SAFETY DATA SHEET

SoftSheen·Carson®

1. Identification

Product identifier **SOFTSHEEN-CARSON DARK & LOVELY FADE RESIST CREAM DEVELOPER (25 VOL)**

Other means of identification

SDS number 00-26-0000019

Recommended use Personal care product used for cosmetic effect.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

US Address:
L'Oreal USA Products, Inc
133 Terminal Avenue
Clark, NJ 07066
USA

Canadian Address:
L'Oreal Canada
4895 rue Hickmore
Ville St-Laurent, H4T 1K5
Canada

Emergency Phone # :
1-800-535-5053 (International: 352-323-3500)
In Canada - 1-613-996-6666 (Canutec (*666 Cellular))

For further Information: 1-732-499-2741

Poison Control # : 412-390-3326

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Serious eye damage/eye irritation Category 2A

OSHA defined hazards Not classified.

Label elements

Signal word Warning

Hazard statement Causes serious eye irritation.

Precautionary statement

Prevention Wash thoroughly after handling. Wear eye protection/face protection.

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.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
HYDROGEN PEROXIDE		7722-84-1	7.5

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
HYDROGEN PEROXIDE (CAS 7722-84-1)	PEL	1.4 mg/m3
		1 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
HYDROGEN PEROXIDE (CAS 7722-84-1)	TWA	1 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
HYDROGEN PEROXIDE (CAS 7722-84-1)	TWA	1.4 mg/m3
		1 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Cream.

Color White

Odor Not available.

Odor threshold Not available.

pH 2 - 2.4

Melting point/freezing point Not available.

Initial boiling point and boiling range > 212 °F (> 100 °C)

Flash point > 212.0 °F (> 100.0 °C) Closed Cup

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
HYDROGEN PEROXIDE (CAS 7722-84-1)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg OECD 402
Inhalation		
Vapor		
LC0	Rat	170 mg/m³, 4 h OECD 403
Oral		
LD50	Rat	693.7 mg/kg OECD 401

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation No adverse effects due to skin contact are expected.

Irritation Corrosion - Skin

HYDROGEN PEROXIDE	OECD 404, 35% ≥ C < 50% Result: Irritating Species: Rabbit

Irritation Corrosion - Skin

HYDROGEN PEROXIDE	OECD 404, C ≥ 50% Result: Corrosive Species: Rabbit

Serious eye damage/eye irritation Causes serious eye irritation.

Irritation Corrosion - Eye

HYDROGEN PEROXIDE	OECD 405, 5% ≥ C < 8% Result: Irritating Species: Rabbit OECD 405, C ≥ 8% Result: Corrosive Species: Rabbit

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Skin sensitization

HYDROGEN PEROXIDE	Result: Not Sensitizing Species: Guinea pig

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Mutagenicity

HYDROGEN PEROXIDE	Result: In vitro tests showed mutagenic effects which were not observed with in vivo test.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

HYDROGEN PEROXIDE (CAS 7722-84-1)	3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

HYDROGEN PEROXIDE	0, C ≥ 35% Result: Irritating

Specific target organ toxicity - repeated exposure Not classified.

HYDROGEN PEROXIDE	2.9 mg/L air OECD 412, Inhalation Result: NOAEL Species: Rat Test Duration: 28 d 26 mg/kg bw/d OECD 408, Oral Result: NOAEL Species: Mouse Test Duration: 90 d

Aspiration hazard Not an aspiration hazard.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
HYDROGEN PEROXIDE (CAS 7722-84-1)			
Aquatic			
Acute			
Algae	EC50	Chlorella vulgaris	2.5 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia pulex	2.4 mg/l, 48 h
Fish	LC50	Pimephales promelas	16.4 mg/l, 96 h

Components		Species	Test Results
Other	EC50	Activated sludge of a predominantly domestic sewage	2.5 mg/l, 30 min OECD 209
Chronic			
Crustacea	NOEC	Daphnia magna	0.63 mg/l, 21 d ASTM E 1193-97

* Estimates for product may be based on additional component data not shown.

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

HYDROGEN PEROXIDE — 99 % OECD 209
Result: Readily Biodegradable

Bioaccumulative potential

Mobility in soil — No data available.

Other adverse effects — No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions — Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations — Dispose in accordance with all applicable regulations.

Hazardous waste code — Not regulated.

Waste from residues / unused products — Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging — Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

FINISHED GOODS

Not regulated as dangerous goods.

BULK

Not regulated as dangerous goods.

IATA

FINISHED GOODS

Not regulated as dangerous goods.

BULK

Not regulated as dangerous goods.

IMDG

FINISHED GOODS

Not regulated as dangerous goods.

BULK

Not regulated as dangerous goods.

15. Regulatory information

US federal regulations — This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

HYDROGEN PEROXIDE (CAS 7722-84-1) 1000 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (pounds)
HYDROGEN PEROXIDE	7722-84-1	1000	1000		

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

16. Other information, including date of preparation or last revision

Issue date 03-15-2019

Version # 01

NFPA ratings
Health: 2
Flammability: 1
Instability: 0

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.

SAFETY DATA SHEET

SOFTSHEEN·CARSON®

1. Identification

Product identifier **SOFTSHEEN-CARSON DARK AND LOVELY FADE RESIST AFTER COLOR CONDITIONER**

Other means of identification

SDS number 00-12-0001427

Recommended use Personal care product used for cosmetic effect.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

US Address:
L'Oreal USA Products, Inc
133 Terminal Avenue
Clark, NJ 07066
USA

Canadian Address:
L'Oreal Canada
4895 rue Hickmore
Ville St-Laurent, H4T 1K5
Canada

Emergency Phone # :
1-800-535-5053 (International: 352-323-3500)
In Canada - 1-613-996-6666 (Canutec (*666 Cellular))

For further Information: 1-732-499-2741

Poison Control # : 412-390-3326

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards

Serious eye damage/eye irritation	Category 2A
Reproductive toxicity (the unborn child)	Category 2

OSHA defined hazards Not classified.

