

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2020-03-30
Revision date: 2020-03-25

SECTION 1: Identification

Product identifier: Olaplex No. 0 Intensive Bond Building Treatment
Application of the substance: Personal care product
Product details: Bond Builder
Manufacturer:
Name: Olaplex, INC
Address: 1187 Coast village Road Suite #1-520
Santa Barbara, 930108

In case of medical emergencies, please contact your local poison control center.
Transportation emergency (24 hour), contact:
CHEMTREC - Phone # 1-800-565-9300

SECTION 2: Hazards identification

OSHA/HCS Status: This mixture is not considered hazardous by the OSHA Hazardous Communication Standard (29CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Classification of the mixture: None

Hazard pictograms: N/A

Signal word: None

Hazard statements:

Precautionary statements:

P233 Keep container tightly closed.
P404 Store in a closed container.

SECTION 3: Composition/information on ingredients

Chemical nature: Water based organic salt dispersion

Hazardous ingredients: N/A

Additional information: There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence reporting in this section.

SECTION 4: First aid measures

Description of first aid measures

General information: Check vital functions. Prevent cooling by covering the victim. Keep watching victim. Give physiological aid. Keep victim calm, avoid physical strain. Never give alcohol to drink.

Following inhalation: If inhaled, remove to fresh air. Get medical attention if symptoms occur.

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Following skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes.

Following eye contact: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

Following ingestion: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed

Potential acute health effects

Inhalation: No known effects of critical hazards

Skin contact: No known effects of critical hazards

Eye contact: No known effects of critical hazards

Ingestion: No known effects of critical hazards

Over exposure signs and symptoms

Inhalation: No known effects of critical hazards

Skin contact: No known effects of critical hazards

Eye contact: No known effects of critical hazards

Ingestion: No known effects of critical hazards

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None

Special hazards arising from the mixture: In a fire if heated, a pressure increase may occur and the container may burst. Vapors may form explosive mixtures with air.

Hazardous combustion products: Carbon Oxides

Protective equipment for fire fighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in a positive pressure mode.

Flash point: > 100°C (Calculated)

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through the spilled material. Put on appropriate personal protective equipment.

Protective equipment: None under normal use conditions

Emergency procedures: Keep upwind. Mark the area of release. Consider evacuation if necessary. Wash any contaminated clothing.

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For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, air).

Methods and material for containment and cleaning up

Methods for containment: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulation.

Additional information: See Section 1 for contact information and Section 13 for waste disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling: Keep container closed when not in use.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container closed, dry and at a reasonable temperature.

Materials to avoid: None

Specific end uses: Personal Care/Cosmetics

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits:

N/A	N/A	N/A
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Environmental exposure controls: Environmental guidelines are not relevant when product is used as intended in a household setting.

Consumer exposure control: Exposure guidelines are not relevant when product is used as intended in a household setting.

Personal protective equipment

Eye Protection: No special protective equipment required

Hand Protection: No special protective equipment required

Skin and Body Protection: No special protective equipment required

Respiratory Protection: No special protective equipment required

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SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical/Chemical Property	Value/Range	Remark
Physical state @ 20°C	Liquid	
Appearance	Clear, Water-thin	
Color	Light Yellow	
Odor	Unfragranced	
pH	4.2 – 4.6	
Melting point/freezing point (°C)	N/A	
Boiling point/boiling range (°C)	N/A	
Flash point (°C)	> 100	
Evaporation rate	N/A	
Flammability (solid, gas)	N/A	
Flammability limits		
Upper flammability limits (%)	N/A	
Lower flammability limits (%)	N/A	
Vapor pressure (mmHG)	N/A	
Vapor density (Air)	N/A	
Relative density (SG)	1.00 – 1.05	
Solubility (H ₂ O)	N/A	
Partition coefficient: n-octanol/water	N/A	
Auto-ignition temperature	N/A	
Decomposition temperature	N/A	
Viscosity		
Dynamic Viscosity (cP)	N/A	

SECTION 10: Stability and reactivity

Reactivity: Not classified as a reactivity hazard.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Heat, cold, direct sunlight

Incompatible materials: Oxidizing agents

Hazardous decomposition products: Carbon Dioxide, Carbon Monoxide

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SECTION 11: Toxicological information

Information on toxicological effects

Likely routes of exposure: Skin and eye contact

Acute toxicity

Classification: Not classified based on available information

Skin corrosion/irritation

In-vitro skin test: No information available.

Classification: Not classified based on available information

Eye damage/irritation

In vitro eye test: No information available.

Classification: Not classified based on available information

Sensitization to the respiratory tract

Classification: Not classified based on available information

Skin sensitization

Classification: Not classified based on available information

Germ cell mutagenicity

In vitro mutagenicity: No information available.

Classification: Not classified based on available information

Carcinogenicity

Classification: Not classified based on available information

Reproductive toxicity

Classification: Not classified based on available information

Specific target organ toxicity (single exposure)

Classification: Not classified based on available information

Specific target organ toxicity (repeated exposure)

Classification: Not classified based on available information

Aspiration hazard

Classification: Not classified based on available information.

Symptoms related to the physical, chemical and toxicological characteristics:

Effects after ingestion: No Known Effects.

Effects after skin contact: No Known Effects.

Effects after inhalation: No Known Effects.

Effects after eye contact: No Known Effects.

Chronic Symptoms: No Known Effects.

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SECTION 12: Ecological information

Toxicity

Classification: Not classified based on available information

Persistence and degradability

Classification: Not classified based on available information

Bio-accumulative potential

Classification: Not classified based on available information

Mobility in soil

Classification: Not classified based on available information

SECTION 13: Disposal considerations

Waste treatment methods

Product disposal: Disposal of this product, solutions and any byproducts should at all times comply with the requirements of the environmental protection and waste disposal legislation and any regional local authority. This material and its container must be disposed of in a safe way.

Packaging: Waste packaging should be recycled. Empty containers or liners may retain some product residues.

Waste treatment options: Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Other disposal recommendations: Dispose of the surplus and non-recyclable products via a licensed waste disposal contractor. Incineration or landfill should only be considered when recycling is not feasible.

Additional information: The generation of waste should be avoided or minimized wherever possible. Avoid dispersals of spilled material and runoff and contact with soil, waterways, drains and sewers.

California Hazardous Waste Codes: 561
(Non-household setting)

SECTION 14: Transport information

	DOT	IMDG	IATA-DGR
UN Number	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping name			
Transport hazard Class(es)			
Hazard label(s)			
Packing Group			

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Environmental Hazards			
Additional Information			

Special precautions for user: None

SECTION 15: Regulatory information

U.S. Federal regulations:

TSCA 8(d) H and S data reporting: Not applicable

SARA 302/304: Not applicable

SARA 311/312: Not applicable

SARA 313: Not applicable

National regulations: No additional information available

EU regulations: No additional information available

Other EU regulations: No additional information available

VOC content (% by w/w): Not applicable

US State RTK regulations: Not applicable

California Proposition 65: Not applicable

SECTION 16: Other information

Classification for mixtures according to regulation (EC) 1207/2008

Risk phrases:

R36 Irritating to eyes.

Safety phrases:

S07 Keep container tightly closed.

Supplemental Hazard information:

N/A

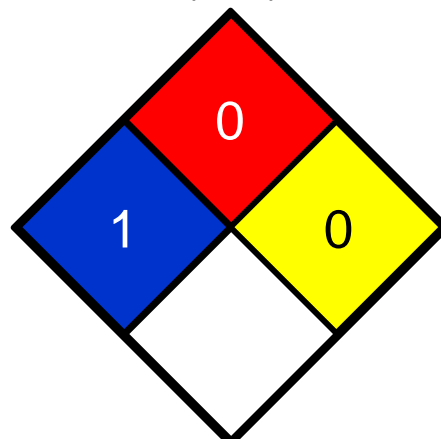
Further information: none

Indication of changes: initial

**Hazardous Materials Identification System
(HMIS)**

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	0

**National Fire Protection Association
(NFPA)**



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Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Blue: Health hazard Red: Fire hazard Yellow: Reactivity hazard White: Special hazard

Abbreviations and acronyms:

ADN =	European Agreement concerning the International Carriage of Dangerous Goods by Waterway	IMDG =	International Marine Dangerous Goods
ADR =	European Agreement concerning the International Carriage of Dangerous Goods by Road	LogPow =	Logarithm of the Octanol/Water partition coefficient
ATE =	Acute Toxicity Estimate	MARPOL 73/78 =	International Convention on the Prevention of Pollution from Ships
BCF =	Bio-concentration Factor	PEL =	Permissible Exposure Limits
BEI =	Biological Exposure Limits	REL =	Recommended Exposure Limits
DOT =	Department of Transportation	RID =	European Agreement concerning the International Carriage of Dangerous Goods by Rail
GHS =	Globally Harmonized System of Classification and Labeling of Chemicals	STEL =	Short-Term Exposure Limits
IATA =	International Air Transport Association	TLV =	Threshold Limit Values
IBC =	Intermediate Bulk Container	TWA =	Time Weighted Average
ICAO =	International Civil Aviation Organization	UN =	United Nations
IDLH =	Immediately Dangerous		

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or the completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

SAFETY DATA SHEET --Finished Product.

SECTION 1 - IDENTIFICATION

Finished Product Name:
Product identifier OLAPLEX NO.1 BOND MULTIPLIER
Product Name

Other means of identification

Product Code 5457034VF32367
Synonyms None
Company Name: Olaplex, Inc.
Address: 1187 Coast Village Road, Suite #1-520
Santa Barbara, 93108
Phone: 805-565-1269

In case of medical emergencies, please contact your local poison control center.

Transportation emergency (24 hour), contact:
CHEMTREC - Phone # 1-800-565-9300

Date: June-2014

Updated: March 31, 2020

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use.

POTENTIAL HEALTH EFFECTS:

Eye: Contact may cause mild, transient irritation. Some redness and/or stinging may occur.

Skin: Not expected to be irritating, sensitizing, photoallergenic or phototoxic when used as intended. If irritation occurs following intended use or prolonged contact it is expected to be mild and transient.

Inhalation: Not expected to be irritating to the respiratory system. Not volatile therefore limited inhalation exposure anticipated.

Ingestion: Product used as intended is not expected to cause gastrointestinal irritation. Accidental ingestion of undiluted product may cause mild gastrointestinal irritation with nausea, vomiting and diarrhea.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

The complete ingredient list for the finished product(s) is as follows:

IDENTITY	CAS#	TLV%
BIS-AMINOPROPYL DIGLYCOL DIMALEATE	1629579-82-3	15-30 not established
WATER	7732-18-5	70-85 not established
SODIUM BENZOATE	532-32-1	.30 not established
PHENOXYETHANOL	590-00-1	.70 not established

The product(s) does not contain ingredients considered hazardous as defined by OSHA, 29 CFR 1910.1200 and/or WHMIS under the HPA.

Finished Product Name: OLAPLEX NO.1 BOND MULTIPLIER

SECTION 4 - FIRST AID MEASURES

Eye: Thorough rinsing for 15-20 minutes of the affected eye with water is recommended. If discomfort or irritation persists, contact a physician.

Skin Problem: Discontinue use of product. Apply cold compresses to affected areas to relieve any discomfort. If discomfort persists, contact a physician.

Inhalation: If respiratory irritation occurs, remove individual to fresh air.

Ingestion: Accidental ingestion of product may necessitate medical attention. In case of accidental ingestion dilute with fluids (water or milk) and treat symptomatically. Do not induce vomiting. Note: After first aid treatment, the caller should be advised that 1) a hospital emergency room or family physician should be consulted if anything unusual occurs or appears necessary in the judgment of the caller, and 2) that the subsequent management of the accident should be dictated by any persistent symptoms and under the direction of the physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Flash Point: Not applicable.

Extinguishing Media: Use chemical foam, dry chemical, carbon dioxide or water.

Explosion Hazard: No applicable information has been found.

Fire Fighting Instructions: Contact emergency personnel. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen; hydrocarbons and/or derivatives.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Spill/Leak Clean-up:

For Household Settings: Dilute with water. Absorb liquid and scrub the area with detergent.

For Non-Household Settings: Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots, etc) to prevent skin contact.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling:

For Household Settings: No applicable information has been found.

For Non-Household Settings: No unusual handling or storage requirements. Storage in large quantities (as in warehouses) should be in a well-ventilated, cool area.

Conditions for Safe Storage:

For Household Settings: No applicable information has been found.

For Non-Household Settings: No unusual handling or storage requirements. Storage in large quantities (as in warehouses) should be in a well-ventilated, cool area.

Other Recommendations: None.

Finished Product Name: OLAPLEX NO.1 BOND MULTIPLIER

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

For Household Settings: This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseen use.

For Non-Household Settings: Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots, etc) to prevent skin contact. Always follow good hygienic work practices. Avoid prolonged contact with skin and clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear golden yellow liquid---to match standard

Odor: Mild Odor---to match standard

Color: Clear golden yellow-to match std

pH: 3.50 - 4.20

Specific Gravity: 1.05

Flashpoint: Not applicable.

Vapor Density: Not applicable.

Melting Point: Not applicable.

Boiling Point: >100 C at 10mm

Solubility in Water: slightly

% VOC: Complies with Federal and State regulations for VOC content.

SECTION 10 - STABILITY AND REACTIVITY

Conditions to Avoid: No applicable information has been found.

Other Recommendations: None.

Finished Product Name: OLAPLEX NO.1 BOND MULTIPLIER

SECTION 11 - TOXICOLOGICAL INFORMATION

This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use.

Chronic Effects: Finished product is not expected to have chronic health effects.

Target Organs: No adverse health effects on target organs expected for finished product.

Carcinogenicity: Finished product is not expected to be carcinogenic.

NTP: No

IARC: No

OSHA: No

SECTION 12 - ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be in accordance with Federal, State/Provincial and Local regulations.

For Household Settings: The following instructions are for consumer usage only. Do not discharge product into natural waters without pre-treatment or adequate dilution.

For Non-Household Settings: Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

Finished packaged product transported by ground (DOT): Non hazardous - Not regulated

Finished packaged product transported by vessel (IMDG): Non hazardous - Not regulated

Finished packaged product transported by air (IATA): Non hazardous - Not regulated

SECTION 15 - REGULATORY INFORMATION

Regulated as a Cosmetic and/or Drug under FDA (US), HPB (Canada), Cosmetic Directive (EU).

Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Finished Product Name: OLAPLEX NO.1 BOND MULTIPLIER**SECTION 16 - OTHER INFORMATION INCLUDING DATE OF PREPARATION OF THE LATEST REVISION**

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

<u>NFPA</u>	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 0	Flammability 1	Physical hazards 0	Personal protection C

Issue Date 07-Feb-2018**Revision Date** 20-Mar-2020**Revision Note** This document replaces the version dated February 7, 2018 and all previous versions of safety data sheets related to this product.**End of Safety Data Sheet**

SAFETY DATA SHEET --Finished Product.

SECTION 1 - IDENTIFICATION

Finished Product Name:

Product identifier
Product Name OLAPLEX NO. 2 BOND PERFECTOR

Other means of identification

Product Code 5457035MV31082
Synonyms None

Company Name: Olaplex, Inc.

Address: 1187 Coast Village Road, Suite #1-520
Santa Barbara, 93108

Phone: 805-565-1269

In case of medical emergencies, please contact your local poison control center.

Transportation emergency (24 hour), contact:

CHEMTREC - Phone # 1-800-565-9300

Date: June-2014

Updated: June 27, 2021

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use.

POTENTIAL HEALTH EFFECTS:

Eye: Contact may cause mild, transient irritation. Some redness and/or stinging may occur.

Skin: Not expected to be irritating, sensitizing, photoallergenic or phototoxic when used as intended. If irritation occurs following intended use or prolonged contact it is expected to be mild and transient.

Inhalation: Not expected to be irritating to the respiratory system. Not volatile therefore limited inhalation exposure anticipated.

