacea.
> 2,4 mg/l/48h dafnia
EC50 - for Algae / Aquatic Plants.
4,3 mg/l/72h
Chronic NOEC for Fish.
4,3 mg/l
Chronic NOEC for Crustacea.
1 mg/l
Chronic NOEC for Algae / Aquatic Plants.
0,1 mg/l

Stearamidopropyl Dimethylamine
EC50 - for Algae / Aquatic Plants.
0,34 mg/l/72h Scenedesmus subspicatus

12.2. Persistence and degradability.

HYDROGEN PEROXIDE SOLUTION: easily biodegradable.

HYDROGEN PEROXIDE SOLUTION
Rapidly biodegradable.

Stearamidopropyl Dimethylamine
Rapidly biodegradable.

12.3. Bioaccumulative potential.

HYDROGEN PEROXIDE SOLUTION
Partition coefficient: n-octanol/water.
-1,57

12.4. Mobility in soil.

HYDROGEN PEROXIDE SOLUTION

Partition coefficient: soil/water:
0,2

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Avoid littering. Do not contaminate soil, sewers and waterways.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category. Cosmetic product, not relevant

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

None.

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Information not available.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Liq. 1	Oxidising liquid, category 1
Ox. Liq. 2	Oxidising liquid, category 2
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1A	Skin corrosion, category 1A
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

R 5	HEATING MAY CAUSE AN EXPLOSION.
R 8	CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE.
R20/22	HARMFUL BY INHALATION AND IF SWALLOWED.
R35	CAUSES SEVERE BURNS.
R38	IRRITATING TO SKIN.
R41	RISK OF SERIOUS DAMAGE TO EYES.
R50	VERY TOXIC TO AQUATIC ORGANISMS.

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY
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Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified:

01 / 03 / 08 / 11 / 12 / 16.

Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **ZZOXY81339**

Product name **AAPEOXY42063 CO ACTIVATOR 6 % 20 VOL KEVIN MURPHY**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use **cosmetic use**

1.3. Details of the supplier of the safety data sheet

Name	**PETTENON COSMETICS s.p.a.**
Full address	**Via del Palù nr. 7/D**
District and Country	**35018 San Martino di Lupari (PD)**
	ITALIA
	Tel.: +39(0)4999888
	Fax.: +39(0) 049998809
e-mail address of the competent person responsible for the Safety Data Sheet	**safetydoc@pettenon.it**
Product distribution by	**PETTENON COSMETICS s.p.a.**

1.4. Emergency telephone number

For urgent inquiries refer to **Pavia 0382/24444; Milano 02/66101029; Bergamo 800 883300; Firenze 055/7947819; Roma Gemelli 06/3054343;Roma Umberto I 06/49978000;Napoli 081/7472870;**

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.
Danger Symbols:
Xi
R phrases:
36

2.2. Label elements.

Hazard labelling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements.

IRRITANT

R36	IRRITATING TO EYES.
S25	AVOID CONTACT WITH EYES.
S26	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

2.3. Other hazards.

Information not available.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification.	Conc. %.	Classification 67/548/EEC.	Classification 1272/2008 (CLP).
HYDROGEN PEROXIDE SOLUTION CAS. 7722-84-1 EC. 231-765-0 INDEX. 008-003-00-9 Reg. no. 01-2119485845-22-0001	5 - 8	R 5, O R 8, C R35, Xn R20/22, Note B	Ox. Liq. 1 H271, Ox. Liq. 2 H272, Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Corr. 1A H314, STOT SE 3 H335, Note B
Stearamidopropyl Dimethylamine CAS. 7651-02-7 EC. 231-609-1 INDEX. -	0,1 - 1	Xi R38, Xi R41, N R50	Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Acute 1 H400 M=1

Note: Upper limit is not included into the range.

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.
T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment(N)

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.
INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT
Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.
UNSUITABLE EXTINGUISHING EQUIPMENT
Do not use jets of water.
Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION
In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.
Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

United Kingdom	EH40/2005 Workplace exposure limits. Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations (as amended).
Éire	Code of Practice Chemical Agent Regulations 2011.
OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
TLV-ACGIH	ACGIH 2012

HYDROGEN PEROXIDE SOLUTION					
Threshold Limit Value.					
Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
WEL	UK	1,4	1	2,8	2
OEL	IRL	1,5	1	3	2
TLV-ACGIH		1,4	1		

Predicted no-effect concentration - PNEC.		
Normal value for the terrestrial compartment	0,0023	mg/kg
Normal value in fresh water	0,0126	mg/l
Normal value in marine water	0,0126	mg/l
Normal value for fresh water sediment	0,47	mg/kg
Normal value for marine water sediment	0,47	mg/kg

Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers.				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation.	1,93 mg/m3	VND	0,21 mg/m3	VND	3 mg/m3	VND	VND	1,4 mg/m3

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION
Protect hands with category III work gloves (see standard EN 374).
The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION
Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION
Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.
If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	white creamy emulsion

Colour	white
Odour	characteristic
Odour threshold.	Not available.
pH.	3.0 - 3.5
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	1,004 Kg/l
Solubility	soluble in water
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	15.000 - 18.000 cps
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information.

VOC (Directive 1999/13/EC) :	0
VOC (volatile carbon) :	0
% equivalent active oxygen (%m/m)	6.0 +/- 0.5

SECTION 10. Stability and reactivity.

10.1. Reactivity.

HYDROGEN PEROXIDE SOLUTION: decomposes rapidly with risk of explosion due to the effect of light, heat and contact with alkaline metals.

10.2. Chemical stability.

Information not available.

10.3. Possibility of hazardous reactions.

The product may react violently with water.

10.4. Conditions to avoid.

Avoid overheating. Prevent moisture or water from penetrating inside the containers.

HYDROGEN PEROXIDE SOLUTION: exposure to light, heat and alkaline substances.