Label elements

Signal word Warning

Hazard statement Causes serious eye irritation. Suspected of damaging the unborn child.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Storage Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
STEARAMIDOPROPYL DIMETHYLAMINE		7651-02-7	2.37
HELIANTHUS ANNUUS (SUNFLOWER) SEED OIL		8001-21-6	1
SALICYLIC ACID		69-72-7	0.2

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
HELIANTHUS ANNUUS (SUNFLOWER) SEED OIL (CAS 8001-21-6)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
HELIANTHUS ANNUUS (SUNFLOWER) SEED OIL (CAS 8001-21-6)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
HELIANTHUS ANNUUS (SUNFLOWER) SEED OIL (CAS 8001-21-6)	TWA	5 mg/m3	Respirable mist.
		10 mg/m3	Total mist

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection

Applicable for industrial settings only. Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

Hand protection

Applicable for industrial settings only. Wear appropriate chemical resistant gloves.

Other

Applicable for industrial settings only. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

Applicable for industrial settings only. Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state

Liquid.

Form

Cream.

Color	White.
Odor	Characteristic.
Odor threshold	Not available.
pH	3.5 - 4.5
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 212 °F (> 100 °C)
Flash point	> 199.4 °F (> 93.0 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Acute toxicity

Product	Species	Test Results
SOFTSHEEN-CARSON DARK AND LOVELY FADE RESIST AFTER COLOR CONDITIONER		
Acute		
Dermal		
ATEmix		279300 mg/kg
Oral		
ATEmix		61240 mg/kg

Components	Species	Test Results
SALICYLIC ACID (CAS 69-72-7)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg OECD 402
Oral		
LD50	Rat	891 mg/kg OECD 401
STEARAMIDOPROPYL DIMETHYLAMINE (CAS 7651-02-7)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Oral		
LD50	Rat	> 2000 mg/kg OECD 423

Skin corrosion/irritation No adverse effects due to skin contact are expected.

Irritation Corrosion - Skin

SALICYLIC ACID	OECD 404 Result: Not Irritating Species: Rabbit
STEARAMIDOPROPYL DIMETHYLAMINE	OECE 404 Result: Slightly Irritating Species: Rabbit

Serious eye damage/eye irritation Causes serious eye irritation.

Irritation Corrosion - Eye

STEARAMIDOPROPYL DIMETHYLAMINE	OECD 405 Result: Corrosive Species: Rabbit
SALICYLIC ACID	Result: Severely Irritating Species: Rabbit

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Skin sensitization

STEARAMIDOPROPYL DIMETHYLAMINE	OECD 406 Result: Not Sensitizing Species: Guinea pig
SALICYLIC ACID	OECD 429 Result: Not Sensitizing Species: Mouse

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Mutagenicity

STEARAMIDOPROPYL DIMETHYLAMINE	Result: In vitro tests did not show mutagenic effects

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity Suspected of damaging the unborn child.

Developmental effects

STEARAMIDOPROPYL DIMETHYLAMINE	200 mg/kg bw/d OECD 421, No effects on development Result: NOAEL Species: Rat
SALICYLIC ACID	75 mg/kg bw/d OECD 414 Result: NOAEL Species: Rat

Reproductivity

SALICYLIC ACID	250 mg/kg bw/d OECD 416, Based on test data for structurally similar materials. Result: NOAEL Species: Rat
STEARAMIDOPROPYL DIMETHYLAMINE	70 mg/kg bw/d OECD 421 Result: NOAEL Species: Rat

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

STEARAMIDOPROPYL DIMETHYLAMINE	> 200 mg/kg bw/d OECD 411, Dermal Result: NOAEL Species: Rat Test Duration: 90 d
SALICYLIC ACID	700 mg/m3 air OECD 412, Based on test data for structurally similar materials. Result: NOEC Species: Rat Test Duration: 28 d

Aspiration hazard Not an aspiration hazard.

Further information The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
SALICYLIC ACID (CAS 69-72-7)			
Aquatic			
Acute			
Algae	EC50	Desmodesmus subspicatus	> 100 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	870 mg/l, 48 h OECD 202
Fish	LC50	Pimephales promelas	1370 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage	> 1000 mg/l, 3 h OECD 209
Chronic			
Crustacea	NOEC	Daphnia magna	10 mg/l, 21 d OECD 202
STEARAMIDOPROPYL DIMETHYLAMINE (CAS 7651-02-7)			
Aquatic			
Acute			
Algae	EC50	Desmodesmus subspicatus	0.14 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	0.381 mg/l, 48 h OECD 202
Fish	LC50	Oncorhynchus mykiss	0.1 - 1 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage	100 - 1000 mg/l, 3 h OECD 209

Components		Species	Test Results
Chronic			
Crustacea	NOEC	Daphnia magna	0.2 mg/l, 21 d OECD 211
Fish	NOEC	Danio rerio	0.1 mg/l, 9 d OECD 212

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

SALICYLIC ACID	100 % OECD 301 C Result: Readily Biodegradable Test Duration: 28 d
STEARAMIDOPROPYL DIMETHYLAMINE	88 % OECD 301 Result: Readily Biodegradable Test Duration: 28 d

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

SALICYLIC ACID	2.26

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

FINISHED GOODS

Not regulated as dangerous goods.

BULK

Not regulated as dangerous goods.

IATA

FINISHED GOODS

Not regulated as dangerous goods.

BULK

Not regulated as dangerous goods.

IMDG

FINISHED GOODS

Not regulated as dangerous goods.