Ingestion: Product used as intended is not expected to cause gastrointestinal irritation. Accidental ingestion of undiluted product may cause mild gastrointestinal irritation with nausea, vomiting and diarrhea.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

The complete ingredient list for the finished product(s) is as follows:

Water (Aqua), Bis-Aminopropyl Diglycol Dimaleate, Propylene Glycol, Cetearyl Alcohol, Behentrimonium Methosulfate, Cetyl Alcohol, Phenoxyethanol, Glycerin, Hydroxyethyl Ethylcellulose, Stearamidopropyl Dimethylamine, Quaternium-91, Sodium Benzoate, Cetrimonium Methosulfate, Cetrimonium Chloride, Fragrance (Parfum), Polyquaternium-37, Tetrasodium EDTA, Benzyl Benzoate, Etidronic Acid, Ascorbic Acid, Phytantriol, Tocopheryl Acetate, Aloe Barbadensis Leaf Juice, Panthenol, Simmondsia Chinensis (Jojoba) Seed Oil, Citric Acid, Potassium Sorbate

The product(s) does not contain ingredients considered hazardous as defined by OSHA, 29 CFR 1910.1200 and/or WHMIS under the HPA.

Finished Product Name: OLAPLEX NO. 2 BOND PERFECTOR

SECTION 4 - FIRST AID MEASURES

Eye: Thorough rinsing for 15-20 minutes of the affected eye with water is recommended. If discomfort or irritation persists, contact a physician.

Skin Problem: Discontinue use of product. Apply cold compresses to affected areas to relieve any discomfort. If discomfort persists, contact a physician.

Inhalation: If respiratory irritation occurs, remove individual to fresh air.

Ingestion: Accidental ingestion of product may necessitate medical attention. In case of accidental ingestion dilute with fluids (water or milk) and treat symptomatically. Do not induce vomiting. Note: After first aid treatment, the caller should be advised that 1) a hospital emergency room or family physician should be consulted if anything unusual occurs or appears necessary in the judgment of the caller, and 2) that the subsequent management of the accident should be dictated by any persistent symptoms and under the direction of the physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Flash Point: Not applicable.

Extinguishing Media: Use chemical foam, dry chemical, carbon dioxide or water.

Explosion Hazard: No applicable information has been found.

Fire Fighting Instructions: Contact emergency personnel. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen; hydrocarbons and/or derivatives.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Spill/Leak Clean-up:

For Household Settings: Dilute with water. Absorb liquid and scrub the area with detergent.

For Non-Household Settings: Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots, etc) to prevent skin contact.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling:

For Household Settings: No applicable information has been found.

For Non-Household Settings: No unusual handling or storage requirements. Storage in large quantities (as in warehouses) should be in a well-ventilated, cool area.

Conditions for Safe Storage:

For Household Settings: No applicable information has been found.

For Non-Household Settings: No unusual handling or storage requirements. Storage in large quantities (as in warehouses) should be in a well-ventilated, cool area.

Other Recommendations: None.

Finished Product Name: OLAPLEX NO. 2 BOND PERFECTOR

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

For Household Settings: This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseen use.

For Non-Household Settings: Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots, etc) to prevent skin contact. Always follow good hygienic work practices. Avoid prolonged contact with skin and clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Opaque emulsion-to match std

Odor: Herbal floral-to match std

Color: White to off-white-to match std

pH: 3.50 - 5.00

Specific Gravity: 0.98 - 1.02

Flashpoint: Not applicable.

Vapor Density: Not applicable.

Melting Point: Not applicable.

Boiling Point: >212 F (100 C)

Solubility in Water: Dispersible

% VOC: Complies with Federal and State regulations for VOC content.

SECTION 10 - STABILITY AND REACTIVITY

Conditions to Avoid: No applicable information has been found.

Other Recommendations: None.

Finished Product Name: OLAPLEX NO. 2 BOND PERFECTOR

SECTION 11 - TOXICOLOGICAL INFORMATION

This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use.

Chronic Effects: Finished product is not expected to have chronic health effects.

Target Organs: No adverse health effects on target organs expected for finished product.

Carcinogenicity: Finished product is not expected to be carcinogenic.

NTP: No

IARC: No

OSHA: No

SECTION 12 - ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be in accordance with Federal, State/Provincial and Local regulations.

For Household Settings: The following instructions are for consumer usage only. Do not discharge product into natural waters without pre-treatment or adequate dilution.

For Non-Household Settings: Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

Finished packaged product transported by ground (DOT): Non hazardous - Not regulated

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Finished packaged product transported by air (IATA): Non hazardous - Not regulated

SECTION 15 - REGULATORY INFORMATION

Regulated as a Cosmetic and/or Drug under FDA (US), HPB (Canada), Cosmetic Directive (EU).

Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Finished Product Name: OLAPLEX NO. 2 BOND PERFECTOR**SECTION 16 - OTHER INFORMATION INCLUDING DATE OF PREPARATION OF THE LATEST REVISION**

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

<u>NFPA</u>	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection C

Issue Date	07-Feb-2018
Revision Date	27-June-2021
Revision Note	4

End of Safety Data Sheet

SAFETY DATA SHEET --Finished Product.

SECTION 1 - IDENTIFICATION

Finished Product Name:

Product identifier
Product Name OLAPLEX NO.3 HAIR PERFECTOR

Other means of identification

Product Code 5457035MV31082
Synonyms None

Company Name: Olaplex, Inc.

Address: 1187 Coast Village Road, Suite #1-520
Santa Barbara, 93108

Phone: 805-565-1269

In case of medical emergencies, please contact your local poison control center.

Transportation emergency (24 hour), contact:

CHEMTREC - Phone # 1-800-565-9300

Date: June-2014

Updated: June 27, 2021

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use.

POTENTIAL HEALTH EFFECTS:

Eye: Contact may cause mild, transient irritation. Some redness and/or stinging may occur.

Skin: Not expected to be irritating, sensitizing, photoallergenic or phototoxic when used as intended. If irritation occurs following intended use or prolonged contact it is expected to be mild and transient.

Inhalation: Not expected to be irritating to the respiratory system. Not volatile therefore limited inhalation exposure anticipated.

Ingestion: Product used as intended is not expected to cause gastrointestinal irritation. Accidental ingestion of undiluted product may cause mild gastrointestinal irritation with nausea, vomiting and diarrhea.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

The complete ingredient list for the finished product(s) is as follows:

Water (Aqua), Bis-Aminopropyl Diglycol Dimaleate, Propylene Glycol, Cetearyl Alcohol, Behentrimonium Methosulfate, Cetyl Alcohol, Phenoxyethanol, Glycerin, Hydroxyethyl Ethylcellulose, Stearamidopropyl Dimethylamine, Quaternium-91, Sodium Benzoate, Cetrimonium Methosulfate, Cetrimonium Chloride, Fragrance (Parfum), Polyquaternium-37, Tetrasodium EDTA, Benzyl Benzoate, Etidronic Acid, Ascorbic Acid, Phytantriol, Tocopheryl Acetate, Aloe Barbadensis Leaf Juice, Panthenol, Simmondsia Chinensis (Jojoba) Seed Oil, Citric Acid, Potassium Sorbate

The product(s) does not contain ingredients considered hazardous as defined by OSHA, 29 CFR 1910.1200 and/or WHMIS under the HPA.

Finished Product Name: OLAPLEX NO.3 HAIR PERFECTOR

SECTION 4 - FIRST AID MEASURES

Eye: Thorough rinsing for 15-20 minutes of the affected eye with water is recommended. If discomfort or irritation persists, contact a physician.

Skin Problem: Discontinue use of product. Apply cold compresses to affected areas to relieve any discomfort. If discomfort persists, contact a physician.

Inhalation: If respiratory irritation occurs, remove individual to fresh air.

Ingestion: Accidental ingestion of product may necessitate medical attention. In case of accidental ingestion dilute with fluids (water or milk) and treat symptomatically. Do not induce vomiting. Note: After first aid treatment, the caller should be advised that 1) a hospital emergency room or family physician should be consulted if anything unusual occurs or appears necessary in the judgment of the caller, and 2) that the subsequent management of the accident should be dictated by any persistent symptoms and under the direction of the physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Flash Point: Not applicable.

Extinguishing Media: Use chemical foam, dry chemical, carbon dioxide or water.

Explosion Hazard: No applicable information has been found.

Fire Fighting Instructions: Contact emergency personnel. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen; hydrocarbons and/or derivatives.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Spill/Leak Clean-up:

For Household Settings: Dilute with water. Absorb liquid and scrub the area with detergent.

For Non-Household Settings: Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots, etc) to prevent skin contact.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling:

For Household Settings: No applicable information has been found.

For Non-Household Settings: No unusual handling or storage requirements. Storage in large quantities (as in warehouses) should be in a well-ventilated, cool area.

Conditions for Safe Storage:

For Household Settings: No applicable information has been found.

For Non-Household Settings: No unusual handling or storage requirements. Storage in large quantities (as in warehouses) should be in a well-ventilated, cool area.

Other Recommendations: None.

Finished Product Name: OLAPLEX NO.3 HAIR PERFECTOR

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

For Household Settings: This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseen use.

For Non-Household Settings: Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots, etc) to prevent skin contact. Always follow good hygienic work practices. Avoid prolonged contact with skin and clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Opaque emulsion-to match std

Odor: Herbal floral-to match std

Color: White to off-white-to match std

pH: 3.50 - 5.00

Specific Gravity: 0.98 - 1.02

Flashpoint: Not applicable.

Vapor Density: Not applicable.

Melting Point: Not applicable.

Boiling Point: >212 F (100 C)

Solubility in Water: Dispersible

% VOC: Complies with Federal and State regulations for VOC content.

SECTION 10 - STABILITY AND REACTIVITY

Conditions to Avoid: No applicable information has been found.

Other Recommendations: None.

Finished Product Name: OLAPLEX NO.3 HAIR PERFECTOR

SECTION 11 - TOXICOLOGICAL INFORMATION

This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use.

Chronic Effects: Finished product is not expected to have chronic health effects.

Target Organs: No adverse health effects on target organs expected for finished product.

Carcinogenicity: Finished product is not expected to be carcinogenic.

NTP: No

IARC: No

OSHA: No

SECTION 12 - ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be in accordance with Federal, State/Provincial and Local regulations.

For Household Settings: The following instructions are for consumer usage only. Do not discharge product into natural waters without pre-treatment or adequate dilution.

For Non-Household Settings: Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

Finished packaged product transported by ground (DOT): Non hazardous - Not regulated

Finished packaged product transported by vessel (IMDG): Non hazardous - Not regulated

Finished packaged product transported by air (IATA): Non hazardous - Not regulated

SECTION 15 - REGULATORY INFORMATION

Regulated as a Cosmetic and/or Drug under FDA (US), HPB (Canada), Cosmetic Directive (EU).

Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Finished Product Name: OLAPLEX NO.3 HAIR PERFECTOR**SECTION 16 - OTHER INFORMATION INCLUDING DATE OF PREPARATION OF THE LATEST REVISION**

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

<u>NFPA</u>	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection C

Issue Date	07-Feb-2018
Revision Date	27-June-2021
Revision Note	4

End of Safety Data Sheet

SAFETY DATA SHEET

Issue Date 07-Feb-2018

Revision Date 31-Mar-2020

Version 2

1. IDENTIFICATION

Product identifier

Product Name Olaplex No.4 Bond Maintenance Shampoo

Other means of identification

Product Code 5457053BS39721

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Cosmetic. Hair Care.

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

Olaplex, INC
1187 Coast Village Road, Suite #1-520
Santa Barbara, 93108

Telephone: 805-565-1269

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

Consumer Products as defined by the U.S. Consumer Product Safety Act which are used as intended (typical consumer duration and frequency) are exempt from the OSHA Hazard Communication Standard. While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Serious eye damage/eye irritation

Category 2B

Label elements

Emergency Overview

Warning

Hazard statements

Causes eye irritation

Appearance Pearlized semi-viscous liquid

Physical state Liquid

Odor Sweet grapefruit

Precautionary Statements - Prevention

Wash hands thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS**Substance**

Not applicable

Mixture

*Water, Sodium Lauroyl Methyl Isethionate, Cocamidopropyl Hydroxysultaine, Potassium Cocoyl Glycinate, Disodium Cocoyl Glutamate, Potassium Cocoate, Sodium Lauroyl Sarcosinate, Glycereth-26, Decyl Glucoside, Fragrance, Phenoxyethanol, Cocamidopropylamine Oxide, Sodium Cocoyl Glutamate, Glycol Distearate, Disodium Laureth Sulfosuccinate, Methyl Gluceth-20, Acrylates Copolymer, PEG-120 Methyl Glucose Dioleate, Amodimethicone, Polyquaternium-10, Citric Acid, Ethylhexylglycerin, Sodium Lauryl Sulfoacetate, Divinyldimethicone/Dimethicone Copolymer, Chlorphenesin, Polyquaternium-11, Guar Hydroxypropyltrimonium Chloride, C11-15 Pareth-7, Trisodium Ethylenediamine Disuccinate, Laureth-9, Glycerin, Trideceth-12, Panthenol, Hydrolyzed Vegetable Protein PG-Propyl Silanetriol, C12-13 Pareth-3, C12-13 Pareth-23, Helianthus Annuus (Sunflower) Seed Oil, Tocopherol, Pseudozyma Epicola/Camellia Sinensis Seed Oil Ferment Extract Filtrate, Pseudozyma Epicola/Argania Spinosa Kernel Oil Ferment Filtrate, Prunus Armeniaca (Apricot) Kernel Oil, Quaternium-95, Propanediol, Helianthus Annuus (Sunflower) Seed Extract, PEG-8, Bis-Aminopropyl Diglycol Dimaleate, Euterpe Oleracea Fruit Extract, Rosmarinus Officinalis (Rosemary) Leaf Extract, Punica Granatum Extract, Origanum Vulgare Leaf Extract, Musa Sapientum (Banana) Fruit Extract, Morinda Citrifolia Fruit Extract, Sodium Hyaluronate, PEG-8/Smdi Copolymer, Arctium Lappa Root Extract, Sodium Polyacrylate, Palmitoyl Myristyl Serinate, Citral, Hexyl Cinnamal, Limonene, Biotin, Pentaerythryl Tetra-Di-T-Butyl Hydroxyhydrocinnamate, Potassium Sorbate, Disodium EDTA, Acetic Acid, Pentasodium Triphosphate, Benzoic Acid, Tetrasodium EDTA

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**Description of first aid measures**

Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin contact	Rinse nose and mouth with water.
Inhalation	Rinse nose and mouth with water.
Ingestion	Not an expected route of exposure. IF SWALLOWED. Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms May cause eye irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Water. Dry chemical. Alcohol resistant foam.

Unsuitable extinguishing media None.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions None under normal use conditions.

For emergency responders Use personal protective equipment as required.

Environmental precautions

Environmental precautions Do not allow into any sewer, on the ground or into any body of water.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Collect spillage. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection **Manufacturing Sites:**
Wear safety glasses with side shields (or goggles). **Distribution, Workplace and Household Settings:**
No special technical protective measures are necessary.

Skin and body protection	No special technical protective measures are necessary.
Respiratory protection	No protective equipment is needed under normal use conditions.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Sweet grapefruit
Appearance	Pearlized semi-viscous liquid	Odor threshold	No information available
Color	Off-white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6.00 - 6.50	
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	1.02 - 1.04	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	10,000 - 15,000 cps	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	Products comply with US state and federal regulations for VOC content in consumer products.
Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity

Rinse nose and mouth with water.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

None known.

Hazardous Decomposition Products

Rinse nose and mouth with water.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No data available
Inhalation	No known effect.
Eye contact	Avoid contact with eyes. Irritating to eyes.
Skin contact	No known effect.
Ingestion	No known effect.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	Irritating to eyes.
Irritation	No information available.
Corrosivity	No information available.
Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

United States

Product is a personal care product and regulated under FDA.

International Inventories

TSCA -

DSL/NDSL -

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Not applicable for consumer use.

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

CERCLA

US State Regulations

California Proposition 65

This product is not subject to warning labeling under California Proposition 65.

U.S. State Right-to-Know Regulations

Product is a personal care product and regulated under FDA.

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection C

Issue Date 07-Feb-2018

Revision Date 03-Mar-2020

Revision Note

2

Disclaimer

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End of Safety Data Sheet

OLAPLEX NO.4C BOND MAINTENANCE CLARIFYING SHAMPOO

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : OLAPLEX NO.4C BOND MAINTENANCE CLARIFYING SHAMPOO

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

Cosmetic Care.