10.5. Incompatible materials.

HYDROGEN PEROXIDE SOLUTION: flammable substances, acetone, ethanol, glycerol, organic sulphides, hydrated bases, oxidisable materials, iron, copper, bronze, chromium, zinc, lead, silver, manganese and acetic acid.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.
Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation. Vapour inhalation may moderately irritate the upper respiratory trait. Contact with skin may cause slight irritation. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

HYDROGEN PEROXIDE
Tossicità a dose ripetuta
- Orale, Esposizione prolungata , topo, Tratto gastrointestinale 300 ppm(m), LOAEL
- Orale, Esposizione prolungata , topo, 100 ppm , NOAEL
- Inalazione, Esposizione ripetuta , ratto, Sistema respiratorio >= 10 ppm(m), LOAEL
- Inalazione, Esposizione prolungata , ratto, 2 ppm , NOAEL
Mutagenicità
- Test in vitro hanno rivelato effetti mutagenici.
- Test su animali non hanno rivelato nessun efffetto mutagenico.
- Non classificato a causa di dati non conclusivi.
Cancerogenicità
- Orale, Esposizione prolungata, topo, Organi bersaglio: Duodeno, effetti cancerogeni
- Dermico, Esposizione prolungata, topo, Test su animali non hanno rivelato nessun effetto cancerogeno.
- Inalazione, Esposizione prolungata, topo, Test su animali non hanno rivelato nessun effetto cancerogeno.
- Non classificato a causa di dati non conclusivi.
Tossicità per la riproduzione
- La sostanza è biotrasformata completamente (metabolizzata).
- studio scientificamente ingiustificato

HYDROGEN PEROXIDE SOLUTION
LD50 (Oral). 1193 mg/kg Rat
LD50 (Dermal). > 2000 mg/kg rabbit
LC50 (Inhalation). > 0,17 mg/l rat

Cetearyl Alcohol
LD50 (Oral). > 5000 mg/kg

Stearamidopropyl Dimethylamine
LD50 (Oral). > 5000 mg/kg rat

SECTION 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

Impedire la penetrazione nel terreno, nelle acque di superficie e nelle fognature. Il prodotto è considerato essere un inquinante dell'acqua.
(Legislazione Tedesca)

12.1. Toxicity.

HYDROGEN PEROXIDE SOLUTION
LC50 - for Fish.
> 16,4 mg/l/96h piscis
EC50 - for Crustacea.
> 2,4 mg/l/48h dafnia
EC50 - for Algae / Aquatic Plants.
4,3 mg/l/72h
Chronic NOEC for Fish.
4,3 mg/l
Chronic NOEC for Crustacea.
1 mg/l
Chronic NOEC for Algae / Aquatic Plants.
0,1 mg/l

Stearamidopropyl Dimethylamine
EC50 - for Algae / Aquatic Plants.
0,34 mg/l/72h Scenedesmus subspicatus

12.2. Persistence and degradability.

HYDROGEN PEROXIDE SOLUTION: easily biodegradable.

HYDROGEN PEROXIDE SOLUTION
Rapidly biodegradable.

Stearamidopropyl Dimethylamine
Rapidly biodegradable.

12.3. Bioaccumulative potential.

HYDROGEN PEROXIDE SOLUTION
Partition coefficient: n-octanol/water.
-1,57

12.4. Mobility in soil.

HYDROGEN PEROXIDE SOLUTION
Partition coefficient: soil/water.
0,2

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Avoid littering. Do not contaminate soil, sewers and waterways.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

SECTION 15. Regulatory information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category. Cosmetic product, not relevant

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.
Point. 3

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Liq. 1	Oxidising liquid, category 1
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STOT SE 3	Specific target organ toxicity - single exposure, category 3
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H271	May cause fire or explosion; strong oxidiser.
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15. ECHA website

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This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified:

01 / 08.

Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **ZZOXY81341**

Product name **AAPEOXY42064 CO ACTIVATOR 9 % 30 VOL KEVIN MURPHY AL KG/SFUSA IN BULK 1000 KG**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use **cosmetic use**

Identified Uses	Industrial	Professional	Consumer
Cosmetic Professiona Use	-	☑	-
Cosmetic no professional Use	-	-	☑

1.3. Details of the supplier of the safety data sheet

Name **PETTENON COSMETICS s.p.a.**

Full address **Via del Palù nr. 7/D**

District and Country **35018 San Martino di Lupari (PD)**

ITALIA

Tel.: +39(0)4999888

Fax.: +39(0) 049998809

e-mail address of the competent person responsible for the Safety Data Sheet **safetydoc@pettenon.it**

Product distribution by **PETTENON COSMETICS s.p.a.**

1.4. Emergency telephone number

For urgent inquiries refer to **Pavia 0382/24444; Milano 02/66101029; Bergamo 800 883300; Firenze 055/7947819; Roma Gemelli 06/3054343;Roma Umberto I 06/49978000;Napoli 081/7472870;**

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.
Danger Symbols:
Xn
R phrases:
22-41

2.2. Label elements.

Hazard labelling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements.

HARMFUL

R22 HARMFUL IF SWALLOWED.

R41	RISK OF SERIOUS DAMAGE TO EYES.
S25	AVOID CONTACT WITH EYES.
S26	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S39	WEAR EYE/FACE PROTECTION.

Contains: HYDROGEN PEROXIDE SOLUTION

2.3. Other hazards.

Information not available.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification.	**Conc. %.**	**Classification 67/548/EEC.**	**Classification 1272/2008 (CLP).**
HYDROGEN PEROXIDE SOLUTION CAS. 7722-84-1 EC. 231-765-0 INDEX. 008-003-00-9 Reg. no. 01-2119485845-22-0001	8 - 10	R 5, O R 8, C R35, Xn R20/22, Note B	Ox. Liq. 1 H271, Ox. Liq. 2 H272, Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Corr. 1A H314, STOT SE 3 H335, Note B
Stearamidopropyl Dimethylamine CAS. 7651-02-7 EC. 231-609-1 INDEX. -	0,1 - 1	Xi R38, Xi R41, N R50	Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Acute 1 H400 M=1

Note: Upper limit is not included into the range.