BULK

Not regulated as dangerous goods.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No (Exempt)

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

16. Other information, including date of preparation or last revision

Issue date	05-05-2023
Version #	01
NFPA ratings	Health: 2 Flammability: 1 Instability: 0
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.

SAFETY DATA SHEET

SOFTSHEEN·CARSON®

1. Identification

Product identifier **SOFTSHEEN-CARSON DARK AND LOVELY HIGH-LIFT BOOSTER**

Other means of identification

SDS number 50-23-0000013

Recommended use Personal care product used for cosmetic effect.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

US Address:
L'Oreal USA Products, Inc
133 Terminal Avenue
Clark, NJ 07066
USA

Canadian Address:
L'Oreal Canada
4895 rue Hickmore
Ville St-Laurent, H4T 1K5
Canada

Emergency Phone # :
1-800-535-5053 (International: 352-323-3500)
In Canada - 1-613-996-6666 (Canutec (*666 Cellular))

For further Information: 1-732-499-2741

Poison Control # : 412-390-3326

2. Hazard(s) identification

Physical hazards	Oxidizing solids	Category 3
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Sensitization, respiratory	Category 1
	Sensitization, skin	Category 1
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation

OSHA defined hazards Not classified.

Label elements

Signal word Danger

Hazard statement May intensify fire; oxidizer. Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Precautionary statement

Prevention	Keep away from heat. Keep/Store away from clothing/combustible materials. Take any precaution to avoid mixing with combustibles. Avoid breathing dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.
Response	If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
POTASSIUM PERSULFATE		7727-21-1	36
SODIUM PERSULFATE		7775-27-1	26.25
SODIUM METASILICATE		6834-92-0	13
AMMONIUM CHLORIDE		12125-02-9	7
SODIUM LAURYL SULFATE		68955-19-1	4
HYDRATED SILICA		112926-00-8	2
KAOLIN		1332-58-7	2
SODIUM STEARATE		822-16-2	1.94

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a poison center or doctor/physician.
Skin contact	If on clothing: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
Eye contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. Contact with combustible material may cause fire. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.
General fire hazards	May intensify fire; oxidizer. Contact with combustible material may cause fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep away from clothing and other combustible materials. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Keep combustibles (wood, paper, oil, etc.) away from spilled material. Ventilate the contaminated area. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Minimize dust generation and accumulation. Collect dust using a vacuum cleaner equipped with HEPA filter. Wear appropriate protective equipment and clothing during clean-up. Stop the flow of material, if this is without risk. Large Spills: Wet down with water and dike for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. Shovel the material into waste container. Following product recovery, flush area with water. Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Keep away from heat. Provide appropriate exhaust ventilation at places where dust is formed. Take any precaution to avoid mixing with combustibles. Keep away from clothing and other combustible materials. Do not get this material in contact with eyes. Do not taste or swallow. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Do not store near combustible materials. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
KAOLIN (CAS 1332-58-7)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
AMMONIUM CHLORIDE (CAS 12125-02-9)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
HYDRATED SILICA (CAS 112926-00-8)	TWA	0.8 mg/m3	
		20 mppcf	
KAOLIN (CAS 1332-58-7)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
AMMONIUM CHLORIDE (CAS 12125-02-9)	STEL	20 mg/m3	Fume.
	TWA	10 mg/m3	Fume.
KAOLIN (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
POTASSIUM PERSULFATE (CAS 7727-21-1)	TWA	0.1 mg/m3	
SODIUM PERSULFATE (CAS 7775-27-1)	TWA	0.1 mg/m3	
SODIUM STEARATE (CAS 822-16-2)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
AMMONIUM CHLORIDE (CAS 12125-02-9)	STEL	20 mg/m3	Fume.
	TWA	10 mg/m3	Fume.
HYDRATED SILICA (CAS 112926-00-8)	TWA	6 mg/m3	
KAOLIN (CAS 1332-58-7)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Applicable for industrial settings only. Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Hand protection Applicable for industrial settings only. Wear appropriate chemical resistant gloves. Frequent change is advisable.

Other Applicable for industrial settings only. Wear appropriate chemical resistant clothing.

Respiratory protection Applicable for industrial settings only. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Dust & vapor respirator.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations	Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance	
Physical state	Solid.
Form	Powder.
Color	White.
Odor	Not available.
Odor threshold	Not available.
pH	Not applicable.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	May intensify fire; oxidizer.
pH in aqueous solution	10.25 - 10.75 (1%)

10. Stability and reactivity

Reactivity	Greatly increases the burning rate of combustible materials.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Combustible material. Reducing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Ingestion	Harmful if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Harmful if swallowed.

Product	Species	Test Results
SOFTSHEEN-CARSON DARK AND LOVELY HIGH-LIFT BOOSTER		
Acute		
Dermal		
ATEmix		123600 mg/kg
Oral		
ATEmix		1272 mg/kg

Components	Species	Test Results
AMMONIUM CHLORIDE (CAS 12125-02-9)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg EU Method B.3
Oral		
LD50	Rat	1410 mg/kg OECD 401
HYDRATED SILICA (CAS 112926-00-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
Oral		
LD50	Rat	> 3300 mg/kg
KAOLIN (CAS 1332-58-7)		
Acute		
Dermal		
LD50	Rat	> 5000 mg/kg
Oral		
LD50	Rat	> 5000 mg/kg
POTASSIUM PERSULFATE (CAS 7727-21-1)		
Acute		
Dermal		
LD50	Rabbit	> 10000 mg/kg
Inhalation		
LC50	Rat	> 42.9 mg/l, 1 h
Oral		
LD50	Rat	1130 mg/kg OECD 401
SODIUM LAURYL SULFATE (CAS 68955-19-1)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg OECD 402

Components	Species	Test Results
Oral		
LD50	Rat	4010 mg/kg OECD 401
SODIUM METASILICATE (CAS 6834-92-0)		
Acute		
Dermal		
LD50	Rat	> 5000 mg/kg Based on test data for structurally similar materials.
Inhalation		
LC50	Rat	> 2.06 mg/l, 4.4 h Based on test data for structurally similar materials.
Oral		
LD50	Rat	1152 mg/kg
SODIUM PERSULFATE (CAS 7775-27-1)		
Acute		
Dermal		
LD50	Rabbit	> 10000 mg/kg
Inhalation		
Dust		
LC50	Rat	> 5.1 mg/l, 4 h OECD 403
Oral		
LD50	Rat	920 mg/kg OECD 401

Skin corrosion/irritation Causes skin irritation.