1.3. Details of the supplier of the safety data sheet

Registered company name : Olaplex.

Address : INC.1187 Coast Village Road Suite #1-520.CA 9310.Santa Barbara.USA.

Telephone : . Fax : .

1.4. Emergency telephone number : 1-800-565-9300.

Association/Organisation : CHEMTREC.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

HCS compliant.

Skin irritation, Category 2 (Skin Irrit. 2).

Serious eye damage, Category 1 (Eye Dam. 1).

Skin sensitisation, Category 1 (Skin Sens. 1).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

HCS compliant.

Hazard pictograms :



GHS05



GHS07

Signal Word :

DANGER

Product identifiers (list of classified components) :

CAS 68424-94-2

BETAINES, COCO ALKYL DIMETHYL

CAS 110615-47-9

D-GLUCOPYRANOSE, OLIGOMERIC, C10-16-ALKYL GLYCOSIDES

CAS 68515-73-1

D-GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES

CAS 61789-40-0

COCAMIDOPROPYL BETAINE

Hazard statements :

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H318

Causes serious eye damage.

Precautionary statements - General :

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P272

Contaminated work clothing should not be allowed out of the workplace.

P280

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection

Precautionary statements - Response :

P302 + P352

IF ON SKIN: Wash with plenty of water.

OLAPLEX NO.4C BOND MAINTENANCE CLARIFYING SHAMPOO

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.

P321

Specific treatment (see instructions on this label).

P333 + P313

If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364

Take off contaminated clothing and wash it before reuse.

Precautionary statements - Disposal :

P501

Dispose of contents and/or container in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	HCS	Nota	%
INDEX: 928663450 CAS: 928663-45-0 SODIUM LAUROYL METHYL ISETHIONATE	GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2B, H320		10 <= x % < 25
INDEX: 68139300 CAS: 68139-30-0 EC: 268-761-3 COCAMIDOPROPYL HYDROXSULTAINE	GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2B, H320		2.5 <= x % < 10
INDEX: 68424_94_2 CAS: 68424-94-2 EC: 270-329-4 BETAINES, COCO ALKYLDIMETHYL	GHS07, GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318		0 <= x % < 2.5
INDEX: 68815565 CAS: 68815-56-5 DISODIUM LAURETH SULFOSUCCINATE	GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2B, H320		0 <= x % < 2.5
INDEX: 110615_47_9 CAS: 110615-47-9 EC: 600-975-8 REACH: 01-2119489418-23 D-GLUCOPYRANOSE, OLIGOMERIC, C10-16-ALKYL GLYCOSIDES	GHS07, GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318		0 <= x % < 2.5
INDEX: 68155099 CAS: 68155-09-9 COCAMIDOPROPYLAMINE OXIDE	Eye Irrit. 2B, H320		0 <= x % < 2.5
INDEX: 68515_73_1 CAS: 68515-73-1 EC: 500-220-1 REACH: 01-2119488530-36 D-GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES	GHS05 Dgr Eye Dam. 1, H318		0 <= x % < 2.5
INDEX: 61789_40_0 CAS: 61789-40-0 EC: 263-058-8 COCAMIDOPROPYLBETAINE	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2B, H320		0 <= x % < 2.5

Information on ingredients :

(Full text of H-phrases: see section 16)

OLAPLEX NO.4C BOND MAINTENANCE CLARIFYING SHAMPOO

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

OLAPLEX NO.4C BOND MAINTENANCE CLARIFYING SHAMPOO

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Handle and open the container with care.

Avoid eye contact with this mixture at all times.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

OLAPLEX NO.4C BOND MAINTENANCE CLARIFYING SHAMPOO

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVA (Polyvinyl alcohol)

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

No data available.

Physical state

Physical state : Fluid liquid.

Colour

Yellow

Odour

Odour threshold : Not stated.

Sweet Grapefruit

Melting point

Melting point/melting range : Not specified.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not specified.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

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Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not specified.

Decomposition temperature

Decomposition point/decomposition range : Not specified.

pH

pH : Not stated.

Neutral.

pH (aqueous solution) : Not stated.

Kinematic viscosity

Viscosity : Not stated.

Solubility

Water solubility : Insoluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Between 175 kPa and 300 kPa inclusive.

Density and/or relative density

Density : < 1

Relative vapour density

Vapour density : Not stated.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

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SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

May cause an allergic reaction by skin contact.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2 Complex substance

No toxicological data available for the substances.

11.2. Information on other hazards

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 108-88-3 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 89-82-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 123-35-3 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 128-37-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12 : ECOLOGICAL INFORMATION

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.2 Complex substance

No aquatic toxicity data available for the substances.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

The appropriate waste management of the mixture and/or its container must be determined in accordance with local regulations.

13.1. Waste treatment methods

Do not pour into drains or waterways.

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Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

SECTION 15 : REGULATORY INFORMATION

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

The following regulations have been used:

- OSHA Hazard Communication Standard 29 CFR 1910.1200

- Container information:

No data available.

- Particular provisions :

No data available.

- Clean Water Act : Toxic Pollutants (CWA 307A)

CAS	Name
108-88-3	TOLUENE

- Clean Water Act : Hazardous Substances (CWA 311)

CAS	Name
65-85-0	BENZOIC ACID
108-88-3	TOLUENE

- Clean Water Act : Hazardous Substances (CWA 304b)

CAS	Name
108-88-3	TOLUENE

- Clean Water Act : Priority Pollutants (CWA Priority)

CAS	Name
108-88-3	TOLUENE

- Clean Air Act : Hazardous Air Pollutants (CAA 112(b) HAP (188))

CAS	Name
108-88-3	TOLUENE

- Clean Air Act : Organic Hazardous Air Pollutants National Emission Standards (CAA 112(b) HON (387))

CAS	Name
65-85-0	BENZOIC ACID
56-40-6	GLYCINE

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122-99-6 2-PHENOXYETHANOL
108-88-3 TOLUENE

- Clean Air Act : Protection of Stratospheric Ozone (CAA 602)

Unlisted.

- SARA 110

CAS	Name
65-85-0	BENZOIC ACID
108-88-3	TOLUENE

- SARA 302/304

Unlisted.

- SARA 313

CAS	Name
108-88-3	TOLUENE

- California proposition 65 : Chemicals known to the state to cause cancer or reproductive toxicity

CAS	Name
89-82-7	PULEGONE (cancer)
123-35-3	MYRCENE (cancer)
108-88-3	TOLUENE (developmental)

- Massachusetts : Right to Know

CAS	Name
99-87-6	P-CYMENE
80-56-8	ALPHA-PINENE
7758-29-4	PENTASODIUM TRIPHOSPHATE
76-22-2	1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE
65-85-0	BENZOIC ACID
124-13-0	OCTANAL
108-88-3	TOLUENE

- New Jersey : Right to Know

CAS	Name
80-56-8	ALPHA-PINENE
76-22-2	1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE
65-85-0	BENZOIC ACID
586-62-9	TERPINOLENE
507-70-0	BORNEOL
138-86-3	DL-LIMONENE
128-37-0	BUTYLATED HYDROXYTOLUENE
108-88-3	TOLUENE

- Pennsylvania : Hazardous Substance

CAS	Name
99-87-6	P-CYMENE
80-56-8	ALPHA-PINENE
7758-29-4	PENTASODIUM TRIPHOSPHATE
76-22-2	1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE
65-85-0	BENZOIC ACID
507-70-0	BORNEOL
25265-71-8	DIPROPYLENE GLYCOL (ISOMER UNSPECIFIED)
128-37-0	BUTYLATED HYDROXYTOLUENE
108-88-3	TOLUENE
106-68-3	3-OCTANONE

- Rhode Island : Hazardous substance list

CAS	Name
76-22-2	1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE
128-37-0	BUTYLATED HYDROXYTOLUENE
108-88-3	TOLUENE

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- TSCA (Toxic Substances Control Act) - USA

CAS	Name
99-87-6	P-CYMENE
99-86-5	P-MENTHA-1,3-DIENE
99-85-4	P-MENTHA-1,4-DIENE
99-83-2	ALPHA-PHELLANDRENE
99-49-0	CARVONE
98-79-3	L-2-PYRROLIDONE-5- CARBOXYLIC ACID (DELETED, SEE DECISION 2009/163/EC)
98-55-5	ALPHA-TERPINEOL
928663-45-0	SODIUM LAUROYL METHYL ISETHIONATE
89-82-7	PULEGONE
89-81-6	PIPERITONE
87-44-5	BETA-CARYOPHYLLENE
8000-48-4	EUCALYPTUS GLOBULUS OIL
80-56-8	ALPHA-PINENE
79-92-5	CAMPHENE
78-70-6	LINALOOL
7758-29-4	PENTASODIUM TRIPHOSPHATE
77-92-9	CITRIC ACID
76-49-3	BORNYL ACETATE
76-22-2	1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE
73-32-5	L-ISO LEUCINE (DELETED, SEE DECISION 2004/357/EC)
72-17-3	SODIUM LACTATE
71-00-1	L-HISTIDINE
68815-56-5	DISODIUM LAURETH SULFOSUCCINATE
68515-73-1	D-GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES
68424-94-2	BETAINES, COCO ALKYLDIMETHYL
68155-09-9	COCAMIDOPROPYLAMINE OXIDE
68139-30-0	COCAMIDOPROPYL HYDROXSULTAINE
68039-49-6	2,4-DIMETHYL-3-CYCLOHEXEN-1-CARBOXALDEHYDE
67634-14-4	3-(O-ETHYLPHENYL)-2,2-DIMETHYLPROPIONALDEHYDE
65-85-0	BENZOIC ACID
6485-40-1	L-CARVONE
63314-79-4	3-METHYL-5-CYCLOPENTADECEN-1-ONE
63-91-2	L-PHENYLALANINE
61789-40-0	COCAMIDOPROPYLBETAINE
5989-54-8	L-LIMONENE
5989-27-5	D-LIMONENE
589-98-0	3-OCTANOL
586-62-9	TERPINOLENE
562-74-3	TERPINEN-4-OL
56-84-8	ASPARTIC ACID 2-AMINOBUTANEDIOIC ACID
56-45-1	SERINE
56-41-7	L-ALANINE 2-AMINOPROPANOIC ACID
56-40-6	GLYCINE
54464-57-2	1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE
5392-40-5	CITRAL
53633-54-8	POLYQUATERNIUM-11
532-32-1	SODIUM BENZOATE
507-70-0	BORNEOL
502-61-4	ALPHA-FARNESENE
494-90-6	4,5,6,7-TETRAHYDRO-3,6-DIMETHYLBENZOFURAN
491-07-6	D,L-ISOMENTHONE
4864-61-3	3-OCTYL ACETATE
470-82-6	EUCALYPTOL
3338-55-4	CIS-BETA-OCIMENE
25265-71-8	DIPROPYLENE GLYCOL (ISOMER UNSPECIFIED)
25035-69-2	(META)ACRYLIC ESTER CO-POLYMER
2216-52-6	(+)-NEOMENTHOL

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2216-51-5	L-MENTHOL
20777-49-5	DIHYDROCARVYL ACETATE
20125-84-2	CIS-3-OCTEN-1-OL
1847-58-1	SODIUM LAURYL SULFOACETATE
178949-82-1	L-ASPARTIC ACID, N,N'-1,2-ETHANEDIYLBIS-, TRISODIUM SALT
147-85-3	L-PROLINEPYRROLIDINE-2-CARBOXYLIC ACID
141-27-5	GERANIAL
14073-97-3	L-MENTHONE
139504-68-0	1-[(2-TERT-BUTYL)CYCLOHEXYLOXY]-2-BUTANOL
138-86-3	DL-LIMONENE
13466-78-9	DELTA-3-CARENE
128-37-0	BUTYLATED HYDROXYTOLUENE
127-91-3	BETA-PINENE
124-13-0	OCTANAL
123-35-3	MYRCENE
122-99-6	2-PHENOXYETHANOL
115-95-7	LINALYL ACETATE
112-54-9	LAURIC ALDEHYDE
112-31-2	DECANAL
112-12-9	2-UNDECANONE
110615-47-9	D-GLUCOPYRANOSE, OLIGOMERIC, C10-16-ALKYL GLYCOSIDES
110-93-0	6-METHYL-5-HEPTEN-2-ONE
108-88-3	TOLUENE
106-68-3	3-OCTANONE
106-26-3	NERAL
106-25-2	NEROL
106-24-1	GERANIOL
106-23-0	CITRONELLAL
106-22-9	DL-CITRONELLOL
105-87-3	GERANYL ACETATE
104-21-2	P-ANISYL ACETATE
10339-55-6	3,7-DIMETHYL-1,6-NONADIEN-3-OL
103-95-7	2-METHYL-3-(P-ISOPROPYLPHENYL)PROPIONALDEHYDE
101-86-0	ALPHA-HEXYLCINNAMALDEHYDE

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H320	Causes eye irritation.

Abbreviations :

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

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AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

GHS05 : Corrosion

GHS07 : Exclamation mark

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

HCS : Hazard Communication standard (OSHA).

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : NO.4D CLEAN VOLUME DETOX DRY SHAMPOO - BBL2107507-01-03

Product code: BBL2107507-01-03

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

Cosmetic Care.

1.3. Details of the supplier of the safety data sheet

Registered company name : Olaplex.

Address : INC.1187 Coast Village Road Suite #1-520.CA 9310.Santa Barbara.USA.

Telephone : . Fax : .

1.4. Emergency telephone number : 1-800-565-9300.

Association/Organisation : CHEMTREC.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS compliant.

Aerosol, Category 1 (Aerosol 1, H222 - H229).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

The propellant gas is not taken into account when determining the health and environmental classification of the mixture.

2.2. Label elements

Non-rinse-off cosmetic mixture.

Mixture for aerosol application.

GHS compliant.

Hazard pictograms :



GHS02

Signal Word :

DANGER

Hazard statements :

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

Precautionary statements - General :

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211

Do not spray on an open flame or other ignition source.

P251

Do not pierce or burn, even after use.

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Precautionary statements - Storage :

P410 + P412

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	GHS	Note	%
INDEX: 601-004-00-0 CAS: 106-97-8 EC: 203-448-7	GHS02, GHS04 Dgr Flam. Gas 1, H220	[1]	38.1824%
BUTANE			
CAS: 64-17-5 EC: 200-578-6	GHS02, GHS07 Dgr Eye Irrit. 2, H319	[1]	9.6714%
ETHYL ALCOHOL	Flam. Liq. 2, H225		

Information on ingredients :

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of swallowing :

Seek medical attention, showing the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

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Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention :

Handle in well-ventilated areas.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Do not breathe in aerosols.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

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7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
106-97-8	1000 ppm				
64-17-5		1000 ppm		A3	

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
106-97-8		1000 ppm 2400 mg/m ³		4(II)
64-17-5		200 ppm 380 mg/m ³		4(II)

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
106-97-8	800	1900	-	-	-	-
64-17-5	1000	1900	5000	9500	-	84

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
106-97-8	600 ppm 1450 mg/m ³	750 ppm 1810 mg/m ³		Carc	
64-17-5	1000 ppm 1920 mg/m ³				

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

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Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVA (Polyvinyl alcohol)

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

No data available.

Physical state

Physical state : Fluid liquid.

Colour

Yellow

Odour

Odour threshold : Not stated.

Specific

Melting point

Melting point/melting range : Not relevant.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not relevant.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not relevant.

Decomposition temperature

Decomposition point/decomposition range : Not relevant.

pH

pH (aqueous solution) : Not stated.

pH : Not relevant.

Kinematic viscosity

Viscosity : Not stated.

Solubility

Water solubility : Soluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Not relevant.

Density and/or relative density

Density : Not stated.

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Relative vapour density

Vapour density : Not stated.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

Aerosols

Chemical combustion heat : Not specified.

Inflammation time : Not specified.

Deflagration density : Not specified.

Inflammation distance : Not specified.

Flame height : Not specified.

Flame duration : Not specified.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- heating
- heat

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2 Complex substance

No toxicological data available for the substances.

11.2. Information on other hazards

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 108-88-3 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 89-82-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 123-35-3 : IARC Group 2B : The agent is possibly carcinogenic to humans.