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.
T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment(N)

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.
INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT
Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.
UNSUITABLE EXTINGUISHING EQUIPMENT
Do not use jets of water.
Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION
In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.
Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

Regulatory References:

United Kingdom	EH40/2005 Workplace exposure limits. Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations (as amended).
Éire	Code of Practice Chemical Agent Regulations 2011.
OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
TLV-ACGIH	ACGIH 2012

HYDROGEN PEROXIDE SOLUTION

Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
WEL	UK	1,4	1	2,8	2
OEL	IRL	1,5	1	3	2
TLV-ACGIH		1,4	1		

Predicted no-effect concentration - PNEC.		
Normal value for the terrestrial compartment	0,0023	mg/kg
Normal value in fresh water	0,0126	mg/l
Normal value in marine water	0,0126	mg/l
Normal value for fresh water sediment	0,47	mg/kg
Normal value for marine water sediment	0,47	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers.				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation.	1,93 mg/m3	VND	0,21 mg/m3	VND	3 mg/m3	VND	VND	1,4 mg/m3

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION
Protect hands with category III work gloves (see standard EN 374).
The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION
Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION
Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

RESPIRATORY PROTECTION
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.
If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	white creamy emulsion
Colour	white
Odour	characteristic
Odour threshold.	Not available.
pH.	3.0 - 3.5
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	1,014 Kg/l
Solubility	soluble in water
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	15.000 - 18.000 cps
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information.

VOC (Directive 1999/13/EC) :	0
VOC (volatile carbon) :	0
% equivalent active oxygen (%m/m)	9.0 +/- 0.5

SECTION 10. Stability and reactivity.

10.1. Reactivity.

HYDROGEN PEROXIDE SOLUTION: decomposes rapidly with risk of explosion due to the effect of light, heat and contact with alkaline metals.

10.2. Chemical stability.

Information not available.

10.3. Possibility of hazardous reactions.

The product may react violently with water.

10.4. Conditions to avoid.

Avoid overheating. Prevent moisture or water from penetrating inside the containers.

HYDROGEN PEROXIDE SOLUTION: exposure to light, heat and alkaline substances.

10.5. Incompatible materials.

HYDROGEN PEROXIDE SOLUTION: flammable substances, acetone, ethanol, glycerol, organic sulphides, hydrated bases, oxidisable materials, iron, copper, bronze, chromium, zinc, lead, silver, manganese and acetic acid.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.
Acute effects: ingestion of this product is harmful. Even small amounts of product may cause serious health problems (stomach pain, nausea, sickness, diarrhoea). This product may slightly irritate mucosas, the upper respiratory tract, eyes, and skin. Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness.
This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

HYDROGEN PEROXIDE
Tossicità a dose ripetuta
- Orale, Esposizione prolungata , topo, Tratto gastrointestinale 300 ppm(m), LOAEL
- Orale, Esposizione prolungata , topo, 100 ppm , NOAEL
- Inalazione, Esposizione ripetuta , ratto, Sistema respiratorio >= 10 ppm(m), LOAEL
- Inalazione, Esposizione prolungata , ratto, 2 ppm , NOAEL
Mutagenicità
- Test in vitro hanno rivelato effetti mutagenici.
- Test su animali non hanno rivelato nessun efffetto mutagenico.
- Non classificato a causa di dati non conclusivi.
Cancerogenicità
- Orale, Esposizione prolungata, topo, Organi bersaglio: Duodeno, effetti cancerogeni
- Dermico, Esposizione prolungata, topo, Test su animali non hanno rivelato nessun effetto cancerogeno.
- Inalazione, Esposizione prolungata, topo, Test su animali non hanno rivelato nessun effetto cancerogeno.
- Non classificato a causa di dati non conclusivi.
Tossicità per la riproduzione
- La sostanza è biotrasformata completamente (metabolizzata).
- studio scientificamente ingiustificato

HYDROGEN PEROXIDE SOLUTION
LD50 (Oral). 1193 mg/kg Rat
LD50 (Dermal). > 2000 mg/kg rabbit
LC50 (Inhalation). > 0,17 mg/l rat

Cetearyl Alcohol
LD50 (Oral). > 5000 mg/kg

Stearamidopropyl Dimethylamine
LD50 (Oral). > 5000 mg/kg rat

SECTION 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

Impedire la penetrazione nel terreno, nelle acque di superficie e nelle fognature. Il prodotto è considerato essere un inquinante dell'acqua.
(Legislazione Tedesca)

12.1. Toxicity.

HYDROGEN PEROXIDE SOLUTION
LC50 - for Fish.
> 16,4 mg/l/96h piscis
EC50 - for Crustacea.
> 2,4 mg/l/48h dafnia
EC50 - for Algae / Aquatic Plants.
4,3 mg/l/72h
Chronic NOEC for Fish.
4,3 mg/l
Chronic NOEC for Crustacea.
1 mg/l

1 mg/l
Chronic NOEC for Algae / Aquatic Plants.
0,1 mg/l

Stearamidopropyl Dimethylamine
EC50 - for Algae / Aquatic Plants.
0,34 mg/l/72h Scenedesmus subspicatus

12.2. Persistence and degradability.

HYDROGEN PEROXIDE SOLUTION: easily biodegradable.

HYDROGEN PEROXIDE SOLUTION
Rapidly biodegradable.

Stearamidopropyl Dimethylamine
Rapidly biodegradable.