Irritation Corrosion - Skin

AMMONIUM CHLORIDE	Draize Result: Not Irritating Species: Rabbit
SODIUM METASILICATE	OECD 404 Result: Corrosive Species: Rabbit
SODIUM LAURYL SULFATE	OECD 404, (88.7% a.i.) Result: Irritating Species: Rabbit
POTASSIUM PERSULFATE	Result: Irritating Species: Human
SODIUM PERSULFATE	Result: Irritating Species: Human

Serious eye damage/eye irritation Causes serious eye damage.

Irritation Corrosion - Eye

SODIUM METASILICATE	IRE Result: Corrosive Species: In vitro
POTASSIUM PERSULFATE	Result: Irritating Species: Human
SODIUM PERSULFATE	Result: Irritating Species: Human
AMMONIUM CHLORIDE	Result: Irritating Species: Rabbit

Respiratory or skin sensitization

Respiratory sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.

POTASSIUM PERSULFATE	Result: Sensitizing Species: Human
SODIUM PERSULFATE	Result: Sensitizing Species: Human

Skin sensitization May cause an allergic skin reaction.

Sensitization

SODIUM PERSULFATE	OECD 406 Result: Sensitizing Species: Guinea pig
POTASSIUM PERSULFATE	OECD 429 Result: Sensitizing Species: Mouse

Skin sensitization

SODIUM LAURYL SULFATE	OECD 406 Result: Not Sensitizing Species: Guinea pig
SODIUM PERSULFATE	OECD 406 Result: Sensitizing Species: Guinea pig
SODIUM METASILICATE	OECD 429 Result: Not Sensitizing Species: Mouse
POTASSIUM PERSULFATE	OECD 429 Result: Sensitizing Species: Guinea pig
AMMONIUM CHLORIDE	Result: Not Sensitizing Species: Guinea pig

Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible.

Mutagenicity

SODIUM METASILICATE	Result: In vitro and in vivo tests did not show mutagenic effects.
SODIUM PERSULFATE	Result: In vitro and in vivo tests did not show mutagenic effects.
POTASSIUM PERSULFATE	Result: In vitro tests did not show mutagenic effects
SODIUM LAURYL SULFATE	Result: In vitro tests did not show mutagenic effects
AMMONIUM CHLORIDE	Result: In vitro tests showed mutagenic effects which were not observed with in vivo tests.

Carcinogenicity Not classifiable as to carcinogenicity to humans. Due to partial or complete lack of data the classification is not possible.

IARC Monographs. Overall Evaluation of Carcinogenicity

HYDRATED SILICA (CAS 112926-00-8)	3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity Due to partial or complete lack of data the classification is not possible.

Developmental effects

SODIUM METASILICATE	> 200 mg/kg bw/d Result: NOAEL Species: Mouse
SODIUM LAURYL SULFATE	250 mg/kg bw/d OECD 414, Based on test data for structurally similar materials. Result: NOEL Species: Rat
AMMONIUM CHLORIDE	8.9 mg/kg bw/d Result: NOAEL Species: Rat

Reproductivity

SODIUM METASILICATE	> 159 mg/kg bw/d Result: NOAEL Species: Rat

Specific target organ toxicity - single exposure May cause respiratory irritation.

SODIUM LAURYL SULFATE	Result: Irritating
SODIUM METASILICATE	Result: Irritating
POTASSIUM PERSULFATE	Result: Irritating Species: Human
SODIUM PERSULFATE	Result: Irritating Species: Human

Specific target organ toxicity - repeated exposure Due to partial or complete lack of data the classification is not possible.

SODIUM METASILICATE	> 227 mg/kg bw/d OECD 408, Oral Result: NOAEL Species: Rat Test Duration: 90 d
POTASSIUM PERSULFATE	131.5 mg/kg bw/d OECD 407 Result: NOAEL Species: Rat Test Duration: 28 d
AMMONIUM CHLORIDE	1695 mg/kg bw/d OECD 408 Result: NOAEL Species: Rat Test Duration: 90 d
SODIUM PERSULFATE	200 mg/kg bw/d OECD 408 Result: LOAEL Species: Rat

Aspiration hazard Due to partial or complete lack of data the classification is not possible.

Further information May cause allergic respiratory and skin reactions. The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
AMMONIUM CHLORIDE (CAS 12125-02-9)			
Aquatic			
Crustacea	EC50	American lobster (Homarus americanus)	0.237 - 0.288 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.42 - 0.56 mg/l, 96 hours
SODIUM LAURYL SULFATE (CAS 68955-19-1)			
Aquatic			
Acute			
Algae	EC50	Desmodesmus subspicatus	20 mg/l, 72 h EU C.3
Crustacea	EC50	Daphnia magna	2.8 mg/l, 48 h OECD 202
Fish	LC50	Danio rerio	1.3 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage	680 mg/l, 3 h EU C.11
Chronic			
Crustacea	NOEC	Daphnia magna	0.14 mg/l, 21 d OECD 202
Fish	NOEC	Pimephales promelas	0.11 mg/l, 34 d OECD 210
SODIUM METASILICATE (CAS 6834-92-0)			
Aquatic			
Acute			
Algae	EC50	Pseudokirchneriella subcapitata	> 207 mg/l, 72 h DIN 38412, Pt. 9
Crustacea	EC50	Daphnia magna	> 1700 mg/l, 48 h EU C.2
Fish	LC50	Danio rerio	> 210 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage	100 mg/l, 3 h OECD 209
SODIUM PERSULFATE (CAS 7775-27-1)			
Aquatic			
Acute			
Algae	EC50	Pseudokirchneriella subcapitata	116 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	133 mg/l, 48 h EPA OPP 72-2
Fish	LC50	Oncorhynchus mykiss	163 mg/l, 96 h EPA OPP 72-1