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CAS 128-37-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.
CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.
CAS 1318-02-1 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.2 Complex substance

No aquatic toxicity data available for the substances.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

The appropriate waste management of the mixture and/or its container must be determined in accordance with local regulations.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

14.1. UN number

1950

14.2. UN proper shipping name

UN1950=AEROSOLS, flammable

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14.3. Transport hazard class(es)

- Classification :



2.1

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	2	5F	-	2.1	-	1 L	190 327 344 625	E0	2	D

IMDG	Class	2° Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	2	See SP63	-	See SP277	F-D. S-U	63 190 277 327 344 381 959	E0	- SW1 SW22	SG69

IATA	Class	2° Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	2.1	-	-	203	75 kg	203	150 kg	A145 A167 A802	E0
	2.1	-	-	Y203	30 kg G	-	-	A145 A167 A802	E0

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15 : REGULATORY INFORMATION

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

The following regulations have been used:

- Globally Harmonized System of Classification and Labelling of Chemicals (GHS), review no. 8 (2019)

- Container information:

No data available.

- Particular provisions :

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

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Wording of the phrases mentioned in section 3 :

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.

Abbreviations :

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

GHS02 : Flame

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

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according to Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Rev. V10 (2023), Appendix 4
Issue date: 14/11/2023 Revision date: 19/04/2024 Supersedes: 14/11/2023 Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Olaplex No.4D Clean Volume Detox Dry Shampoo (NA Travel)
Product code : BBL2213730-00-03

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Shampoo
Use of the substance/mixture : Cosmetics

1.3. Supplier

Olaplex, Inc.
Suite #1-520
1187 Coast Village Road
Santa Barbara, California 93108
USA

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 / Local : +1-703-527-3887

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable gases, Category 1 H220 Extremely flammable gas.
Gases under pressure : Liquefied gas H280 Contains gas under pressure; may explode if heated.
Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : H220 - Extremely flammable gas.
H280 - Contains gas under pressure; may explode if heated.
Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P381 - Eliminate all ignition sources if safe to do so.

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P403 - Store in a well-ventilated place.

P410+P403 - Protect from sunlight. Store in a well-ventilated place.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Ethyl alcohol	CAS-No.: 64-17-5	9,84	Flam. Liq. 2, H225 Eye Irrit. 2, H319

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Specific hazards arising from the chemical

Fire hazard : Extremely flammable gas.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Eliminate all ignition sources if safe to do so. Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Eliminate all ignition sources if safe to do so.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

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Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Gas
Appearance	: Liquid.
Colour	: light yellow
Odour	: characteristic
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Extremely flammable gas.
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable gas.

10.2. Chemical stability

Stable under normal conditions.

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10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not applicable
Viscosity, kinematic	: No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
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Ethyl alcohol (64-17-5)

Persistence and degradability	Not rapidly degradable
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

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12.5. Other adverse effects

Effect on global warming : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No : UN1950
UN-No. (TDG) : UN1950
UN-No. (IMDG) : 1950
UN-No. (IATA) : 1950

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Aerosols, flammable, n.o.s.
Proper Shipping Name (TDG) : AEROSOLS
Proper Shipping Name (IMDG) : AEROSOLS
Proper Shipping Name (IATA) : Aerosols, flammable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : 2.1
Hazard labels (DOT) : 2.1



TDG

Transport hazard class(es) (TDG) : 2.1
Hazard labels (TDG) : 2.1



IMDG

Transport hazard class(es) (IMDG) : 2.1
Danger labels (IMDG) : 2.1



IATA

Transport hazard class(es) (IATA) : 2.1
Danger labels (IATA) : 2.1

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14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (TDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

14.5. Environmental hazards

Other information	: No supplementary information available.
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14.6. Special precautions for user

DOT

UN-No.(DOT)	: UN1950
DOT Special Provisions (49 CFR 172.102)	: N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 306
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 304
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: Forbidden
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 150 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 25 - Shade from radiant heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

TDG

UN-No. (TDG)	: UN1950
TDG Special Provisions	: 80 - Despite section 1.17 of Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases, a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with section 5.11 of Part 5, Means of Containment, except that the requirement in subsection 5.11(6) for aerosol containers to be tightly packed in a wood, fibreboard or plastic box does not apply to a user or purchaser who transports no more than six aerosol containers. Note that subsection 5.11(6) includes two requirements, one for a valve protection cap and one for containment, and that the exemption for aerosol containers in special provision 80 applies only to the containment requirement in that subsection; the requirement for a valve protection cap continues to apply. For a similar rule respecting aerosol containers, see subparagraph 1.15(1)(a)(i) of Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases, 107 - (1) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2, (Classification), do not apply to the handling, offering for transport or transporting of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a ship on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2) Subsection (1) does not apply to self-defence spray. SOR/2014-306 UN1950, UN2037 SOR/2014-306
Explosive Limit and Limited Quantity Index	: 1 L
Excepted quantities (TDG)	: E0
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 75 L

IMDG

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	: SP277

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Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES
EmS-No. (Spillage)	: S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

IATA

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Ethyl alcohol	64-17-5	Not present	-	

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

according to Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Rev. V10 (2023), Appendix 4

Revision date : 19/04/2024

Full text of H-statements	
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.

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according to Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Rev. V10 (2023), Appendix 4

Full text of H-statements	
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : NO.4D CLEAN VOLUME DETOX DRY SHAMPOO

Product Code: SHPS8101-1

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

Cosmetic Care.

1.3. Details of the supplier of the safety data sheet

Registered company name : Olaplex.

Address : INC.1187 Coast Village Road Suite #1-520.CA 9310.Santa Barbara.USA.

Telephone : . Fax : .

1.4. Emergency telephone number : 1-800-565-9300.

Association/Organisation : CHEMTREC.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Aerosol, Category 1 (Aerosol 1, H222 - H229).

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

The propellant gas is not taken into account when determining the health and environmental classification of the mixture.

2.2. Label elements

Mixture for aerosol application.

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS02

Signal Word :

DANGER

Hazard statements :

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

Precautionary statements - General :

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211

Do not spray on an open flame or other ignition source.

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P251 Do not pierce or burn, even after use.

Precautionary statements - Storage :

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances >= 0.1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
INDEX: 601-004-00-0 CAS: 106-97-8 EC: 203-448-7 BUTANE	GHS02, GHS04 Dgr Flam. Gas 1, H220	C [1]	50 <= x % < 100
INDEX: 601-003-00-5 CAS: 74-98-6 EC: 200-827-9 PROPANE	GHS02, GHS04 Dgr Flam. Gas 1, H220	[1]	10 <= x % < 25
INDEX: I603_002_005 CAS: 64-17-5 EC: 200-578-6 ETHYL ALCOHOL	GHS02, GHS07 Dgr Eye Irrit. 2, H319 Flam. Liq. 2, H225	[1]	2.5 <= x % < 10
INDEX: 601-004-00-0 CAS: 75-28-5 EC: 200-857-2 AND ISOBUTANE	GHS02, GHS04 Dgr Flam. Gas 1, H220	C [1]	2.5 <= x % < 10

Information on ingredients :

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

In the event of swallowing :

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

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SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Do not breathe in aerosols.

Where the personnel must carry out work in a booth, whether for spraying or otherwise, the ventilation may be inadequate to control particles and solvent vapors in every case.

It is therefore recommended that personnel wear masks with a compressed air supply during spraying operations until the concentration of particles and solvent vapors has fallen below the exposure limits.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

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CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
106-97-8	1000 ppm				
74-98-6	1000 ppm				
64-17-5		1000 ppm		A3	
75-28-5	1000 ppm				

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
106-97-8		1000 ppm 2400 mg/m ³		4(II)
74-98-6		1000 ppm 1800 mg/m ³		4(II)
64-17-5		200 ppm 380 mg/m ³		4(II)
75-28-5		1000 ppm 2400 mg/m ³		4(II)

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
106-97-8	800	1900	-	-	-	-
64-17-5	1000	1900	5000	9500	-	84

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
106-97-8	600 ppm 1450 mg/m ³	750 ppm 1810 mg/m ³		Carc	
64-17-5	1000 ppm 1920 mg/m ³				

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVA (Polyvinyl alcohol)

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Physical state :

Fluid liquid.

Colour

Off-white

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Odour

Odour threshold : Not stated.
Specific

Melting point

Melting point/melting range : Not specified.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not specified.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not specified.

Decomposition temperature

Decomposition point/decomposition range : Not specified.

pH

pH : Not stated.
Neutral.

pH (aqueous solution) : Not stated.

Kinematic viscosity

Viscosity : Not stated.

Solubility

Water solubility : Insoluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Above 300 kPa (3 bar).

Density and/or relative density

Density : < 1

Relative vapour density

Vapour density : Not stated.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

Aerosols

Chemical combustion heat : Not specified.

Inflammation time : Not specified.

Deflagration density : Not specified.

Inflammation distance : Not specified.

Flame height : Not specified.

Flame duration : Not specified.

9.2.2. Other safety characteristics

No data available.

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SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- heating
- heat

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

No toxicological data available for the substances.

11.1.2 Complex substance

No toxicological data available for the substances.

11.2. Information on other hazards

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 108-88-3 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 89-82-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 123-35-3 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 128-37-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 1318-02-1 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.2 Complex substance

No aquatic toxicity data available for the substances.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

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12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

14.1. UN number or ID number

1950

14.2. UN proper shipping name

UN1950=AEROSOLS, flammable

14.3. Transport hazard class(es)

- Classification :



2.1

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	2	5F	-	2.1	-	1 L	190 327 344 625	E0	2	D

IMDG	Class	2° Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	2	See SP63	-	See SP277	F-D, S-U	63 190 277 327 344 381 959	E0	- SW1 SW22	SG69

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IATA	Class	2° Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	2.1	-	-	Forbidden	Forbidden	203	150 kg	A1 A145 A167 A802	E0
	2.1	-	-	Forbidden	Forbidden	-	-	A1 A145 A167 A802	E0

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

- Container information:

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):
<https://echa.europa.eu/substances-restricted-under-reach>.

- Particular provisions :

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

Abbreviations :

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS02 : Flame

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PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 19/04/2024 Revision date: 19/04/2024 Supersedes version of: 19/04/2024 Version: 1.2

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

1.1. Product identifier

Product form : Mixture
Trade name : Olaplex No.4D Clean Volume Detox Dry Shampoo (EU Travel)
Product code : SHPS9947-1

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Professional use, Consumer use
Use of the substance/mixture : Cosmetics
Function or use category : Cosmetics

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Olaplex, Inc.
Suite #1-520
1187 Coast Village Road
93108 Santa Barbara, California
USA

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 / Local : +1-703-527-3887

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable gases, Category 1A H220
Gases under pressure : Liquefied gas H280
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Contains gas under pressure; may explode if heated. Extremely flammable gas.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) : Danger

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Hazard statements (CLP)	: H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated.
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P103 - Read carefully and follow all instructions. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely. P381 - In case of leakage, eliminate all ignition sources.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
butane substance with national workplace exposure limit(s) (FR)	CAS-No.: 106-97-8 EC-No.: 203-448-7 EC Index-No.: 601-004-00-0	62,78	Flam. Gas 1, H220 Press. Gas

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam.
------------------------------	----------------------------------

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable gas.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

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5.3. Advice for firefighters

- Firefighting instructions : Eliminate all ignition sources if safe to do so. Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Eliminate all ignition sources if safe to do so.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Store in a well-ventilated place. Keep cool.

Storage class (LGK, TRGS 510) : LGK 2B - Aerosol dispensers and lighters

Joint storage table

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for : LGK 1, LGK 4.1A, LGK 4.1B, LGK 4.2, LGK 4.3, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.2, LGK 7

Joint storage with restrictions permitted for : LGK 2A, LGK 5.1C

Joint storage permitted for : LGK 2B, LGK 3, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

butane (106-97-8)	
France - Occupational Exposure Limits	
Local name	n-Butane
VME (OEL TWA)	1900 mg/m ³
	800 ppm
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 6443, 2022; Outil65)
USA - ACGIH - Occupational Exposure Limits	
Local name	Butane
ACGIH OEL STEL	1000 ppm (EX - Explosion hazard)
Remark (ACGIH)	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2024

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

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8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Gas
Colour	: milky, white.
Appearance	: Liquid under pressure.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: Not available
Flammability	: Extremely flammable gas.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not applicable
Viscosity, kinematic	: Not applicable
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not applicable
Relative density	: Not applicable
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable gas.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1.1. Acute toxicity

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

11.1.2. Skin corrosion/irritation

Skin corrosion/irritation : Not classified

11.1.3. Serious eye damage/irritation

Serious eye damage/irritation : Not classified

11.1.4. Respiratory or skin sensitisation

Respiratory or skin sensitisation : Not classified

11.1.5. Germ cell mutagenicity

Germ cell mutagenicity : Not classified

11.1.6. Carcinogenicity

Carcinogenicity : Not classified

11.1.7. Reproductive toxicity

Reproductive toxicity : Not classified

11.1.8. STOT-single exposure

STOT-single exposure : Not classified

11.1.9. STOT-repeated exposure

STOT-repeated exposure : Not classified

11.1.10. Aspiration hazard

Aspiration hazard : Not applicable

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified
Not rapidly degradable

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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available






SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name				
AEROSOLS (butane ; propane ; alpha-Hexylcinnamaldehyde ; ethanol; ethyl alcohol ; isobutane)	AEROSOLS (butane ; propane ; alpha-Hexylcinnamaldehyde ; ethanol; ethyl alcohol ; isobutane)	Aerosols, flammable (butane ; propane ; alpha-Hexylcinnamaldehyde ; ethanol; ethyl alcohol ; isobutane)	AEROSOLS (butane ; propane ; alpha-Hexylcinnamaldehyde ; ethanol; ethyl alcohol ; isobutane)	AEROSOLS (butane ; propane ; alpha-Hexylcinnamaldehyde ; ethanol; ethyl alcohol ; isobutane)
Transport document description				
UN 1950 AEROSOLS (butane ; propane ; alpha-Hexylcinnamaldehyde ; ethanol; ethyl alcohol ; isobutane), 2.1, (D)	UN 1950 AEROSOLS (butane ; propane ; alpha-Hexylcinnamaldehyde ; ethanol; ethyl alcohol ; isobutane), 2.1	UN 1950 Aerosols, flammable (butane ; propane ; alpha-Hexylcinnamaldehyde ; ethanol; ethyl alcohol ; isobutane), 2.1	UN 1950 AEROSOLS (butane ; propane ; alpha-Hexylcinnamaldehyde ; ethanol; ethyl alcohol ; isobutane), 2.1	UN 1950 AEROSOLS (butane ; propane ; alpha-Hexylcinnamaldehyde ; ethanol; ethyl alcohol ; isobutane), 2.1
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
				

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: 5F
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1L
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207, LP200
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D

Transport by sea

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

Inland waterway transport

Classification code (ADN)	: 5F
Special provisions (ADN)	: 190, 327, 344, 625
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01, VE04
Number of blue cones/lights (ADN)	: 1

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Rail transport

Classification code (RID)	: 5F
Special provisions (RID)	: 190, 327, 344, 625
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P207, LP200
Special packing provisions (RID)	: PP87, RR6, L2
Mixed packing provisions (RID)	: MP9
Transport category (RID)	: 2
Special provisions for carriage - Packages (RID)	: W14
Special provisions for carriage - Loading, unloading and handling (RID)	: CW9, CW12
Colis express (express parcels) (RID)	: CE2
Hazard identification number (RID)	: 23

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).

Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

ABM category : Z(1) - non biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/ reprotoxicity/bioaccumulative potential/ toxicity or persistence)

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

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SZW-lijst van mutagene stoffen : None of the components are listed
SZW-lijst van reprotoxische stoffen - Borstvoeding : None of the components are listed
SZW-lijst van reprotoxische stoffen - Vruchtbaarheid : None of the components are listed
SZW-lijst van reprotoxische stoffen - Ontwikkeling : None of the components are listed

Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

Switzerland

Storage class (LK) : LK 2 - Liquefied or pressurized gases

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet

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Abbreviations and acronyms:	
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
Flam. Gas 1	Flammable gases, Category 1
Flam. Gas 1A	Flammable gases, Category 1A
H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
Press. Gas	Gases under pressure
Press. Gas (Liq.)	Gases under pressure : Liquefied gas

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU - Biorius - Custom

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier Code:2087908
Product name Olaplex No.4P Blonde Enhancer Toning Shampoo

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 Olaplex, Inc.
Full address 1187 Coast Village Road #1-520
City , State and Country Santa Barbara, CA 93108
USA

1.4. Emergency telephone number CHEMTREC - Phone #1-800-565-9300

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:

Serious eye damage, category 1H318	Causes serious eye damage.