12.3. Bioaccumulative potential.

HYDROGEN PEROXIDE SOLUTION
Partition coefficient: n-octanol/water.
-1,57

12.4. Mobility in soil.

HYDROGEN PEROXIDE SOLUTION
Partition coefficient: soil/water.
0,2

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Avoid littering. Do not contaminate soil, sewers and waterways.
Waste transportation may be subject to ADR restrictions.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations.These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

ADR/RID Class: 5.1 UN: 2984

Packing Group: III

Label: 5.1

Nr. Kemler: 50

Limited Quantity. 5 L

Tunnel restriction code. (E)

Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS

Carriage by sea (shipping):

IMO Class: 5.1 UN: 2984

Packing Group: III

Label: 5.1

EMS: F-H, S-Q

Marine Pollutant. NO

Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS

Transport by air:

IATA: 5.1 UN: 2984

Packing Group: III

Label: 5.1

Cargo:

Packaging instructions: 555 Maximum quantity: 30 L

Pass.:

Packaging instructions: 551 Maximum quantity: 2,5 L

Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS

SECTION 15. Regulatory information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category. Cosmetic product, not relevant

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.
Point. 3

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Liq. 1	Oxidising liquid, category 1
Ox. Liq. 2	Oxidising liquid, category 2
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1A	Skin corrosion, category 1A
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

R 5	HEATING MAY CAUSE AN EXPLOSION.
R 8	CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE.
R20/22	HARMFUL BY INHALATION AND IF SWALLOWED.
R22	HARMFUL IF SWALLOWED.
R35	CAUSES SEVERE BURNS.
R38	IRRITATING TO SKIN.
R41	RISK OF SERIOUS DAMAGE TO EYES.
R50	VERY TOXIC TO AQUATIC ORGANISMS.

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY
1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments

3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
8. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
9. The Merck Index. - 10th Edition
10. Handling Chemical Safety
11. Niosh - Registry of Toxic Effects of Chemical Substances
12. INRS - Fiche Toxicologique (toxicological sheet)
13. Patty - Industrial Hygiene and Toxicology
14. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
15. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified:

08.

Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **ZZOXY81342**

Product name **AAPEOXY42065 CO ACTIVATOR 12 % 40 VOL KEVIN MURPHY AL KG/SFUSA IN BULK 1000 KG**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use **cosmetic use**

Identified Uses	Industrial	Professional	Consumer
Cosmetic Professiona Use	-	☑	-
Cosmetic no professional Use	-	-	☑

1.3. Details of the supplier of the safety data sheet

Name	**PETTENON COSMETICS s.p.a.**
Full address	**Via del Palù nr. 7/D**
District and Country	**35018 San Martino di Lupari (PD)**
	ITALIA
	Tel.: +39(0)4999888
	Fax.: +39(0) 049998809
e-mail address of the competent person responsible for the Safety Data Sheet	**safetydoc@pettenon.it**
Product distribution by	**PETTENON COSMETICS s.p.a.**

1.4. Emergency telephone number

For urgent inquiries refer to **Pavia 0382/24444; Milano 02/66101029; Bergamo 800 883300; Firenze 055/7947819; Roma Gemelli 06/3054343;Roma Umberto I 06/49978000;Napoli 081/7472870;**

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.
Danger Symbols:
Xn
R phrases:
22-41

2.2. Label elements.

Hazard labelling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements.

HARMFUL

R22 HARMFUL IF SWALLOWED.

R41	RISK OF SERIOUS DAMAGE TO EYES.
S25	AVOID CONTACT WITH EYES.
S26	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S39	WEAR EYE/FACE PROTECTION.

Contains: HYDROGEN PEROXIDE SOLUTION

2.3. Other hazards.

Information not available.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification.	**Conc. %.**	**Classification 67/548/EEC.**	**Classification 1272/2008 (CLP).**
HYDROGEN PEROXIDE SOLUTION CAS. 7722-84-1 EC. 231-765-0 INDEX. 008-003-00-9 Reg. no. 01-2119485845-22-0001	10 - 20	R 5, O R 8, C R35, Xn R20/22, Note B	Ox. Liq. 1 H271, Ox. Liq. 2 H272, Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Corr. 1A H314, STOT SE 3 H335, Note B
Stearamidopropyl Dimethylamine CAS. 7651-02-7 EC. 231-609-1 INDEX. -	0,1 - 1	Xi R38, Xi R41, N R50	Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Acute 1 H400 M=1

Note: Upper limit is not included into the range.

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.
T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment(N)

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4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.
INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT
Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.
UNSUITABLE EXTINGUISHING EQUIPMENT
Do not use jets of water.
Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION
In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

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6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.
Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

Regulatory References:

United Kingdom	EH40/2005 Workplace exposure limits. Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations (as amended).
Éire	Code of Practice Chemical Agent Regulations 2011.
OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
TLV-ACGIH	ACGIH 2012

HYDROGEN PEROXIDE SOLUTION

Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
WEL	UK	1,4	1	2,8	2
OEL	IRL	1,5	1	3	2
TLV-ACGIH		1,4	1		

Predicted no-effect concentration - PNEC.		
Normal value for the terrestrial compartment	0,0023	mg/kg
Normal value in fresh water	0,0126	mg/l
Normal value in marine water	0,0126	mg/l
Normal value for fresh water sediment	0,47	mg/kg
Normal value for marine water sediment	0,47	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers.				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation.	1,93 mg/m3	VND	0,21 mg/m3	VND	3 mg/m3	VND	VND	1,4 mg/m3

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION
Protect hands with category III work gloves (see standard EN 374).
The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION
Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION
Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

RESPIRATORY PROTECTION
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.
If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	white creamy emulsion
Colour	white
Odour	characteristic
Odour threshold.	Not available.
pH.	3.0 - 3.5
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	1,029 Kg/l
Solubility	soluble in water
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	15.000 - 18.000 cps
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information.

VOC (Directive 1999/13/EC) :	0
VOC (volatile carbon) :	0
% equivalent active oxygen (%m/m)	12.0 +/- 0.5

SECTION 10. Stability and reactivity.

10.1. Reactivity.

HYDROGEN PEROXIDE SOLUTION: decomposes rapidly with risk of explosion due to the effect of light, heat and contact with alkaline metals.

10.2. Chemical stability.

Information not available.