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

POTASSIUM PERSULFATE	Result: Not expected to bioaccumulate
SODIUM LAURYL SULFATE	93 % EU C.4-C Result: Readily Biodegradable Test Duration: 28 d

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

SODIUM LAURYL SULFATE	-2.1 OECD 107

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

FINISHED GOODS

UN number	UN3215
UN proper shipping name	PERSULPHATES, INORGANIC, N.O.S. (POTASSIUM PERSULFATE, SODIUM PERSULFATE), Limited Quantity
Class	5.1
Packing group	III
Transport hazard class(es)	
Label(s)	Limited Quantity
Packaging exceptions	152
LTD QTY Net Inner Capacity	5.0 kg

BULK

UN number	UN3215
UN proper shipping name	PERSULPHATES, INORGANIC, N.O.S. (POTASSIUM PERSULFATE, SODIUM PERSULFATE)
Class	5.1
Packing group	III
Transport hazard class(es)	
Label(s)	5.1
Special provisions	IB8, IP3, T1, TP33
Packaging non bulk	213

IATA

FINISHED GOODS

UN number	UN3215
UN proper shipping name	PERSULPHATES, INORGANIC, N.O.S. (POTASSIUM PERSULFATE, SODIUM PERSULFATE)
Class	5.1
Packing group	III
Transport hazard class(es)	
Label(s)	Class 5.1, Limited Quantity
ERG Number	5L
LTD QTY Net Inner Capacity	1.0 kg

BULK

UN number	UN3215
UN proper shipping name	PERSULPHATES, INORGANIC, N.O.S. (POTASSIUM PERSULFATE, SODIUM PERSULFATE)
Class	5.1
Packing group	III

ERG Number 5L

IMDG

FINISHED GOODS

UN number UN3215

UN proper shipping name PERSULPHATES, INORGANIC, N.O.S. (POTASSIUM PERSULFATE, SODIUM PERSULFATE), Limited Quantity

Class 5.1

Packing group III

Environmental Hazards

Marine pollutant No.

Transport hazard class(es)

Label(s) Limited Quantity

EmS F-A, S-Q

LTD QTY Net Inner Capacity 5.0 kg

BULK

UN number UN3215

UN proper shipping name PERSULPHATES, INORGANIC, N.O.S. (POTASSIUM PERSULFATE, SODIUM PERSULFATE)

Class 5.1

Packing group III

Environmental hazards

Marine pollutant No.

EmS F-A, S-Q

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

AMMONIUM CHLORIDE (CAS 12125-02-9) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No (Exempt)

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
AMMONIUM CHLORIDE	12125-02-9	7

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

16. Other information, including date of preparation or last revision

Issue date 02-06-2020

Version # 01

NFPA ratings Health: 3
Flammability: 1
Instability: 0
Special hazards: OX

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.

L'ORÉAL USA

SAFETY DATA SHEET

SDS # 14-097

ISSUANCE DATE: August 13, 2014

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

L'Oreal USA Products, Inc.
111 Terminal Avenue
Clark, NJ 07066

Emergency Telephone Number
1-800-535-5053 US (International: 352-323-3500)

For further information:
1-732-499-2741

Poison Control Number: 1-412-390-3326

Product Name: Flammable Bleaching Oils

Recommendations on use: Personal care product to be mixed with companion product(s) in accordance with instructions and applied to hair to aid in lightening effect.

Restrictions on use: Avoid fire, flame, heat and other sources of ignition. For external use only. Use only as directed. Liquid dispensed from the container is considered flammable until dry.

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: DANGER

Symbol	Classification	Hazard Statement	Prevention Statements
	Skin Corrosion Category 1C	Causes severe skin burns and eye damage	• Wash eyes and all skin surfaces contacted thoroughly after handling. • Wear plastic or rubber gloves. Eye protection appropriate for the manufacturing operation being performed should be used (goggles or face shield).
	Eye Damage Category 1	Causes serious eye damage	
	Flammable Liquids Category 3	Flammable liquid and vapor	• Keep away from heat, sparks, open flames and hot surfaces. Do not use while smoking. • Keep container tightly closed. • Ground/bond container and receiving equipment. • Use explosion-proof electrical, ventilating, lighting, manufacturing and packaging equipment. • Use only non-sparking tools. • Take precautionary measures against static discharge.

Symbol	Classification	Hazard Statement	Prevention Statements
	Specific Target Organ Toxicity (Single Exposure) Category 3	May cause drowsiness or dizziness	• Avoid breathing mist/vapors. • Use only in a well-ventilated area.

This material is considered hazardous by the US Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200)

General Precautionary Statements: Keep out of reach of children. Read label before use.