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:

H318 Causes serious eye damage.
--

Precautionary statements:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280 Wear eye protection / face protection.
P310 Immediately call a POISON CENTER
Contains: Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts
Cocamidopropyl Betaine
Sodium Cocoamphoacetate

2.3. Other hazards

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

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification x = Conc. %	Classification 1272/2008 (CLP)	
Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts		
CAS -5 \leq x < 10	Eye Dam. 1 H318, Skin Irrit. 2 H315	
EC 270-407-8		
INDEX -		
Reg. no. 01-2119513401-57		
Cocamidopropyl Betaine		

CAS 147170-44-34 ≤ x < 5	Eye Dam. 1 H318, Aquatic Chronic 3 H412	
EC		
INDEX -		
Reg. no. 01-2119489410-39		
Sodium Cocoamphoacetate		
CAS 68608-65-11 ≤ x < 3	Eye Dam. 1 H318	
EC 271-793-0		
INDEX -		
Reg. no. 01-2119487973-19		

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.

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. 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

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. 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. Store the containers sealed, in a well ventilated place, away from direct sunlight. 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:

LTU Lietuva

LIETUVOS HIGIENOS NORMA HN 23:2011 „CHEMINIŲ MEDŽIAGŲ PROFESINIO POVEIKIO RIBINIAI DYDŽIAI. MATAVIMO IR POVEIKIO VERTINIMO BENDRIEJI REIKALAVIMAI. Nr. V-695/A1-272, 2018-06-12, paskelbta TAR 2018-06-15, i. k. 2018-09988

Sodium Cocoamphoacetate Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0053	mg/l					
Normal value in marine water	0,00053	mg/l					
Normal value of STP microorganisms	6,6	mg/l					
Health - Derived no-effect level - DNEL / DMEL Effects on consumers				Effects on workers			
Route of exposure	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		VND	0,39 mg/kg				
Inhalation		VND	4,06 mg/kg	VND	4,5 mg/kg		
Skin		VND	3,85 mg/kg			VND	6,42 mg/kg

SODIUM CHLORIDE Threshold Limit Value	Type	Country	TWA/8h	STEL/15min	Remarks / Observations
			mg/m3	mg/m3	
			ppm	ppm	
RDLTU			5		

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 Regulation 2016/425 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 A 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	liquid
Colour	dark violet
Odour	characteristic
Odour threshold	Not available
pH	5.8 - 6.2
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	1.030 ± 0.01 g/ml
Solubility	soluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	3000 - 7000 cps (22°, G5, 20rpm)
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.

2-PHENOXYETHANOL

In water at 1% reacts to form a weak acid (pH=6).

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

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.

Sodium Cocoamphoacetate

Irritante per gli occhi: su coniglio. Rischio di gravi lesioni oculari.

Irritante per la pelle: su coniglio lieve irritazione, non classificato irritante per la pelle. Esseri umani: può provocare una leggera irritazione della pelle, in caso di contatto prolungato o ripetuto.

Ethylhexylglycerin

Irritante per la pelle: LEGGERO effetto irritante - nessun obbligo di etichettatura.

Irritante per gli occhi: rischio di gravi lesioni oculari.

Sodium Cocoamphoacetate

Irritante per gli occhi: su coniglio. Rischio di gravi lesioni oculari.

Irritante per la pelle: su coniglio lieve irritazione, non classificato irritante per la pelle. Esseri umani: può provocare una leggera irritazione della pelle, in caso di contatto prolungato o ripetuto.

Ethylhexylglycerin

Irritante per la pelle: LEGGERO effetto irritante - nessun obbligo di etichettatura.

Irritante per gli occhi: rischio di gravi lesioni oculari.

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

ATE (Inhalation) of the mixture:

Not classified (no significant component)

ATE (Oral) of the mixture:

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

Sodium Cocoamphoacetate

LD50 (Oral) > 5000 mg/kg rat

LD50 (Dermal) 5236 mg/kg rat

SODIUM CHLORIDE

LD50 (Oral) 3000 mg/kg Rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

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

Does not meet the classification criteria for this hazard class

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

Sodium Cocoamphoacetate	
LC50 - for Fish	5,3 mg/l/96h trota iridea
EC50 - for Crustacea	8,9 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	16,9 mg/l/72h Pseudokirchneriella subcapitata

12.2. Persistence and degradability

Sodium Cocoamphoacetate	
Rapidly degradable	

SODIUM CHLORIDE	
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 \geq 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

Product

Point3	
--------	--

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (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 not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

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

Eye Dam. 1 Serious eye damage, category 1	
Skin Irrit. 2 Skin irritation, category 2	
Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3	
H318 Causes serious eye damage.	
H315 Causes skin irritation.	
H412 Harmful to aquatic life with long lasting 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. 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)
 14. Regulation (EU) 2018/669 (XI Atp. CLP)
 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
 16. Regulation (EU) 2019/521 (XII 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.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

SAFETY DATA SHEET

Issue Date 07-Feb-2018

Revision Date 31-Mar-2020

Version 2

1. IDENTIFICATION

Product identifier

Product Name Olaplex No.5 Bond Maintenance Conditioner

Other means of identification

Product Code 5457050FC39356

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Cosmetic. Hair Care.

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

Olaplex, Inc.
1187 Coast Village Road, Suite #1-520
Santa Barbara, 93108
Telephone: 805-565-1269

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

Consumer Products as defined by the U.S. Consumer Product Safety Act which are used as intended (typical consumer duration and frequency) are exempt from the OSHA Hazard Communication Standard. While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Label elements

Emergency Overview

Appearance Viscous emulsion **Physical state** Liquid **Odor** Fresh floral

Precautionary Statements - Prevention

Not applicable

Precautionary Statements - Response

Not applicable

Precautionary Statements - Storage

Not applicable

Precautionary Statements - Disposal

Not applicable

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

*Water, Cetearyl Alcohol, PPF-3 Benzyl Ether Myristate, Caprylic/Capric Triglyceride, Cetyl Alcohol, Octyldodecyl Ricinoleate, Quaternium-91, Divinyldimethicone/Dimethicone Copolymer, Cetrimonium Chloride, Glycerin, Isododecane, Cetyl Esters, Behentrimonium Chloride, Panthenol, Fragrance, Phenoxyethanol, Phospholipids, Hydroxypropyl Guar, Dimethicone PEG-7 Isostearate, Glycine Soja (Soybean) Oil, PEG-7 Amodimethicone, PEG-45M, Amodimethicone, Disodium EDTA, Polysilicone-15, Camellia Sinensis Seed Oil, C11-15 Pareth-7, Sodium Polyacrylate, C12-13 Pareth-3, C12-13 Pareth-23, Vitis Vinifera (Grape) Seed Oil, Persea Gratissima (Avocado) Oil, Crambe Abyssinica Seed Oil, Laureth-9, Trideceth-12, Butylene Glycol, Citric Acid, Ahnfeltiopsis Concinna Extract, Iodopropynyl Butylcarbamate, Acetic Acid, Sodium Acetate, Tocopheryl Linoleate/Oleate, Pseudozyma Epicola/Camellia Sinensis Seed Oil Ferment Extract Filtrate, Pseudozyma Epicola/Argania Spinosa Kernel Oil Ferment Filtrate, Hydrolyzed Hyaluronic Acid, Helianthus Annuus (Sunflower) Seed Oil, Quaternium-95, Propanediol, Helianthus Annuus (Sunflower) Seed Extract, PEG-8, Bis-Aminopropyl Diglycol Dimaleate, Punica Granatum Extract, Morinda Citrifolia Fruit Extract, PEG-8/Smdi Copolymer, Euterpe Oleracea Fruit Extract, Palmitoyl Myristyl Serinate, BHT, Silica, Sodium Benzoate, Potassium Sorbate, Tocopherol, Pentaerythrityl Tetra-Di-T-Butyl Hydroxyhydrocinnamate, Biotin, Citral, Hexyl Cinnamal, Limonene, Hydroxypropyl Cyclodextrin, Chlorphenesin, Propylene Glycol, Sodium Dehydroacetate, PEG-4 Laurate, PEG-4 Dilaurate, PEG-4, Etidronic Acid

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Rinse nose and mouth with water.
Inhalation	Rinse nose and mouth with water.
Ingestion	IF SWALLOWED. Clean mouth with water.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water. Dry chemical. Alcohol resistant foam.

Unsuitable extinguishing media None.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions None under normal use conditions.
For emergency responders Use personal protective equipment as required.

Environmental precautions

Environmental precautions Do not allow into any sewer, on the ground or into any body of water.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.
Methods for cleaning up Collect spillage. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.
Incompatible materials None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines .
Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).
Skin and body protection Wear protective gloves and protective clothing.
Respiratory protection No information available.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Fresh floral
Appearance	Viscous emulsion	Odor threshold	No information available
Color	White to slightly off white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	4.00 - 5.00	
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	0.94 - 0.97	
Water solubility	No information available	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	30,000 - 45,000 cps	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	
<u>Other Information</u>		
Softening point	No information available	
Molecular weight	No information available	
VOC Content (%)	Products comply with US state and federal regulations for VOC content in consumer products.	
Density	No information available	
Bulk density	No information available	

10. STABILITY AND REACTIVITY

Reactivity

Rinse nose and mouth with water.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

None under normal processing.

Incompatible materials

None known.

Hazardous Decomposition Products

Rinse nose and mouth with water.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No data available
Inhalation	No data available.
Eye contact	No data available.
Skin contact	No data available.

Ingestion No data available.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.
Serious eye damage/eye irritation No information available.
Irritation No information available.
Corrosivity No information available.
Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity No information available.
Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Codes 561

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

United States

Product is a personal care product and regulated under FDA.

International Inventories

TSCA -

DSL/NDSL -

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Not applicable for consumer use.

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

Not applicable for consumer use.

US State Regulations

California Proposition 65

This product is not subject to warning labeling under California Proposition 65.

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection C

Issue Date 07-Feb-2018

Revision Date 31-Mar-2020

Revision Note

2

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

OLAPLEX NO.5P BLONDE ENHANCER TONING CONDITIONER

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : OLAPLEX NO.5P BLONDE ENHANCER TONING CONDITIONER

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

Cosmetic Care.

1.3. Details of the supplier of the safety data sheet

Registered company name : Olaplex.

Address : INC.1187 Coast Village Road Suite #1-520.CA 9310.Santa Barbara.USA.

Telephone : . Fax : .

1.4. Emergency telephone number : 1-800-565-9300.

Association/Organisation : CHEMTREC.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS compliant.

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Eye irritation, Category 2A (Eye Irrit. 2A, H319).

Hazardous to the aquatic environment - Acute hazard, Category 3 (Aquatic Acute 3, H402).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

GHS compliant.

Hazard pictograms :



GHS07

Signal Word :

WARNING

Hazard statements :

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements - General :

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection

OLAPLEX NO.5P BLONDE ENHANCER TONING CONDITIONER

Precautionary statements - Response :

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321

Specific treatment (see instructions on this label).

P337 + P313

If eye irritation persists: Get medical advice/attention.

Precautionary statements - Disposal :

P501

Dispose of contents and/or container in accordance with local, regional, national and/or international regulation.

2.3. Other hazards**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures****Composition :**

Identification	Classification GHS	Note	%
CAS: 112-02-7 CETRIMONIUM CHLORIDE	GHS05, GHS09 Dgr Skin Corr. 1, H314 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 2.5
CAS: 17301-53-0 EC: 241-327-0 DOCOSYLTRIMETHYLAMMONIUM CHLORIDE	GHS07, GHS09 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 2.5

Information on ingredients :

(Full text of H-phrases: see section 16)

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures**In the event of splashes or contact with eyes :**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

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

No data available.

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

No data available.

OLAPLEX NO.5P BLONDE ENHANCER TONING CONDITIONER

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid skin and eye contact with this mixture.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Packaging

Always keep in packaging made of an identical material to the original.

OLAPLEX NO.5P BLONDE ENHANCER TONING CONDITIONER

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

No data available.

Physical state

Physical state : Viscous liquid.

Cream

Colour

Opaque

Odour

Odour threshold : Not stated.

Specific

OLAPLEX NO.5P BLONDE ENHANCER TONING CONDITIONER

Melting point

Melting point/melting range : Not relevant.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not relevant.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not relevant.

Decomposition temperature

Decomposition point/decomposition range : Not relevant.

pH

pH (aqueous solution) : 3.3 - 3.7

pH : 3.50 0.2.

Slightly acidic.

Kinematic viscosity

Viscosity : 4000 - 12000 cps

Solubility

Water solubility : Soluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Not relevant.

Density and/or relative density

Density : 0.98

Relative vapour density

Vapour density : Not stated.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

OLAPLEX NO.5P BLONDE ENHANCER TONING CONDITIONER

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2 Complex substance

No toxicological data available for the substances.

11.2. Information on other hazards

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 128-37-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 67-63-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.2 Complex substance

No aquatic toxicity data available for the substances.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

The appropriate waste management of the mixture and/or its container must be determined in accordance with local regulations.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.

OLAPLEX NO.5P BLONDE ENHANCER TONING CONDITIONER

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

-

SECTION 15 : REGULATORY INFORMATION

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

The following regulations have been used:

- Globally Harmonized System of Classification and Labelling of Chemicals (GHS), review no. 8 (2019)

Container information:

No data available.

Particular provisions :

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms :

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

OLAPLEX NO.5P BLONDE ENHANCER TONING CONDITIONER

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

GHS07 : Exclamation mark

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SAFETY DATA SHEET

Issue Date 06-Dec-2018

Revision Date 31-Mar-2020

Version 2

1. IDENTIFICATION

Product identifier

Product Name Olaplex Bond Smoother

Other means of identification

Product Code 5457056FC40622

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Cosmetic. Hair Care.

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

Olaplex, Inc.
1187 Coast Village Road, Suite #1-520
Santa Barbara, 93108
Telephone: 805-565-1269

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

Consumer Products as defined by the U.S. Consumer Product Safety Act which are used as intended (typical consumer duration and frequency) are exempt from the OSHA Hazard Communication Standard. While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Label elements

Emergency Overview

Appearance Semi viscous emulsion **Physical state** Liquid **Odor** Sweet floral

Precautionary Statements - Prevention

Not applicable

Precautionary Statements - Response

Not applicable

Precautionary Statements - Storage

Not applicable

Precautionary Statements - Disposal

Not applicable

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

*Water, Cetearyl Alcohol, Dimethicone, Isohexadecane, Coco-Caprylate, Neopentyl Glycol Diheptanoate, Behentrimonium Chloride, Isododecane, Propanediol, Fragrance, Phenyl Trimethicone, Cetrimonium Chloride, Phenoxyethanol, Glyceryl Stearate, Hydroxypropyl Guar, Hydroxyethylcellulose, Sodium Stearoyl Lactylate, Disodium EDTA, Hydrolyzed Vegetable Protein PG-Propyl Silanetriol, Iodopropynyl Butylcarbamate, Gigartina Stellata Extract, Chondrus Crispus (Carrageenan) Extract, Vitis Vinifera (Grape) Seed Oil, Tocopheryl Acetate, Pseudozyma Epicola/Camellia Sinensis Seed Oil Ferment Extract Filtrate, Cocos Nucifera (Coconut) Oil, Ascorbic Acid, Aloe Barbadensis Leaf Juice, Phytantriol, Panthenol, Bis-Aminopropyl Diglycol Dimaleate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil, Isopropyl Alcohol, Citral, Citronellol, Geraniol, Hexyl Cinnamal, Hydroxycitronellal, Limonene, Linalool, Hydroxypropyl Cyclodextrin, Potassium Sorbate, Sodium Benzoate, Citric Acid, Etidronic Acid

4. FIRST AID MEASURES

Description of first aid measures

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact Wash skin with soap and water.