10.3. Possibility of hazardous reactions.

The product may react violently with water.

10.4. Conditions to avoid.

Avoid overheating. Prevent moisture or water from penetrating inside the containers.

HYDROGEN PEROXIDE SOLUTION: exposure to light, heat and alkaline substances.

10.5. Incompatible materials.

HYDROGEN PEROXIDE SOLUTION: flammable substances, acetone, ethanol, glycerol, organic sulphides, hydrated bases, oxidisable materials, iron, copper, bronze, chromium, zinc, lead, silver, manganese and acetic acid.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.
Acute effects: ingestion of this product is harmful. Even small amounts of product may cause serious health problems (stomach pain, nausea, sickness, diarrhoea). This product may slightly irritate mucosas, the upper respiratory tract, eyes, and skin. Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness.
This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

HYDROGEN PEROXIDE
Tossicità a dose ripetuta
- Orale, Esposizione prolungata , topo, Tratto gastrointestinale 300 ppm(m), LOAEL
- Orale, Esposizione prolungata , topo, 100 ppm , NOAEL
- Inalazione, Esposizione ripetuta , ratto, Sistema respiratorio >= 10 ppm(m), LOAEL
- Inalazione, Esposizione prolungata , ratto, 2 ppm , NOAEL
Mutagenicità
- Test in vitro hanno rivelato effetti mutagenici.
- Test su animali non hanno rivelato nessun efffetto mutagenico.
- Non classificato a causa di dati non conclusivi.
Cancerogenicità
- Orale, Esposizione prolungata, topo, Organi bersaglio: Duodeno, effetti cancerogeni
- Dermico, Esposizione prolungata, topo, Test su animali non hanno rivelato nessun effetto cancerogeno.
- Inalazione, Esposizione prolungata, topo, Test su animali non hanno rivelato nessun effetto cancerogeno.
- Non classificato a causa di dati non conclusivi.
Tossicità per la riproduzione
- La sostanza è biotrasformata completamente (metabolizzata).
- studio scientificamente ingiustificato

HYDROGEN PEROXIDE SOLUTION
LD50 (Oral). 1193 mg/kg Rat
LD50 (Dermal). > 2000 mg/kg rabbit
LC50 (Inhalation). > 0,17 mg/l rat

Cetearyl Alcohol
LD50 (Oral). > 5000 mg/kg

Stearamidopropyl Dimethylamine
LD50 (Oral). > 5000 mg/kg rat

SECTION 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

Impedire la penetrazione nel terreno, nelle acque di superficie e nelle fognature. Il prodotto è considerato essere un inquinante dell'acqua.
(Legislazione Tedesca)

12.1. Toxicity.

HYDROGEN PEROXIDE SOLUTION
LC50 - for Fish.
> 16,4 mg/l/96h piscis
EC50 - for Crustacea.
> 2,4 mg/l/48h dafnia
EC50 - for Algae / Aquatic Plants.
4,3 mg/l/72h
Chronic NOEC for Fish.
4,3 mg/l
Chronic NOEC for Crustacea.
1 mg/l

1 mg/l
Chronic NOEC for Algae / Aquatic Plants.
0,1 mg/l

Stearamidopropyl Dimethylamine
EC50 - for Algae / Aquatic Plants.
0,34 mg/l/72h Scenedesmus subspicatus

12.2. Persistence and degradability.

HYDROGEN PEROXIDE SOLUTION: easily biodegradable.

HYDROGEN PEROXIDE SOLUTION
Rapidly biodegradable.

Stearamidopropyl Dimethylamine
Rapidly biodegradable.

12.3. Bioaccumulative potential.

HYDROGEN PEROXIDE SOLUTION
Partition coefficient: n-octanol/water.
-1,57

12.4. Mobility in soil.

HYDROGEN PEROXIDE SOLUTION
Partition coefficient: soil/water.
0,2

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Avoid littering. Do not contaminate soil, sewers and waterways.
Waste transportation may be subject to ADR restrictions.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations.These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

ADR/RID Class: 5.1 UN: 2984

Packing Group: III

Label: 5.1

Nr. Kemler: 50

Limited Quantity. 5 L

Tunnel restriction code. (E)

Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS

Carriage by sea (shipping):

IMO Class: 5.1 UN: 2984

Packing Group: III

Label: 5.1

EMS: F-H, S-Q

Marine Pollutant. NO

Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS

Transport by air:

IATA: 5.1 UN: 2984

Packing Group: III

Label: 5.1

Cargo:

Packaging instructions: 555 Maximum quantity: 30 L

Pass.:

Packaging instructions: 551 Maximum quantity: 2,5 L

Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS

SECTION 15. Regulatory information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category. Cosmetic product, not relevant

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.
Point. 3

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Liq. 1	Oxidising liquid, category 1
Ox. Liq. 2	Oxidising liquid, category 2
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1A	Skin corrosion, category 1A
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

R 5	HEATING MAY CAUSE AN EXPLOSION.
R 8	CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE.
R20/22	HARMFUL BY INHALATION AND IF SWALLOWED.
R22	HARMFUL IF SWALLOWED.
R35	CAUSES SEVERE BURNS.
R38	IRRITATING TO SKIN.
R41	RISK OF SERIOUS DAMAGE TO EYES.
R50	VERY TOXIC TO AQUATIC ORGANISMS.

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY
1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments

3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
8. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
9. The Merck Index. - 10th Edition
10. Handling Chemical Safety
11. Niosh - Registry of Toxic Effects of Chemical Substances
12. INRS - Fiche Toxicologique (toxicological sheet)
13. Patty - Industrial Hygiene and Toxicology
14. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
15. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified:

08.

Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **14562**

Product name **Color.Me by Kevin.Murphy Freestyle. Lightener 450g (DECO BALAYAGE PLUS 03)**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use **Bleaching powder for hair (for cosmetic use)**

1.3. Details of the supplier of the safety data sheet

Name **HUWELL CHEMICALS S.P.A.**

Full address **Via Darwin 73/79**

District and Country **20019 Settimo Milanese (MI)**
Italy

Tel. +39 02 33501936

Fax +39 02 33576555

e-mail address of the competent person

responsible for the Safety Data Sheet **lab1@huwell.it**

1.4. Emergency telephone number

For urgent inquiries refer to

Ospedale Niguarda Ca"" Granda - Milano - 02/66101029
Azienda Ospedaliera S.G.Battista - Molinette - Torino - 011/6637637
Clinica Del Lavoro E Della Riabilitazione- Pavia - 0382/24444
Università Degli Studi Di Padova - Padova - 049/8275078 04
Istituto Scientifico G. Gaslini - Genova - 010/5636245
Azienda Ospedaliera Careggi - Firenze - 055/4277238
Policlinico A.Gemelli - Univ. Cattolica Del Sacro Cuore - Roma - 06/3054343
Centro Antiveleni - Università La Sapienza - Roma - 06/49970698
Centro Antiveleni Azienda Ospedaliera A. Cardarelli - Napoli - 081/7472870

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830.
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Acute toxicity, category 4	H302	Harmful if swallowed.
Serious eye damage, category 1	H318	Causes serious eye damage.
Skin irritation, category 2	H315	Causes skin irritation.
Specific target organ toxicity - single exposure, category 3	H335	May cause respiratory irritation.
Respiratory sensitization, category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

Signal words: Danger

Hazard statements:

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

Precautionary statements:

P261	Avoid breathing dust / fume / gas / mist / vapours / spray.
P264	Wash . . . thoroughly after handling.
P280	Wear protective gloves / eye protection / face protection.
P304+P340	IF INHALED: remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER / doctor / . . .
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Contains:

DISODIUM METASILICATE
DIPOTASSIUM PEROXODISULPHATE
AMMONIUM PEROXYDISULPHATE
TRISODIUM PHOSPHATE

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
DIPOTASSIUM PEROXODISULPHATE		
CAS 7727-21-1	25 ≤ x < 50	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317
EC 231-781-8		
INDEX 016-061-00-1		
Reg. no. 01-2119495676-19-0000		
TRISODIUM PHOSPHATE		
CAS 10101-89-0	5 ≤ x < 10	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335
EC 231-509-8		
INDEX -		
DISODIUM METASILICATE		
CAS 6834-92-0	3 ≤ x < 5	Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335
EC 229-912-9		
INDEX 014-010-00-8		
Reg. no. 01-2119449811-37-xxxx		
AMMONIUM PEROXYDISULPHATE		
CAS 7727-54-0	1 ≤ x < 5	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317
EC 231-786-5		
INDEX 016-060-00-6		
Reg. no. 01-2119495973-19-0000		
MINERAL OIL		
CAS 8042-47-5	1 ≤ x < 5	Asp. Tox. 1 H304
EC 232-455-8		
INDEX -		
Reg. no. 01-2119487078-27-0000		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.
INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT
The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.
UNSUITABLE EXTINGUISHING EQUIPMENT
None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products. The product is combustible and, when the powder is released into the air in sufficient concentrations and in the presence of a source of ignition, it can create explosive mixtures with air. Fires may start or get worse by leakage of the solid product from the container, when it reaches high temperatures or through contact with sources of ignition.

5.3. Advice for firefighters

GENERAL INFORMATION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

If there are no contraindications, spray powder with water to prevent the formation of dust.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product and place it in containers for recovery or disposal. If the product is flammable, use explosion-proof equipment. If there are no contraindications, use jets of water to eliminate product residues.
Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Store in cool (below 30 °C) and dry areas. Avoid contamination and avoid the presence of reducing agents like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the container may break. AVOID humid organic material as paper towel, wood, clothes, etc. which could induce spontaneous combustion. Protect from heat and sunlight; store in places far from rain and humidity; never store outdoors. Store separately from other dangerous and incompatible substances.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ESP

España	INSHT - Límites de exposición profesional para agentes químicos en España 2017
TLV-ACGIH	ACGIH 2017

DIPOTASSIUM PEROXODISULPHATE

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,0763	mg/l
Normal value in marine water	0,011	mg/l
Normal value for fresh water sediment	0,275	mg/kg
Normal value for marine water sediment	0,0396	mg/kg
Normal value for water, intermittent release	0,763	mg/l
Normal value of STP microorganisms	3,6	mg/l
Normal value for the terrestrial compartment	0,015	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic

Oral		30 mg/kg bw/d		9,1 mg/kg bw/d				
Inhalation	295 mg/m3	295 mg/m3	1,03 mg/m3	1,03 mg/m3		590 mg/m3	2,06 mg/m3	2,06 mg/m3
Skin	1,124 mg/cm2	200 mg/kg bw/d	0,051 mg/cm2	9,1 mg/kg bw/d	2,248 mg/cm2	400 mg/kg bw/d	0,102 mg/cm2	18.2 mg/kg bw/d

AMMONIUM PEROXYDISULPHATE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
VLA					
	ESP	0,1			
TLV-ACGIH					
		0,1			

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,0763	mg/l
Normal value in marine water	0,011	mg/l
Normal value for fresh water sediment	0,275	mg/kg
Normal value for marine water sediment	0,0396	mg/kg
Normal value for water, intermittent release	0,763	mg/l
Normal value of STP microorganisms	3,6	mg/l
Normal value for the terrestrial compartment	0,015	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic
Oral		30 mg/kg bw/d		9,1 mg/kg bw/d				
Inhalation	295 mg/m3	295 mg/m3	1,03 mg/m3	1,03 mg/m3		590 mg/m3	2,06 mg/m3	2,06 mg/m3
Skin	1,124 mg/cm2	200 mg/kg bw/d	0,051 mg/cm2	9,1 mg/kg bw/d	2,248 mg/cm2	400 mg/kg bw/d	0,102 mg/cm2	18,2 mg/kg bw/d

DISODIUM METASILICATE

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic
Oral				0,74 mg/kg bw/d				
Inhalation				1,55 mg/m3		6,22		6,22 mg/m3
Skin				0,74 mg/kg bw/d				1,49 mg/kg bw/d

MINERAL OIL

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH					
		5			

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic
Oral			VND	40 mg/kg bw/d				
Inhalation			VND	35 mg/m3			VND	160 mg/m3
Skin			VND	220 mg/kg bw/d			VND	220 mg/kg bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for inert particulate not otherwise classified (PNOC respirable fraction: 3 mg/m3; PNOC inhalable fraction: 10 mg/m3). For values above these limits, use a P type filter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION
In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).
Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION
Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION
Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

RESPIRATORY PROTECTION
Use a type P filtering facemask, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment (see standard EN 149).