Hazards Not Otherwise Classified: Over-exposure may cause respiratory irritation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Only hazardous constituents associated with the product are listed below

INGREDIENT:	CAS NO.	% WT
Hexylene Glycol	107-41-5	≤ 3.0%
Laureth-5 Carboxylic Acid	27306-90-7	≤ 5.0 %
Ethanolamine	141-43-5	≤ 6.0%
Deceth-3	66455-15-0	≤ 7.0%
Glyceryl Lauryl Ether	9022-75-7	≤ 7.0%
Ethyl Alcohol	64-17-5	≤ 9.0%

SECTION 4: FIRST AID MEASURES

Response Statements:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing for at least 20 minutes or until material is sufficiently removed from the eye. **If eye irritation persists:** Get medical advice/attention if irritation or other symptoms occur.

IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. **If skin irritation persists:** Get medical attention.

IF INHALED: Remove person to fresh air and keep in a position comfortable for breathing. Immediately call a Poison Control Center or doctor is person feels unwell.

IF SWALLOWED: Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious individual. Immediately call a Poison Control Center or doctor.

SYMPTOMS/EFFECTS: Serious irritation or burns upon prolonged contact with scalp or other skin areas. May cause burns to the eyes or other mucus membranes. Can cause blindness. Ingestion may produce burns, ulceration, and/or perforation of the alimentary canal. Drowsiness or dizziness if over-exposed by inhalation. Over-exposure may cause respiratory irritation.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Consult product labeling. No special advice.

SECTION 5: FIRE-FIGHTING MEASURES

Notes for Non-Emergency Personnel:

EXTINGUISHING MEDIA: In case of fire use carbon dioxide, dry chemical and/or foam for extinction. Water spray may be used to soak other materials surrounding the product, to prevent the spread of the fire. Selection of a fire extinguisher should also be appropriate to address the location of the fire and equipment involved. Please review the tools available at your location to ensure proper availability of equipment.

Notes for those trained to participate in an emergency:

SPECIAL FIRE FIGHTING PROCEDURES: Treat as a flammable liquid. Follow National Fire Protection Association Guidelines or local guidelines appropriate for emergency response. Minimize all sources of static electricity.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Observe all appropriate precautions for handling flammable materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal degradation may produce oxides of carbon, hydrocarbons, and/or derivatives.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Notes for non-emergency personnel:

Consult trained response personnel for clean-up of large spills or locations where providing preliminary control of the chemical release is hazardous. Isolate the area and deny entry to unnecessary and unprotected. Hazardous locations include areas where ignition sources cannot be controlled. Sections 2, 5, 7 and 8 of this document should be consulted upon use of material, to become knowledgeable of the material's hazards and how to control risks associated with handling flammable and corrosive liquids.

If the location is not hazardous and only a small amount of material is spilled, control the release using absorbent pads while wearing the protective equipment as noted below. Care should be taken to prevent contact of the material with skin or eyes. Prohibit discharge to drains, soil, surface and ground waters. Dispose in accordance with section 13 of this document.

PERSONAL PROTECTIVE EQUIPMENT: Plastic or rubber gloves, safety glasses/goggles, protective clothing (e.g. apron) may be required for clean-up of large spills. Respiratory protection is typically not necessary, but may be used depending upon the size of the spill and occupational exposure limits. Respiratory protection may include the use of organic vapor/acid gas cartridges. Refer to Section 8 for additional information.

Notes for those trained to participate in an emergency:

ACCIDENTAL RELEASE MEASURES: Eliminate all sources of ignition. Dike and contain the free liquid and absorb on vermiculite or spill pillows/pads. Place spent absorbents in UN specification drums for disposal. All precautions associated with controlling flammable and corrosive liquids should be employed during clean-up. Prohibit discharge to drains, soil, surface and ground waters. Inspection of all equipment used in response should occur before any re-use is considered.

Recommendations for personal protective equipment selection are noted above. Non-sparking tools should be utilized in all clean-up associated with flammable liquids. Dispose in accordance with section 13 of this document.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:
Do not eat, drink or smoke while working with hazardous materials. Avoid contact with skin, eyes, and clothing. Employees should be advised to wear appropriate protective equipment in the manufacturing environment. Refer to Section 8 for protective equipment selection. Do not expose to heat or flame. All manufacturing should be performed indoors, in an enclosed environment free from uncontrolled ignition sources. Employees should be advised not to handle hazardous products in close proximity to incompatible materials. Use only non-sparking tools. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge.

Storage precautions for unpackaged product (manufacturing environment): Store in a well-ventilated place. Keep cool. Minimize inventory. Keep container tightly closed. It is suggested that this material be "locked up" or stored in an area where production inventory may be controlled by authorized personnel. Use only non-sparking tools. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge. Appropriate fire suppression and detection equipment should be utilized. Store on spill pallets or other locations where spill containment will be easily accessible.

Maintain a clean work environment which includes use of properly functioning containers, proper housekeeping practices.

CONDITIONS FOR SAFE STORAGE:

Storage precautions for unpackaged product (manufacturing environment): Store in a cool and well-ventilated area. Store in original/compatible containers. Keep containers closed when not in use. This material should be "locked up" or stored in an area where production inventory may be controlled by authorized personnel. Take precautionary measures against static discharge. Appropriate fire suppression and detection equipment should be utilized. Store on spill pallets or in other locations where spill containment will be easily accessible and releases can be contained.

Storage precautions for packaged product – see consumer packaging.

Keep away from open drains and access to the environment.

Incompatible materials: Oxidizers, strong acids and organic compounds. Store away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS: These criteria have been published by the referenced authority to establish exposure limits in the work environment. Employee work areas should be monitored to ensure that permissible limits are not exceeded during the work day. These references do not coincide with product use. These references are meant to be in association with the manufacturing environment.