Inhalation Rinse nose and mouth with water.

Ingestion IF SWALLOWED. Clean mouth with water.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water. Dry chemical. Alcohol resistant foam.

Unsuitable extinguishing media None.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions None under normal use conditions.
For emergency responders Use personal protective equipment as required.

Environmental precautions

Environmental precautions Do not allow into any sewer, on the ground or into any body of water.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.
Methods for cleaning up Collect spillage. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.
Incompatible materials None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines .
Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).
Skin and body protection Wear protective gloves and protective clothing.
Respiratory protection No information available.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Sweet floral
Appearance	Semi viscous emulsion	Odor threshold	No information available
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	4.00 - 5.00	
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	

Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	0.94 - 0.99
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	30,000 - 50,000 cps
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	Products comply with US state and federal regulations for VOC content in consumer products.
Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity

Rinse nose and mouth with water.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

None under normal processing.

Incompatible materials

None known.

Hazardous Decomposition Products

Rinse nose and mouth with water.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No data available
Inhalation	No data available.
Eye contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Irritation	No information available.
Corrosivity	No information available.
Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Codes 331

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

United States

Product is a personal care product and regulated under FDA.

International Inventories

TSCA -
DSL/NDSL -

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Not applicable for consumer use.

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

CERCLA

Not applicable for consumer use.

US State Regulations

California Proposition 65

This product is not subject to warning labeling under California Proposition 65.

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection C

Issue Date 06-Dec-2018

Revision Date 31-Mar-2020

Revision Note

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Disclaimer

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End of Safety Data Sheet

SAFETY DATA SHEET

Issue Date 23-Sept-2019

Revision Date 31-Mar-2020

Version 2

1. IDENTIFICATION

Product identifier

Product Name Olaplex No.7 Bonding Oil

Other means of identification

Product Code 20140640

Synonyms

Recommended use of the chemical and restrictions on use

Recommended Use Cosmetic. Hair Care.

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

Olaplex, Inc.
1187 Coast Village Road, Suite #1-520
Santa Barbara, 93108
Telephone: 805-565-1269

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

This material is not considered hazardous by the OSHA Hazard Communication Standard. Per OSHA Standard 29 CFR 1910.1200(b)(6), "Cosmetics which are packaged for sale to consumers in a retail establishment, and cosmetics intended for personal consumption by employees while in the workplace are exempt."

This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

GHS Label Elements: None

Signal Word: None

Hazard Pictogram: None

General Precautions:

P101 If medical advice is needed, have product container or label at hand

P102 Keep out of reach of children.

P103 Read label before use.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

*Dimethicone, Isohexadecane, C13-14 Isoparaffin, Coco-Caprylate, Phenyl Trimethicone, Bis-Aminopropyl Diglycol Dimaleate, Propanediol, Zea Mays (Corn) Oil, Beta-Carotene, Helianthus Annuus (Sunflower) Seed Oil, Moringa Oleifera Seed Oil, Punica Granatum Seed Oil, Water (Aqua), Morinda Citrifolia Fruit Powder, Fragrance (Parfum), Hexyl Cinnamal, Eclipta Prostrata Extract, Ethylhexyl Methoxycinnamate, Limonene, Tocopherol, Citral, Linalool, Melia Azadirachta Leaf Extract, Citronellol, Pseudozyma Epicola/Camellia Sinensis Seed Oil Ferment Extract Filtrate

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Eye Contact: Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.

Ingestion: Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water. Seek medical attention if irritation, discomfort or vomiting persist. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water. Dry chemical. Alcohol resistant foam.

Unsuitable extinguishing media None.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Flash Point: 93 °C

Fire Hazard: This product is flammable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions None under normal use conditions.
For emergency responders Use personal protective equipment as required.

Environmental precautions

Environmental precautions Do not allow into any sewer, on the ground or into any body of water.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.
Methods for cleaning up Collect spillage. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Storage Temperature: Ambient
Handling/Storage: Store in a cool, dry area away from heat and direct sunlight. Keep containers closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection:	None	required
Hand Protection:	None	required
Thermal Hazard Protection:	None	required

This is a personal care product that is safe for consumers under normal and reasonably instructional use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Color:	Liquid Yellow-Orange
Odor:		Characteristic
Specific Gravity:		0.82 – 0.86
Solubility in Water:		Immiscible
Flash Point		93 °C

10. STABILITY AND REACTIVITY

Reactivity:	None under normal use conditions.	Stable
Chemical Stability:		None known
Possibility of Hazardous Reactions:		
Avoid:	None	known
Incompatible Materials:	None	known
Hazardous Decomposition Products:		None known

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	None	Known
Skin Irritation:	None	Known
Eye Irritation:	May cause irritation	

12. ECOLOGICAL INFORMATION

Toxicity:	None established
Persistence and Degradability: Bioaccumulative Potential: Mobility in Soil:	Unknown
Other Adverse Effects:	Unknown
	Unknown
	None known

13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

This product is non-hazardous and not regulated as defined by 49 CFR 172.101 by the U.S. Transportation Department.

Department of Transportation (DOT):	Not regulated
International Maritime Dangerous Goods (IMDG):	Not regulated
International Air Transport Association (IATA):	Not regulated

15. REGULATORY INFORMATION

This product is non-hazardous and not regulated as defined by 49 CFR 172.101 by the U.S. Transportation Department.

Department of Transportation (DOT): Not regulated
 International Maritime Dangerous Goods (IMDG): Not regulated
 International Air Transport Association

Health Administration): Clean Air Act Section (112): None Listed
 None listed

CERCLA (Comprehensive Environmental Response – Compensation and Liability Act)

Reportable Quantities: None listed
SARA Reporting Requirements: Toxic Substances Control Act (TSCA): State Regulations: None listed
 None listed

The listing requirements of the Right To Know (RTK) legislation vary by state. All information for NJ, PA, MA and other states can be derived from the listing of hazardous and non-hazardous components in Section 2 and 15 of this SDS.

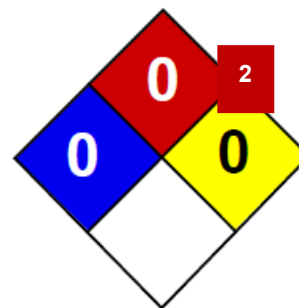
California Proposition 65: This product is not subject to warning labeling under California Proposition 65

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Hazardous Materials Identification System (HMIS) Ratings

HEALTH	0
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	0

National Fire Protection Association (NFPA) Ratings



Hazard Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

Issue Date 07-Feb-2018
Revision Date 31-Mar-2020
Revision Note

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Disclaimer

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End of Safety Data Sheet

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 2.0 / EN

Print date: 2021-05-03
Revision date: 2021-04-20

SECTION 1: Identification

Product identifier: Olaplex No. 8 Bond Intense Moisture Mask

Application of the substance: Personal care product

Product details: Conditioner, 100 ml

Manufacturer:

Name: Olaplex, INC.
Address: 1187 Coast Village Road Suite #1-520
Santa Barbara, CA 93108

In case of medical emergencies, please contact your local poison control center.

Transportation emergency (24 hour), contact:

CHEMTREC - Phone # 1-800-565-9300

SECTION 2: Hazards identification

OSHA/HCS Status: This mixture is not considered hazardous by the OSHA Hazardous Communication Standard (29CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Classification of the mixture: Eye Irritation Category 2A
Skin Irritation Category 3

Hazard pictograms:



GHS07

Signal word: Warning

Hazard statements:

H316 Causes mild skin irritation.
H319 Causes serious eye irritation

Precautionary statements:

P103 Read label before use.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

Mixture: Water, Dimethicone, Cetyl Alcohol, Persea Gratissima (Avocado) Oil, Glycerin, Stearyl Alcohol, Ethylhexyl Olivat, Behentrimonium Chloride, Cetrimonium Bromide, Limnanthes Alba (Meadowfoam) Seed Oil, Oryza Sativa (Rice) Bran Oil, Quaternium-80, Squalane, Rosa Canina (Rose Hip) Seed Extract, Ceramide AP, Ceramide NP, Hydrolyzed Jojoba, Esters, Sodium Hyaluronate, Sodium PCA, Bis-Aminopropyl Diglycol Dimaleate, Arginine, Jojoba, Esters, Panthenol, Carthamus Tinctorius (Safflower) Seed Oil, Cannabis Sativa (Hemp) Seed Oil, Glycine, Alanine, Serine, Valine, Isoleucine, Proline, Threonine, Guar Hydroxypropyltrimonium Chloride, Histidine, Hydroxyethylcellulose, Phenylalanine, Aspartic Acid, PCA, Phosphatidylcholine, Citric Acid, Sodium Lactate, Ethylhexylglycerin, Sodium Benzoate, Phenoxyethanol, Bis-Cetearyl Amodimethicone, Propylene Glycol, Isopropyl Alcohol, Sodium Nitrate, Tocopherol, Fragrance (Parfum), Citral, Hexyl Cinnamal, Limonene

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2020-07-24
Revision date: 2020-07-20

SECTION 4: First aid measures

Description of first aid measures

General information:	Check vital functions. Prevent cooling by covering the victim. Keep watching victim. Give physiological aid. Keep victim calm, avoid physical strain. Never give alcohol to drink.
Following inhalation:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Following skin contact:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes.
Following eye contact:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
Following ingestion:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed

Potential acute health effects

Inhalation:	No known effects of critical hazards
Skin contact:	No known effects of critical hazards
Eye contact:	No known effects of critical hazards
Ingestion:	No known effects of critical hazards

Over exposure signs and symptoms

Inhalation:	No known effects of critical hazards
Skin contact:	No known effects of critical hazards
Eye contact:	No known effects of critical hazards
Ingestion:	No known effects of critical hazards

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	None
Special hazards arising from the mixture:	In a fire if heated, a pressure increase may occur and the container may burst. Vapors may form explosive mixtures with air.
Hazardous combustion products:	Carbon Oxides
Protective equipment for fire fighters:	Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in a positive pressure mode.
Flash point:	> 100°C (Calculated)

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2020-07-24
Revision date: 2020-07-20

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through the spilled material. Put on appropriate personal protective equipment.

Protective equipment: None under normal use conditions

Emergency procedures: Keep upwind. Mark the area of release. Consider evacuation if necessary. Wash any contaminated clothing.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, air).

Methods and material for containment and cleaning up

Methods for containment: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulation.

Additional information: See Section 1 for contact information and Section 13 for waste disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling: Keep container closed when not in use.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container closed, dry and at a reasonable temperature.

Materials to avoid: None

Specific end uses: Personal Care/Cosmetics

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits:

N/A	N/A	N/A
-----	-----	-----

Environmental exposure controls: Environmental guidelines are not relevant when product is used as intended in a household setting.

Consumer exposure control: Exposure guidelines are not relevant when product is used as intended in a household setting.

Personal protective equipment

Eye Protection: No special protective equipment required

Hand Protection: No special protective equipment required

Skin and Body Protection: No special protective equipment required

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2020-07-24
Revision date: 2020-07-20

Respiratory Protection: No special protective equipment required

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2020-07-24
Revision date: 2020-07-20

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical/Chemical Property	Value/Range	Remark
Physical state @ 20°C		
Appearance	Semi-viscous Cream	
Color	Off-White	
Odor	Floral	
pH	4.0 – 4.5	
Melting point/freezing point (°C)	N/A	
Boiling point/boiling range (°C)	N/A	
Flash point (°C)	> 100	
Evaporation rate	N/A	
Flammability (solid, gas)	N/A	
Flammability limits		
Upper flammability limits (%)	N/A	
Lower flammability limits (%)	N/A	
Vapor pressure (mmHG)	N/A	
Vapor density (Air)	N/A	
Relative density (SG)	0.96 – 0.98	
Solubility (H ₂ O)	N/A	
Partition coefficient: n-octanol/water	N/A	
Auto-ignition temperature	N/A	
Decomposition temperature	N/A	
Viscosity		
Dynamic Viscosity (cP)	15k – 20k cPs	

SECTION 10: Stability and reactivity

Reactivity: Not classified as a reactivity hazard.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Heat, cold, direct sunlight

Incompatible materials: Oxidizing agents

Hazardous decomposition products: Carbon Dioxide, Carbon Monoxide

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2020-07-24
Revision date: 2020-07-20

SECTION 11: Toxicological information

Information on toxicological effects

Likely routes of exposure: Skin and eye contact

Acute toxicity

Classification: Not classified based on available information

Skin corrosion/irritation

In-vitro skin test: No information available.

Classification: Not classified based on available information

Eye damage/irritation

In vitro eye test: No information available.

Classification: Not classified based on available information

Sensitization to the respiratory tract

Classification: Not classified based on available information

Skin sensitization

Classification: Not classified based on available information

Germ cell mutagenicity

In vitro mutagenicity: No information available.

Classification: Not classified based on available information

Carcinogenicity

Classification: Not classified based on available information

Reproductive toxicity

Classification: Not classified based on available information

Specific target organ toxicity (single exposure)

Classification: Not classified based on available information

Specific target organ toxicity (repeated exposure)

Classification: Not classified based on available information

Aspiration hazard

Classification: Not classified based on available information.

Symptoms related to the physical, chemical and toxicological characteristics:

Effects after ingestion: No Known Effects.

Effects after skin contact: No Known Effects.

Effects after inhalation: No Known Effects.

Effects after eye contact: No Known Effects.

Chronic Symptoms: No Known Effects.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2020-07-24
Revision date: 2020-07-20

SECTION 12: Ecological information

Toxicity

Classification: Not classified based on available information

Persistence and degradability

Classification: Not classified based on available information

Bio-accumulative potential

Classification: Not classified based on available information

Mobility in soil

Classification: Not classified based on available information

SECTION 13: Disposal considerations

Waste treatment methods

Product disposal: Disposal of this product, solutions and any byproducts should at all times comply with the requirements of the environmental protection and waste disposal legislation and any regional local authority. This material and its container must be disposed of in a safe way.

Packaging: Waste packaging should be recycled. Empty containers or liners may retain some product residues.

Waste treatment options: Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Other disposal recommendations: Dispose of the surplus and non-recyclable products via a licensed waste disposal contractor. Incineration or landfill should only be considered when recycling is not feasible.

Additional information: The generation of waste should be avoided or minimized wherever possible. Avoid dispersals of spilled material and runoff and contact with soil, waterways, drains and sewers.

California Hazardous Waste Codes: 561
(Non-household setting)

SECTION 14: Transport information

	DOT	IMDG	IATA-DGR
UN Number	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping name			
Transport hazard Class(es)			
Hazard label(s)			
Packing Group			

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
 Product No:
 Version: 1.0 / EN

Print date: 2020-07-24
 Revision date: 2020-07-20

Environmental Hazards			
Additional Information			

Special precautions for user: None

SECTION 15: Regulatory information

U.S. Federal regulations:

TSCA 8(d) H and S data reporting: Not applicable

SARA 302/304: Not applicable

SARA 311/312: Not applicable

SARA 313: Not applicable

National regulations: No additional information available

EU regulations: No additional information available

Other EU regulations: No additional information available

VOC content (% by w/w): Not applicable

US State RTK regulations: Not applicable

California Proposition 65: Not applicable

SECTION 16: Other information

Classification for mixtures according to regulation (EC) 1207/2008

Risk phrases:

R38 Irritating to skin.

Safety phrases:

S07 Keep container tightly closed.