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	powder
Colour	off white
Odour	characteristic
Odour threshold	Not available
pH	9,6-10,6
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	partially soluble
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

DISODIUM METASILICATE
The aqueous solutions act as: strong bases.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

The powders are potentially explosive when mixed with air.

DISODIUM METASILICATE
May react dangerously with: fluorine,lithium.

10.4. Conditions to avoid

Avoid environmental dust build-up.

10.5. Incompatible materials

DISODIUM METASILICATE
The aqueous solution is incompatible with: acids,organic anhydrides,acrilates,alcohols,aldehydes,alkyl oxides,cresoles,caprolactam,epichlorohydrin,ethylene dichloride,glycols,isocyanates,ketones,nitrates,phenoles,vinyl acetate.

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:Not classified (no significant component)
LD50 (Oral) of the mixture:1843,39 mg/kg
LD50 (Dermal) of the mixture:Not classified (no significant component)

TRISODIUM PHOSPHATE

LD50 (Oral) > 2000 mg/kg

LD50 (Dermal) > 2000 mg/kg

LC50 (Inhalation) > 0,83 mg/l

DIPOTASSIUM PEROXODISULPHATE

LD50 (Oral) 1130 mg/kg (ratto)

LD50 (Dermal) > 10000 mg/kg (coniglio)

LC50 (Inhalation) > 42,9 mg/l (ratto)

DISODIUM METASILICATE

LD50 (Oral) 1152 mg/kg bw (Ratto)

LD50 (Dermal) > 5000 mg/kg bw (Ratto)

LC50 (Inhalation) > 2,06 g/m3 (Ratto)

AMMONIUM PEROXYDISULPHATE

LD50 (Oral) 272 mg/kg Rat

LD50 (Dermal) > 2000 mg/kg Rat

LC50 (Inhalation) > 5,1 mg/l/4h Rat

SKIN CORROSION / IRRITATION

Causes skin irritation
SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage
RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skinSensitising for the respiratory system
GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause respiratory irritation
STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

MINERAL OIL	
EC50 - for Crustacea	100 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	100 mg/l/72h Pseudokirchneriella subcapitata
TRISODIUM PHOSPHATE	
LC50 - for Fish	> 100 mg/l/96h (Oncorhynchus mykiss -Trota iridea) Linee Guida 203 per il Test dell'OECD
EC50 - for Crustacea	> 100 mg/l/48h (Daphnia magna -Pulce d'acqua grande) OECD TG 202
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h (Desmodesmus subspicatus - alga verde) OECD TG 201
DIPOTASSIUM PEROXODISULPHATE	
LC50 - for Fish	107,6 mg/l/96h Scophthalmus maximus
EC50 - for Crustacea	120 mg/l/48h (daphnia)
EC50 - for Algae / Aquatic Plants	320 mg/l/72h Phaeodactylum
DISODIUM METASILICATE	
LC50 - for Fish	1108 mg/l/96h (Brachydanio rerio)
EC50 - for Crustacea	1700 mg/l/48h (Daphnia magna)
EC50 - for Algae / Aquatic Plants	207 mg/l/72h (Schenedesmus subspicatus)
AMMONIUM PEROXYDISULPHATE	
LC50 - for Fish	107,6 mg/l/96h Scophthalmus maximus
EC50 - for Crustacea	120 mg/l/48h (Daphnia magna)
EC50 - for Algae / Aquatic Plants	320 mg/l/72h Phaeodactylum
EC10 for Algae / Aquatic Plants	36 mg/l/72h Pseudomonas putida

12.2. Persistence and degradability

DIPOTASSIUM PEROXODISULPHATE

Rapidly degradable

DISODIUM METASILICATE

Solubility in water 210000 mg/l

Degradability: information not available

AMMONIUM PEROXYDISULPHATE

Solubility in water > 10000 mg/l

Degradability: information not available

12.3. Bioaccumulative potential
Information not available

12.4. Mobility in soil
Information not available

12.5. Results of PBT and vPvB assessment
On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.
12.6. Other adverse effects
Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Contained substance

Point	65	AMMONIUM PEROXYDISULPHATE Reg. no.: 01-2119495973-19-0000
Point	65	AMMONIUM DIHYDROGEN PHOSPHATE

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisarion (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Sol. 3	Oxidising solid, category 3
Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Resp. Sens. 1	Respiratory sensitization, category 1
Skin Sens. 1	Skin sensitization, category 1
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY
1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website

- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy
Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:
The following sections were modified:
03 / 08 / 12 / 16.

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product identifier

COSMETIC PRODUCT – HAIR COLORANT PERMANENT, OXIDATIVE PART UNDER THE BRAND COLORME

Relevant identified uses of the product and uses advised against

Family: OXIDATIVE EMULSION
Cosmetic Form: Oxidising component for use in combination with colouring agents to colour hair.
To be mixed immediately prior to use with oxidative part

Distributed by: PETTENON COSMETICS
VIA DEL PALU'
35018 SAN MARTINO DI LUPARI
Tel. +39 049 99888
Fax. +39 049 9988809
safetydoc@pettenon.it

Emergency telephone number

(+39) 0499988800

2. HAZARDS IDENTIFICATION

Classification of the product

Cosmetic products are exempt from classification by article 1.5(c) of Regulation (EC) Nº 1272/2008 on classification, labelling and packaging of substances and mixtures.