OCCUPATIONAL EXPOSURE VALUES:

Component Name (CAS-No.)	Reference	TWA		STEL/CEILING	
		ppm	mg/m^3	ppm	mg/m^3
Hexylene Glycol (107-41-5)	OSHA PEL	--	--	--	--
	ACGIH TLV	--	--	25 (C)	121 (C)
	NIOSH REL	--	--	25 (C)	125 (C)
Ethanolamine (141-43-5)	OSHA PEL	3	6	--	--
	ACGIH TLV	3	7.5	6	15
	NIOSH REL	3	8	6	15
Ethyl Alcohol (64-17-5)	OSHA PEL	1000	1900	--	--
	ACGIH TLV	--	--	1000	1880
	NIOSH REL	1000	1900	--	--

No occupational exposure values have been published for other constituents noted in Section 3.

WORK HYGIENIC PRACTICES: Ensure all work surfaces are maintained, to prevent contamination.

ENGINEERING CONTROLS: None required for product use. For handling large quantities of material, such as in the manufacturing of product, ventilation should be utilized. This ventilation should be compatible with the control of flammable and corrosive materials. Exhaust ventilation should be utilized to maintain air concentrations of material below the occupational exposure guidelines noted above.

Local exhaust ventilation is not typically required for product use. For handling large quantities of material, such as in the manufacturing of product **--** Local Exhaust: Explosion proof. Mechanical (general): Explosion proof.

PERSONAL PROTECTIVE EQUIPMENT: Consistent with good hygiene practices, personal protective equipment (PPE) should be used in conjunction with other control measures including engineering controls, ventilation and isolation. See also Section 5 of this document for PPE advice, in the event of an emergency.

Eye/Face Protection (Non-Emergency): None required for product use. For handling of large quantities of liquid material, safety glasses with side shields/goggles are recommended.

Skin Protection (Non-Emergency): Gloves should be worn when mixing kit components and applying mixture. For handling large quantities of material, such as in product manufacturing, plastic or rubber gloves should be considered for use. Tyvek clothing may also be suitable for handling large quantities of material in the manufacturing environment.

Respiratory Protection (Non-Emergency): Respiratory protection is not required for product use. For manufacturing of product, respiratory protection may be considered. Ensure that the respirator meets current local occupational health and safety standards. Organic vapor/acid gas cartridges should be utilized with filtering respiratory protection.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear to yellow thin liquid
ODOR:	Not Available
ODOR THRESHOLD:	Not Available
pH:	9.0 – 10.0
MELTING/FREEZING POINT:	**F:** N/A **C:** N/A
BOILING POINT:	**F:** 173 (as ethanol) **C:** 78.3 (as ethanol)
FLASH POINT:	**F:** 100 – 140 **C:** 38 – 60 **METHOD USED:** Closed cup
EVAPORATION RATE:	> 1 **(Butyl acetate = 1)**
FLAMMABILITY:	Not Applicable to Liquids
FLAMMABLE LIMITS IN AIR:	HEXYLENE GLYCOL: 7.4% UEL; 1.3% LEL ETHANOLAMINE: 23.5% UEL; 3.0% LEL ETHYL ALCOHOL: 19% UEL; 3.3% LEL
VAPOR PRESSURE (mmHg):	@ 70F: 44 (as ethanol) @ 21 C: 44 (as ethanol)
VAPOR DENSITY (AIR = 1):	@ 70F: >1 @ 21 C: > 1
RELATIVE DENSITY (H2O = 1):	Not Available
SOLUBILITY IN WATER:	Not Available
PARTITION COEFFICIENT:	Not Available
AUTOIGNITION TEMPERATURE:	Not Available
DECOMPOSITION TEMPERATURE:	Not Available
VISCOSITY:	Free flowing liquid

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Material is not considered reactive under typical handling and storage conditions.

STABILITY: Product is stable.

POSSIBILITY OF HAZARDOUS REACTIONS: None known. Hazardous polymerization is not expected to occur.

CONDITIONS TO AVOID: Heat, fire, flame and other sources of ignition.

INCOMPATIBILITY (MATERIAL TO AVOID): Oxidizers, strong acids and organic compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, hydrocarbons, and/or derivatives.

SECTION 11: TOXICOLOGICAL INFORMATION

Where information is not listed specifically for constituents, published information was not available.

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS:
SKIN CORROSION/IRRITATION: Causes severe skin burns
SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye damage
RESPIRATORY/SKIN SENSITIZATION: None expected
INGESTION: Harmful if swallowed. May produce burns, ulceration, and/or perforation of the alimentary canal.
INHALATION: May cause drowsiness/dizziness. Over-exposure may cause respiratory irritation.

ROUTES OF EXPOSURE: Eyes, skin

SYMPTOMS: Serious irritation or burns upon prolonged contact with scalp or other skin areas. May cause burns to the eyes or other mucus membranes. Can cause blindness. Ingestion may produce burns, ulceration, and/or perforation of the alimentary canal. Drowsiness or dizziness if over-exposed by inhalation. Over-exposure may cause respiratory irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

ACUTE TOXICOLOGY DATA FOR COMPONENTS

Material	Route	Species	Test Results
Hexylene Glycol	Oral LD_{50}	Rat (OECD 420)	>2,000 mg/kg bw
Hexylene Glycol	Dermal LD_{50}	Rat (OECD 402)	>2,000 mg/kg bw
Hexylene Glycol	Inh. LC_{50}	Rat (OECD 403)	>60 ml/m^3
Laureth-5 Carboxylic Acid	Oral LD_{50}	Rat (OECD 401)	> 2,000 mg/kg bw
Ethanolamine	Oral LD_{50}	Rat (OECD 401 eq)	1,510 mg/kg bw
Ethanolamine	Dermal LD_{50}	Rat (OECD 402 eq)	2,504 mg/kg bw
Ethanolamine	Inh. LC_{50} (6hr)	Rat	> 1,300 mg/m^3 air
Deceth-3 (analogy)	Oral LD_{50}	Rat	>2,000 mg/kg bw
Deceth-3 (analogy)	Dermal LD_{50}	Rat	>2,000 mg/kg bw
Glyceryl Lauryl Ether	Oral LD_{50}	Rat (OECD 423)	> 2,000 mg/kg bw
Glyceryl Lauryl Ether	Dermal LD_{50}	Rat (OECD 402)	> 2,000 mg/kg bw
Ethyl Alcohol	Oral LD_{50}	Rat	> 6,200 mg/kg
Ethyl Alcohol	Dermal LD_{Lo}	Rabbit	> 20,000 mg/kg
Ethyl Alcohol	LC_{50} (4 hr)	Rat	> 8,000 mg/L