Supplemental Hazard information:

N/A

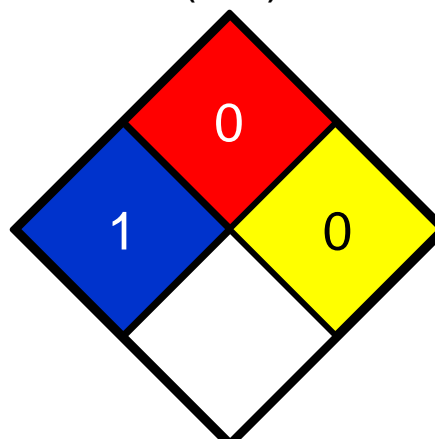
Further information: none

Indication of changes: initial

**Hazardous Materials Identification System
(HMIS)**

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	0

**National Fire Protection Association
(NFPA)**



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2020-07-24
Revision date: 2020-07-20

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Blue: Health hazard Red: Fire hazard Yellow: Reactivity hazard White: Special hazard

Abbreviations and acronyms:

ADN =	European Agreement concerning the International Carriage of Dangerous Goods by Waterway	IMDG =	International Marine Dangerous Goods
ADR =	European Agreement concerning the International Carriage of Dangerous Goods by Road	LogPow =	Logarithm of the Octanol/Water partition coefficient
ATE =	Acute Toxicity Estimate	MARPOL 73/78 =	International Convention on the Prevention of Pollution from Ships
BCF =	Bio-concentration Factor	PEL =	Permissible Exposure Limits
BEI =	Biological Exposure Limits	REL =	Recommended Exposure Limits
DOT =	Department of Transportation	RID =	European Agreement concerning the International Carriage of Dangerous Goods by Rail
GHS =	Globally Harmonized System of Classification and Labeling of Chemicals	STEL =	Short-Term Exposure Limits
IATA =	International Air Transport Association	TLV =	Threshold Limit Values
IBC =	Intermediate Bulk Container	TWA =	Time Weighted Average
ICAO =	International Civil Aviation Organization	UN =	United Nations
IDLH =	Immediately Dangerous		

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or the completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2021-06-22
Revision date: 2021-06-21

SECTION 1: Identification

Product identifier: Olaplex No.9 Bond Protector Nourishing Hair Serum

Application of the substance: Personal care product

Product details: Conditioner

Manufacturer:

Name: Olaplex, Inc.

Address: 1187 Coast Village Road, Suite #1-520
Santa Barbara, CA 93108

Telephone Number: Chemtrec 1-800-424-9300

SECTION 2: Hazards identification

OSHA/HCS Status: This product is not considered hazardous by the OSHA Hazardous Communication Standard (29CFR 1910.1200). Per OSHA Standard 29 CFR 1910.1200(b)(6), "Cosmetics which are packaged for sale to consumers in retail establishment, and cosmetics intended for personal consumption by employees while in the workplace are exempt."

This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

GHS Label elements, including precautionary statements

The product does not require a hazard warning label in accordance with GHS criteria.

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements: None

SECTION 3: Composition/information on ingredients

Chemical nature: Emulsion

Hazardous ingredients: N/A

Additional information: There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence reporting in this section.

SECTION 4: First aid measures

Description of first aid measures

General information: Check vital functions. Prevent cooling by covering the victim. Keep watching victim. Give physiological aid. Keep victim calm, avoid physical strain. Never give alcohol to drink.

Following inhalation: If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2021-06-22
Revision date: 2021-06-21

Following skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes.

Following eye contact: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

Following ingestion: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed

Potential acute health effects

Inhalation: No known effects of critical hazards

Skin contact: No known effects of critical hazards

Eye contact: No known effects of critical hazards

Ingestion: No known effects of critical hazards

Over exposure signs and symptoms

Inhalation: No known effects of critical hazards

Skin contact: No known effects of critical hazards

Eye contact: No known effects of critical hazards

Ingestion: No known effects of critical hazards

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None

Special hazards arising from the mixture: In a fire if heated, a pressure increase may occur and the container may burst. Vapors may form explosive mixtures with air.

Hazardous combustion products: Carbon Oxides

Protective equipment for fire fighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in a positive pressure mode.

Flash point: > 100°C (Calculated)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2021-06-22
Revision date: 2021-06-21

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through the spilled material. Put on appropriate personal protective equipment.

Protective equipment: None under normal use conditions

Emergency procedures: Keep upwind. Mark the area of release. Consider evacuation if necessary. Wash any contaminated clothing.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, air).

Methods and material for containment and cleaning up

Methods for containment: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulation.

Additional information: See Section 1 for contact information and Section 13 for waste disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling: Keep container closed when not in use.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container closed, dry and at a reasonable temperature.

Materials to avoid: None

Specific end uses: Personal Care/Cosmetics

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits:

N/A	N/A	N/A
-----	-----	-----

Environmental exposure controls: Environmental guidelines are not relevant when product is used as intended in a household setting.

Consumer exposure control: Exposure guidelines are not relevant when product is used as intended in a household setting.

Personal protective equipment

Eye Protection: No special protective equipment required

Hand Protection: No special protective equipment required

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2021-06-22
Revision date: 2021-06-21

Skin and Body Protection: No special protective equipment required

Respiratory Protection: No special protective equipment required

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical/Chemical Property	Value/Range	Remark
Physical state @ 20°C		
Appearance	Semi-viscous gel	
Color	Slightly yellow	
Odor	Grapefruit	
pH	4.5 – 5.5	
Melting point/freezing point (°C)	N/A	
Boiling point/boiling range (°C)	N/A	
Flash point (°C)	> 100	
Evaporation rate	N/A	
Flammability (solid, gas)	N/A	
Flammability limits		
Upper flammability limits (%)	N/A	
Lower flammability limits (%)	N/A	
Vapor pressure (mmHG)	N/A	
Vapor density (Air)	N/A	
Relative density (SG)	0.99 – 1.01	
Solubility (H ₂ O)	N/A	
Partition coefficient: n-octanol/water	N/A	
Auto-ignition temperature	N/A	
Decomposition temperature	N/A	
Viscosity		
Dynamic Viscosity (cP)	4k – 6k cPs	

SECTION 10: Stability and reactivity

Reactivity: Not classified as a reactivity hazard.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Heat, cold, direct sunlight

Incompatible materials: Oxidizing agents

Hazardous decomposition products: Carbon Dioxide, Carbon Monoxide

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2021-06-22
Revision date: 2021-06-21

SECTION 11: Toxicological information

Information on toxicological effects

Likely routes of exposure: Skin and eye contact

Acute toxicity

Classification: Not classified based on available information

Skin corrosion/irritation

In-vitro skin test: No information available.

Classification: Not classified based on available information

Eye damage/irritation

In vitro eye test: No information available.

Classification: Not classified based on available information

Sensitization to the respiratory tract

Classification: Not classified based on available information

Skin sensitization

Classification: Not classified based on available information

Germ cell mutagenicity

In vitro mutagenicity: No information available.

Classification: Not classified based on available information

Carcinogenicity

Classification: Not classified based on available information

Reproductive toxicity

Classification: Not classified based on available information

Specific target organ toxicity (single exposure)

Classification: Not classified based on available information

Specific target organ toxicity (repeated exposure)

Classification: Not classified based on available information

Aspiration hazard

Classification: Not classified based on available information.

Symptoms related to the physical, chemical and toxicological characteristics:

Effects after ingestion: No Known Effects.

Effects after skin contact: No Known Effects.

Effects after inhalation: No Known Effects.

Effects after eye contact: No Known Effects.

Chronic Symptoms: No Known Effects.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2021-06-22
Revision date: 2021-06-21

SECTION 12: Ecological information

Toxicity

Classification: Not classified based on available information

Persistence and degradability

Classification: Not classified based on available information

Bio-accumulative potential

Classification: Not classified based on available information

Mobility in soil

Classification: Not classified based on available information

SECTION 13: Disposal considerations

Waste treatment methods

- Product disposal:** Disposal of this product, solutions and any byproducts should at all times comply with the requirements of the environmental protection and waste disposal legislation and any regional local authority. This material and its container must be disposed of in a safe way.
- Packaging:** Waste packaging should be recycled. Empty containers or liners may retain some product residues.
- Waste treatment options:** Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
- Other disposal recommendations:** Dispose of the surplus and non-recyclable products via a licensed waste disposal contractor. Incineration or landfill should only be considered when recycling is not feasible.
- Additional information:** The generation of waste should be avoided or minimized wherever possible. Avoid dispersals of spilled material and runoff and contact with soil, waterways, drains and sewers.
- California Hazardous Waste Codes:** 561
(Non-household setting)

SECTION 14: Transport information

	DOT	IMDG	IATA-DGR
UN Number	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping name			
Transport hazard Class(es)			
Hazard label(s)			
Packing Group			

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2021-06-22
Revision date: 2021-06-21

Environmental Hazards			
Additional Information			

Special precautions for user: None

SECTION 15: Regulatory information

U.S. Federal regulations:

TSCA 8(d) H and S data reporting: Not applicable

SARA 302/304: Not applicable

SARA 311/312: Not applicable

SARA 313: Not applicable

National regulations: No additional information available

EU regulations: No additional information available

Other EU regulations: No additional information available

VOC content (% by w/w): Not applicable

US State RTK regulations: Not applicable

California Proposition 65: Not applicable

SECTION 16: Other information

Classification for mixtures according to regulation (EC) 1207/2008

Risk phrases: None

Safety phrases: None

Supplemental Hazard information:

N/A

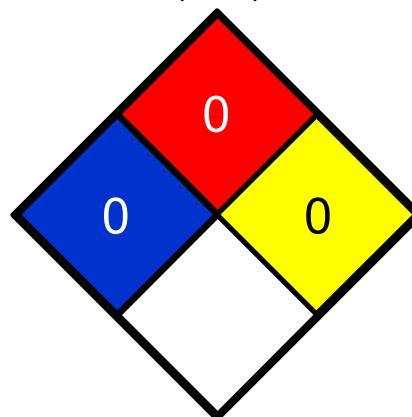
Further information: none

Indication of changes: initial

Hazardous Materials Identification System (HMIS)

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	0

National Fire Protection Association (NFPA)



Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 1.0 / EN

Print date: 2021-06-22
Revision date: 2021-06-21

Blue: Health hazard Red: Fire hazard Yellow: Reactivity hazard White: Special hazard

Abbreviations and acronyms:

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ATE =	Acute Toxicity Estimate	MARPOL 73/78 =	International Convention or the Prevention of Pollution from Ships
BCF =	Bio-concentration Factor	PEL =	Permissible Exposure Limits
BEI =	Biological Exposure Limits	REL =	Recommended Exposure Limits
DOT =	Department of Transportation	RID =	European Agreement concerning the International Carriage of Dangerous Goods by Rail
GHS =	Globally Harmonized System of Classification and Labeling of Chemicals	STEL =	Short-Term Exposure Limits
IATA =	International Air Transport Association	TLV =	Threshold Limit Values
IBC =	Intermediate Bulk Container	TWA =	Time Weighted Average
ICAO =	International Civil Aviation Organization	UN =	United Nations
IDLH =	Immediately Dangerous		

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Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 2.0 / EN

Print date: 2021-05-04
Revision date: 2021-05-03

SECTION 1: Identification

Product identifier: Olaplex 4-in-1 Moisture Mask
Application of the substance: Personal care product
Product details: Conditioner, 370 ml
Manufacturer:
Name: Olaplex, INC.
Address: 1187 Coast Village Road Suite #1-520
Santa Barbara, CA 93108

In case of medical emergencies, please contact your local poison control center.
Transportation emergency (24 hour), contact:
CHEMTREC - Phone # 1-800-565-9300

SECTION 2: Hazards identification

OSHA/HCS Status: This mixture is not considered hazardous by the OSHA Hazardous Communication Standard (29CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Classification of the mixture: Eye Irritation Category 2A
Skin Irritation Category 3

Hazard pictograms:



GHS07

Signal word: Warning

Hazard statements:
H316 Causes mild skin irritation.
H319 Causes serious eye irritation

Precautionary statements:
P103 Read label before use.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

Mixture: Water, Dimethicone, Cetyl Alcohol, Persea Gratissima (Avocado) Oil, Glycerin, Stearyl Alcohol, Ethylhexyl Oliviate, Behentrimonium Chloride, Cetrimonium Bromide, Limnanthes Alba (Meadowfoam) Seed Oil, Oryza Sativa (Rice) Bran Oil, Quaternium-80, Sodium Hyaluronate, Sodium PCA, Ceramide AP, Ceramide NP, Bis-Aminopropyl Diglycol Dimaleate, Cannabis Sativa (Hemp) Seed Oil, Rosa Canina (Rose Hip) Seed Extract, Hydrolyzed Jojoba, Esters, Arginine, Jojoba, Esters, Panthenol, Squalane, Carthamus Tinctorius (Safflower) Seed Oil, Glycine, Alanine, Serine, Valine, Isoleucine, Proline, Threonine, Guar Hydroxypropyltrimonium Chloride, Histidine, Hydroxyethylcellulose, Phenylalanine, Aspartic Acid, PCA, Phosphatidylcholine, Citric Acid, Sodium Lactate, Ethylhexylglycerin, Sodium Benzoate, Phenoxyethanol, Bis-Cetearyl Amodimethicone, Propylene Glycol, Isopropyl Alcohol, Sodium Nitrate, Tocopherol, Fragrance (Parfum), Citral, Hexyl Cinnamal, Limonene

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 2.0 / EN

Print date: 2021-05-04
Revision date: 2021-05-03

SECTION 4: First aid measures

Description of first aid measures

General information:	Check vital functions. Prevent cooling by covering the victim. Keep watching victim. Give physiological aid. Keep victim calm, avoid physical strain. Never give alcohol to drink.
Following inhalation:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Following skin contact:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes.
Following eye contact:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
Following ingestion:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed

Potential acute health effects

Inhalation:	No known effects of critical hazards
Skin contact:	No known effects of critical hazards
Eye contact:	No known effects of critical hazards
Ingestion:	No known effects of critical hazards

Over exposure signs and symptoms

Inhalation:	No known effects of critical hazards
Skin contact:	No known effects of critical hazards
Eye contact:	No known effects of critical hazards
Ingestion:	No known effects of critical hazards

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	None
Special hazards arising from the mixture:	In a fire if heated, a pressure increase may occur and the container may burst. Vapors may form explosive mixtures with air.
Hazardous combustion products:	Carbon Oxides
Protective equipment for fire fighters:	Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in a positive pressure mode.
Flash point:	> 100°C (Calculated)

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 2.0 / EN

Print date: 2020-05-04
Revision date: 2020-05-03

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through the spilled material. Put on appropriate personal protective equipment.

Protective equipment: None under normal use conditions

Emergency procedures: Keep upwind. Mark the area of release. Consider evacuation if necessary. Wash any contaminated clothing.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, air).

Methods and material for containment and cleaning up

Methods for containment: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulation.

Additional information: See Section 1 for contact information and Section 13 for waste disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling: Keep container closed when not in use.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container closed, dry and at a reasonable temperature.

Materials to avoid: None

Specific end uses: Personal Care/Cosmetics

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits:

N/A	N/A	N/A
-----	-----	-----

Environmental exposure controls: Environmental guidelines are not relevant when product is used as intended in a household setting.

Consumer exposure control: Exposure guidelines are not relevant when product is used as intended in a household setting.

Personal protective equipment

Eye Protection: No special protective equipment required

Hand Protection: No special protective equipment required

Skin and Body Protection: No special protective equipment required

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 2.0 / EN

Print date: 2020-05-04
Revision date: 2020-05-03

Respiratory Protection: No special protective equipment required

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 2.0 / EN

Print date: 2021-05-04
Revision date: 2021-07-20

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical/Chemical Property	Value/Range	Remark
Physical state @ 20°C		
Appearance	Semi-viscous Cream	
Color	Off-White	
Odor	Floral	
pH	4.0 – 4.5	
Melting point/freezing point (°C)	N/A	
Boiling point/boiling range (°C)	N/A	
Flash point (°C)	> 100	
Evaporation rate	N/A	
Flammability (solid, gas)	N/A	
Flammability limits		
Upper flammability limits (%)	N/A	
Lower flammability limits (%)	N/A	
Vapor pressure (mmHG)	N/A	
Vapor density (Air)	N/A	
Relative density (SG)	0.96 – 0.98	
Solubility (H ₂ O)	N/A	
Partition coefficient: n-octanol/water	N/A	
Auto-ignition temperature	N/A	
Decomposition temperature	N/A	
Viscosity		
Dynamic Viscosity (cP)	15k – 20k cPs	

SECTION 10: Stability and reactivity

Reactivity: Not classified as a reactivity hazard.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Heat, cold, direct sunlight

Incompatible materials: Oxidizing agents

Hazardous decomposition products: Carbon Dioxide, Carbon Monoxide

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 2.0 / EN

Print date: 2021-05-04
Revision date: 2021-05-03

SECTION 11: Toxicological information

Information on toxicological effects

Likely routes of exposure: Skin and eye contact

Acute toxicity

Classification: Not classified based on available information

Skin corrosion/irritation

In-vitro skin test: No information available.