Label elements

Not applicable as per the reason above-mentioned

Other hazards

Causes skin irritation and serious eye irritation.
May cause an allergic skin reaction.
Read carefully the warning on the label:
Contains hydrogen peroxide. Avoid contact with eyes. Rinse immediately if product comes into contact with them.
Wear suitable gloves.

3. COMPOSITION/INFORMATION ON INGREDIENTS

When used according to the manufacturer's instructions the product is safe for human use and for the environment.

Corrisponding Frame formulation: 11.8 – 2013

The complete list of ingredients is indicated on the packaging of the individual products, according to Regulation (EC) No. 1223/2009 on Cosmetic Products.
The maximum concentration allowed in hair cosmetic products is 12% (40 volumes).

4. FIRST AID MEASURES

Measures in the event of
– Inadvertent contact with eyes: rinse thoroughly with plenty of lukewarm water immediately then consult an ophthalmologist.
– Inadvertent ingestion of larger amounts: do not induce vomiting. Rinse out mouth and drink about one glass of water. Then consult Poison Control Centre or doctor as a precautionary measure.
– Discomfort on contact with skin: immediately wash off with plenty of water; skincare. Remove contaminated clothing and towels. If skin irritation persists, consult doctor.
When consulting a doctor or a Poison Control Centre always have packaging or label and possibly package insert available.

5. FIREFIGHTING MEASURES

All common extinguishing agents are suitable.

6. ACCIDENTAL RELEASE MEASURES

In the event of spillage/leakage: mop up main volume with cloths; when larger amounts are involved, dispose of cloths or mopping up material by controlled disposal. Remove rest with plenty of water and common cleaning agent. Wear suitable protective gloves (see 7.)
Packaging should be recycled after residual emptying. Filled, unused packages must be disposed of separately in accordance with the waste management directives of the municipality.

7. HANDLING AND STORAGE

Must be used in accordance with manufacturer's instructions. Wear gloves (single-use gloves in accordance with DIN EN 374 of PVC or nitrile). Observe warnings on packaging.

Avoid contact with eyes and facial skin by all means. Mix and use only in well-ventilated rooms. Avoid intensive inhalation.
Store in a cool and dry place (room temperature). Reseal container after use. Avoid contact with metal.
Heat or the import of impurities into the container can lead to decomposition and over-pressure.
Product may cause or intensify fire; oxidizer. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep/store away from clothing/combustible materials. Do not mix with flammable and/or reducing substances such as permanent wave lotions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational limit values: Not applicable for cosmetic products.

Exposure controls

Individual and occupational protection measures:
a) Eye/face protection: Not needed.
b) Skin protection: Not needed.
c) Respiratory protection: Not needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Aspect: liquid to cream
Colour: characteristic

10. STABILITY AND REACTIVITY

Reactivity

None if used for intended purpose.

Chemical stability

Stable if stored and handled as indicated in the packaging.

Possibility of hazardous reactions

None if used for intended purpose.

Conditions to avoid

None if used for intended purpose.

Incompatible materials

None known.

Hazardous decomposition products

None if used for intended purpose.

11. TOXICOLOGICAL INFORMATION

According to its own toxicological profile, each ingredient is found in the product at a safe concentration considering the exposure levels established for a normal use of this cosmetic product.

12. ECOLOGICAL INFORMATION

Exempted according to article 31 of Regulation Nº 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

13. DISPOSAL CONSIDERATIONS

Consult applicable Local Regulations.

14. TRANSPORT INFORMATION (ADR, IMO-IMDG AND OAC/IATA)

Not hazardous according to RID, ADR, IMGD, IATA

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

See point 2.

Chemical safety assessment

The product does not show any foreseeable risk to human health under conditions of normal use if all the safety instructions are followed.

16. OTHER INFORMATION

This Safety Data Sheet is only for information purposes. Cosmetic products are exempted from having Safety Data Sheet by

article 2.6(b) of Regulation (EC) Nº 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

This safety data sheet cancels and replaces any previous edition.

PRODUCT LIST:

AAKEVIN11610	COLOR.ME BY KEVIN MURPHY CREAM ACTIVATOR 3 % 10 VOL 1000 ML (EU)
AAKEVIN11611	COLOR.ME BY KEVIN MURPHY CREAM ACTIVATOR 6% 20 VOL 1000 ML (EU)
AAKEVIN11612	COLOR.ME BY KEVIN MURPHY CREAM ACTIVATOR 9% 30 VOL 1000 ML (EU)
AAKEVIN11613	COLOR.ME BY KEVIN MURPHY CREAM ACTIVATOR 12% 40 VOL 1000 ML (EU)
AAKEVIN11609	COLOR.ME BY KEVIN MURPHY CREAM ACTIVATOR 1 % 3.5 VOL 1000 ML (EU)
AAKEVIN11584	COLOR.ME BY KEVIN MURPHY CREAM ACTIVATOR1 % 3.5 VOL 1000 ML (USA)
AAKEVIN11585	COLOR.ME BY KEVIN MURPHY CREAM ACTIVATOR3 % 10 VOL 1000 ML (USA)
AAKEVIN11586	COLOR.ME BY KEVIN MURPHY CREAM ACTIVATOR6% 20 VOL 1000 ML (USA)
AAKEVIN11587	COLOR.ME BY KEVIN MURPHY CREAM ACTIVATOR9% 30 VOL 1000 ML (USA)
AAKEVIN11589	COLOR.ME BY KEVIN MURPHY CREAM ACTIVATOR12% 40 VOL 1000 ML (USA)
AAKEVIN11591	COLOR.ME BY KEVIN MURPHY CREAM ACTIVATOR 20 VOL 125 ML