Classification: Not classified based on available information

Eye damage/irritation

In vitro eye test: No information available.

Classification: Not classified based on available information

Sensitization to the respiratory tract

Classification: Not classified based on available information

Skin sensitization

Classification: Not classified based on available information

Germ cell mutagenicity

In vitro mutagenicity: No information available.

Classification: Not classified based on available information

Carcinogenicity

Classification: Not classified based on available information

Reproductive toxicity

Classification: Not classified based on available information

Specific target organ toxicity (single exposure)

Classification: Not classified based on available information

Specific target organ toxicity (repeated exposure)

Classification: Not classified based on available information

Aspiration hazard

Classification: Not classified based on available information.

Symptoms related to the physical, chemical and toxicological characteristics:

Effects after ingestion: No Known Effects.

Effects after skin contact: No Known Effects.

Effects after inhalation: No Known Effects.

Effects after eye contact: No Known Effects.

Chronic Symptoms: No Known Effects.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 2.0 / EN

Print date: 2021-05-04
Revision date: 2021-05-03

SECTION 12: Ecological information

Toxicity

Classification: Not classified based on available information

Persistence and degradability

Classification: Not classified based on available information

Bio-accumulative potential

Classification: Not classified based on available information

Mobility in soil

Classification: Not classified based on available information

SECTION 13: Disposal considerations

Waste treatment methods

Product disposal: Disposal of this product, solutions and any byproducts should at all times comply with the requirements of the environmental protection and waste disposal legislation and any regional local authority. This material and its container must be disposed of in a safe way.

Packaging: Waste packaging should be recycled. Empty containers or liners may retain some product residues.

Waste treatment options: Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Other disposal recommendations: Dispose of the surplus and non-recyclable products via a licensed waste disposal contractor. Incineration or landfill should only be considered when recycling is not feasible.

Additional information: The generation of waste should be avoided or minimized wherever possible. Avoid dispersals of spilled material and runoff and contact with soil, waterways, drains and sewers.

California Hazardous Waste Codes: 561
(Non-household setting)

SECTION 14: Transport information

	DOT	IMDG	IATA-DGR
UN Number	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping name			
Transport hazard Class(es)			
Hazard label(s)			
Packing Group			

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
 Product No:
 Version: 2.0 / EN

Print date: 2020-05-04
 Revision date: 2020-05-03

Environmental Hazards			
Additional Information			

Special precautions for user: None

SECTION 15: Regulatory information

U.S. Federal regulations:

TSCA 8(d) H and S data reporting: Not applicable

SARA 302/304: Not applicable

SARA 311/312: Not applicable

SARA 313: Not applicable

National regulations: No additional information available

EU regulations: No additional information available

Other EU regulations: No additional information available

VOC content (% by w/w): Not applicable

US State RTK regulations: Not applicable

California Proposition 65: Not applicable

SECTION 16: Other information

Classification for mixtures according to regulation (EC) 1207/2008

Risk phrases:

R38 Irritating to skin.

Safety phrases:

S07 Keep container tightly closed.

Supplemental Hazard information:

N/A

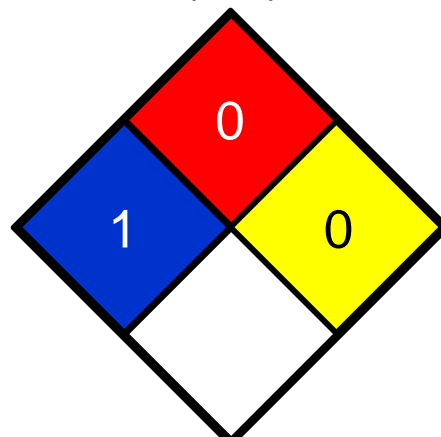
Further information: none

Indication of changes: initial

**Hazardous Materials Identification System
(HMIS)**

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	0

**National Fire Protection Association
(NFPA)**



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name:
Product No:
Version: 2.0 / EN

Print date: 2021-05-04
Revision date: 2021-05-03

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Blue: Health hazard Red: Fire hazard Yellow: Reactivity hazard White: Special hazard

Abbreviations and acronyms:

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ATE =	Acute Toxicity Estimate	MARPOL 73/78 =	International Convention on the Prevention of Pollution from Ships
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BEI =	Biological Exposure Limits	REL =	Recommended Exposure Limits
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IATA =	International Air Transport Association	TLV =	Threshold Limit Values
IBC =	Intermediate Bulk Container	TWA =	Time Weighted Average
ICAO =	International Civil Aviation Organization	UN =	United Nations
IDLH =	Immediately Dangerous		

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or the completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

OLAPLEX BROAD SPECTRUM CHELATING TREATMENT

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : OLAPLEX BROAD SPECTRUM CHELATING TREATMENT

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

Cosmetic Care.

1.3. Details of the supplier of the safety data sheet

Registered company name : Olaplex.

Address : INC.1187 Coast Village Road Suite #1-520.CA 9310.Santa Barbara.USA.

Telephone : . Fax : .

1.4. Emergency telephone number : 1-800-565-9300.

Association/Organisation : CHEMTREC.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

HCS compliant.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

2.2. Label elements

HCS compliant.

No labelling requirements for this mixture.

2.3. Other hazards

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

No substance fulfils the criteria specified in annexe D, table D.1 of the HCS.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

In the event of swallowing :

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

OLAPLEX BROAD SPECTRUM CHELATING TREATMENT

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

OLAPLEX BROAD SPECTRUM CHELATING TREATMENT

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVA (Polyvinyl alcohol)

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

No data available.

Physical state

Physical state : Fluid liquid.

Colour

Pale yellow

Odour

Odour threshold : Not stated.

Odorless

Melting point

Melting point/melting range : Not specified.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not specified.

Flammability

Flammability (solid, gas) : Not stated.

OLAPLEX BROAD SPECTRUM CHELATING TREATMENT

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.
Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not specified.

Decomposition temperature

Decomposition point/decomposition range : Not specified.

pH

pH : Not stated.

Neutral.

pH (aqueous solution) : Not stated.

8.5 < pH < 9

Kinematic viscosity

Viscosity : Not stated.

Solubility

Water solubility : Insoluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Between 175 kPa and 300 kPa inclusive.

Density and/or relative density

Density : < 1

Relative vapour density

Vapour density : Not stated.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

OLAPLEX BROAD SPECTRUM CHELATING TREATMENT

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

No toxicological data available for the substances.

11.1.2 Complex substance

No toxicological data available for the substances.

11.2. Information on other hazards

SECTION 12 : ECOLOGICAL INFORMATION

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.2 Complex substance

No aquatic toxicity data available for the substances.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

The appropriate waste management of the mixture and/or its container must be determined in accordance with local regulations.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

OLAPLEX BROAD SPECTRUM CHELATING TREATMENT

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

SECTION 15 : REGULATORY INFORMATION

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

The following regulations have been used:

- OSHA Hazard Communication Standard 29 CFR 1910.1200
- **Container information:**
No data available.
- **Particular provisions :**
No data available.
- **Clean Water Act : Toxic Pollutants (CWA 307A)**
Unlisted.
- **Clean Water Act : Hazardous Substances (CWA 311)**
Unlisted.
- **Clean Water Act : Hazardous Substances (CWA 304b)**
Unlisted.
- **Clean Water Act : Priority Pollutants (CWA Priority)**
Unlisted.
- **Clean Air Act : Hazardous Air Pollutants (CAA 112(b) HAP (188))**
Unlisted.
- **Clean Air Act : Organic Hazardous Air Pollutants National Emission Standards (CAA 112(b) HON (387))**

CAS	Name
56-81-5	GLYCEROL
122-99-6	2-PHENOXYETHANOL
107-88-0	1,3-BUTANEDIOL
- **Clean Air Act : Protection of Stratospheric Ozone (CAA 602)**
Unlisted.
- **SARA 110**
Unlisted.
- **SARA 302/304**
Unlisted.
- **SARA 313**

CAS	Name
1310-73-2	SODIUM HYDROXIDE
- **California proposition 65 : Chemicals known to the state to cause cancer or reproductive toxicity**
Unlisted.
- **Massachusetts : Right to Know**

CAS	Name
1310-73-2	SODIUM HYDROXIDE
- **New Jersey : Right to Know**

CAS	Name
56-81-5	GLYCEROL
1310-73-2	SODIUM HYDROXIDE

OLAPLEX BROAD SPECTRUM CHELATING TREATMENT

- Pennsylvania : Hazardous Substance

CAS	Name
56-81-5	GLYCEROL
1310-73-2	SODIUM HYDROXIDE

- Rhode Island : Hazardous substance list

CAS	Name
56-81-5	GLYCEROL
1310-73-2	SODIUM HYDROXIDE

- TSCA (Toxic Substances Control Act) - USA

CAS	Name
9004-62-0	HYDROXYETHYLCELLULOSE
7732-18-5	WATER
56-81-5	GLYCEROL
532-32-1	SODIUM BENZOATE
1310-73-2	SODIUM HYDROXIDE
122-99-6	2-PHENOXYETHANOL
107-88-0	1,3-BUTANEDIOL

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Abbreviations :

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

HCS : Hazard Communication standard (OSHA).

OLAPLEX VOLUMIZING BLOW DRY MIST

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : OLAPLEX VOLUMIZING BLOW DRY MIST

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

Cosmetic Care.

1.3. Details of the supplier of the safety data sheet

Registered company name : Olaplex.

Address : INC.1187 Coast Village Road Suite #1-520.CA 9310.Santa Barbara.USA.

Telephone : . Fax : .

1.4. Emergency telephone number : 1-800-565-9300.

Association/Organisation : CHEMTREC.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS compliant.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

GHS compliant.

No labelling requirements for this mixture.

2.3. Other hazards

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

No substance fulfils the criteria specified in annexe 4, section 4.3.3.2 of the GHS.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of swallowing :

Seek medical attention, showing the label.

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

No data available.

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

No data available.

OLAPLEX VOLUMIZING BLOW DRY MIST

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Packaging

Always keep in packaging made of an identical material to the original.

OLAPLEX VOLUMIZING BLOW DRY MIST

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

No data available.

Physical state

Physical state : Fluid liquid.

Colour

Yellow

Odour

Odour threshold : Not stated.

Specific

Sweet Grapefruit

Melting point

Melting point/melting range : Not relevant.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not relevant.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not relevant.

OLAPLEX VOLUMIZING BLOW DRY MIST

Decomposition temperature

Decomposition point/decomposition range : Not relevant.

pH

pH (aqueous solution) : 4.00 - 5.00 at 25 °C

pH : 4.50 0,5.
Slightly acidic.

Kinematic viscosity

Viscosity : Not stated.

Solubility

Water solubility : Soluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50 °C) : Not relevant.

Density and/or relative density

Density : Not stated.

Relative vapour density

Vapour density : Not stated.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

11.1.1. Substances

No toxicological data available for the substances.

OLAPLEX VOLUMIZING BLOW DRY MIST

11.1.2 Complex substance

No toxicological data available for the substances.

11.2. Information on other hazards

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 108-88-3 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 89-82-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 123-35-3 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 128-37-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 9003-39-8 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.2 Complex substance

No aquatic toxicity data available for the substances.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

The appropriate waste management of the mixture and/or its container must be determined in accordance with local regulations.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

OLAPLEX VOLUMIZING BLOW DRY MIST

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

-

SECTION 15 : REGULATORY INFORMATION

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

The following regulations have been used:

- Globally Harmonized System of Classification and Labelling of Chemicals (GHS), review no. 8 (2019)

- Container information:

No data available.

- Particular provisions :

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Abbreviations :

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

OLAPLEX LASHBOND BUILDING SERUM

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : OLAPLEX LASHBOND BUILDING SERUM

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

Cosmetic Care.

1.3. Details of the supplier of the safety data sheet

Registered company name : Olaplex.

Address : INC.1187 Coast Village Road Suite #1-520.CA 9310.Santa Barbara.USA.

Telephone : . Fax : .

1.4. Emergency telephone number : 1-800-565-9300.

Association/Organisation : CHEMTREC.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

HCS compliant.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

2.2. Label elements

HCS compliant.

No labelling requirements for this mixture.

2.3. Other hazards

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	HCS	Nota	%
INDEX: I56_81_5 CAS: 56-81-5 EC: 200-289-5 GLYCEROL		[1]	0 <= x % < 2.5

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

OLAPLEX LASHBOND BUILDING SERUM

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

In the event of swallowing :

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

OLAPLEX LASHBOND BUILDING SERUM

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
56-81-5	10 mg/m ³				

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
56-81-5		200 E mg/m ³		2 (I)

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
56-81-5	-	10	-	-	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
56-81-5	10 mg/m ³				

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

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Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVA (Polyvinyl alcohol)

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

No data available.

Physical state

Physical state : Fluid liquid.

Gel

Colour

No color

Odour

Odour threshold : Not stated.

Specific

Melting point

Melting point/melting range : Not specified.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not specified.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not specified.

Decomposition temperature

Decomposition point/decomposition range : Not specified.

pH

pH : Not stated.

Neutral.

pH (aqueous solution) : Not stated.

Kinematic viscosity

Viscosity : Not stated.

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Solubility

Water solubility : Insoluble.
Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50 °C) : Between 175 kPa and 300 kPa inclusive.

Density and/or relative density

Density : < 1

Relative vapour density

Vapour density : Not stated.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture

No toxicological data available for the mixture.

11.2. Information on other hazards

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SECTION 12 : ECOLOGICAL INFORMATION

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the substances.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

The appropriate waste management of the mixture and/or its container must be determined in accordance with local regulations.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

-

SECTION 15 : REGULATORY INFORMATION

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

The following regulations have been used:

- OSHA Hazard Communication Standard 29 CFR 1910.1200

- Container information:

No data available.

- Particular provisions :

No data available.

- Clean Water Act : Toxic Pollutants (CWA 307A)

Unlisted.

- Clean Water Act : Hazardous Substances (CWA 311)

Unlisted.

- Clean Water Act : Hazardous Substances (CWA 304b)

Unlisted.

- Clean Water Act : Priority Pollutants (CWA Priority)

Unlisted.

- Clean Air Act : Hazardous Air Pollutants (CAA 112(b) HAP (188))

Unlisted.

- Clean Air Act : Organic Hazardous Air Pollutants National Emission Standards (CAA 112(b) HON (387))

CAS	Name
56-81-5	GLYCEROL
122-99-6	2-PHENOXYETHANOL
107-88-0	1,3-BUTANEDIOL

- Clean Air Act : Protection of Stratospheric Ozone (CAA 602)

Unlisted.

- SARA 110

Unlisted.

- SARA 302/304

Unlisted.

- SARA 313

Unlisted.

- California proposition 65 : Chemicals known to the state to cause cancer or reproductive toxicity

Unlisted.

- Massachusetts : Right to Know

CAS	Name
124-68-5	2-AMINO-2-METHYLPROPANOL

- New Jersey : Right to Know

CAS	Name
56-81-5	GLYCEROL
124-68-5	2-AMINO-2-METHYLPROPANOL

- Pennsylvania : Hazardous Substance

CAS	Name
56-81-5	GLYCEROL
124-68-5	2-AMINO-2-METHYLPROPANOL

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- Rhode Island : Hazardous substance list

CAS	Name
56-81-5	GLYCEROL

- TSCA (Toxic Substances Control Act) - USA

CAS	Name
9004-62-0	HYDROXYETHYLCELLULOSE
81-13-0	DEXPANTHENOL
7732-18-5	WATER
77-92-9	CITRIC ACID
590-00-1	POTASSIUM SORBATE
56-81-5	GLYCEROL
532-32-1	SODIUM BENZOATE
124-68-5	2-AMINO-2-METHYLPROPANOL
122-99-6	2-PHENOXYETHANOL
110-44-1	HEXA-2,4-DIENOIC ACID
107-88-0	1,3-BUTANEDIOL

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Abbreviations :

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

HCS : Hazard Communication standard (OSHA).