Skin Corrosion/Irritation:

Hexylene Glycol:	Irritating (Rabbit)
Laureth-5 Carboxylic Acid:	Slightly Irritating (Rabbit, OECD 404)
Ethanolamine:	Corrosive (Rabbit, OECD 404 eq)
Deceth-3:	Slightly Irritating (analogy)
Glyceryl Lauryl Ether:	Corrosive (Rat, OECD 404)
Ethyl Alcohol:	Irritating (Rabbit)

Serious Eye Damage/Irritation:

Hexylene Glycol:	Irritating (Rabbit)
Laureth-5 Carboxylic Acid:	Corrosive (Rabbit, OECD 405)
Ethanolamine:	Corrosive (Rabbit, OECD 405)
Deceth-3:	Corrosive
Glyceryl Lauryl Ether:	Corrosive
Ethyl Alcohol:	Highly Irritating (Rabbit)

Respiratory Irritation:

Hexylene Glycol:	Possibly Irritating (1000 ppm) (Human)
Ethyl Alcohol:	Highly Irriating (27,314 ppm) (Mouse)

Skin Sensitization:

Hexylene Glycol:	Not sensitizing (Guinea Pig, OECD 406)
Laureth-5 Carboxylic Acid:	Not sensitizing (Guinea Pig, OECD 406)
Ethanolamine:	Not sensitizing (Guinea Pig)
Deceth-3:	Not Sensitizing (Guinea Pig) (analogy)
Glyceryl Lauryl Ether:	Not sensitizing (Guinea Pig, OECD 406)
Ethyl Alcohol:	Not sensitizing

CHRONIC HEALTH HAZARDS:

REPEAT DOSE TOXICITY:

NOAEL (Hexylene Glycol, oral): 405 mg/kg/day (Rat, OECD 408)
NOAEL (Ethanolamine, oral): 300 mg/kg bw/day (Rat, OECD 416)
NOAEL (Deceth-3 (analogy), oral): 80-400 mg/kg/day (Rat, OECD 408)
NOAEL (Deceth-3 (analogy), dermal): 80 mg/kg/day (Rat, OECD 411)
NOAEL (Glyceryl Lauryl Ether, oral): 150 mg/kg bw/day (Rat, OECD 407)
NOAEL (Ethyl Alcohol, oral): >2% (2400 mg/kg) (Rat)
LOAEL (Ethyl Alcohol, oral): 3% (3600 mg/kg) (Rat)

CARCINOGENICITY:

Component Name (CAS-No.)	OSHA	ACGIH	NTP	IARC
Ethyl Alcohol	--	**TLV-A3**	--	--

Notes:
ACGIH TLV-A3 - *Ethyl alcohol has been denoted to have a carcinogenicity category of TLV-A3. This reference indicates that the material is "Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure."

MUTAGENICITY:

Hexylene Glycol:	A variety of *in vitro* tests have produced negative results.
Laureth-5 Carboxylic Acid:	A variety of *in vitro* tests have produced negative results.
Ethanolamine:	A variety of *in vitro* and *in vivo* tests have produced negative results.
Deceth-3:	A variety of *in vitro* tests have produced negative results. (analogy)
Glyceryl Lauryl Ether:	A variety of *in vitro* tests have produced negative results.
Ethyl Alcohol:	Ethyl Alcohol has been classified as mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. May affect genetic material (mutagenic).

REPRODUCTIVE TOXICITY:

Hexylene Glycol:	NOEL: 1,000 mg/kg (Rat, OECD 421)
Ethanolamine:	NOAEL: 300 mg/kg bw/day (Rat, OECD 416)
Deceth-3:	NOAEL: >250 mg/kg (Rat, OECD 416) (analogy)
Glyceryl Lauryl Ether:	NOEL: 600 mg/kg bw/day (Rat, OECD 421)
Ethanol:	Effects on the female reproductive system can include menstrual problems, altered sexual behavior, infertility, altered puberty onset, altered length of pregnancy, lactation problems, altered menopause onset and pregnancy outcome. Effects on the male reproductive system can include altered sexual behavior, altered fertility and problems with sperm shape or count.

DEVELOPMENTAL TOXICITY/TERATOGENICITY:

Hexylene Glycol:	NOAEL: 300 mg/kg bw/day (Rat, OECD 414)
Ethanolamine:	NOAEL: 450 mg/kg bw/day (Rat, OECD 414)
Deceth-3:	NOAEL: >250 mg/kg (Rat, OECD 416) (analogy)
Glyceryl Lauryl Ether:	NOAEL: 600 mg/kg bw/day (Rat, OECD 421)
Ethanol:	Ethanol has been connected to adverse reproductive effects and birth defects (teratogenic), based on moderate to heavy consumption. Human: passes through the placenta, excreted in maternal milk. Repeated ingestion of ethanol by pregnant mothers has been shown to adversely affect the central nervous system of the fetus, producing a collection of effects which together constitute fetal alcohol syndrome. These include mental and physical retardation, disturbances of learning, motor and language deficiencies, behavioral disorders and small size head.

SECTION 12: ECOLOGICAL INFORMATION

Contact with the environment should be avoided. Spills and leaks should be immediately cleaned up and removed. All precautions should be taken to prevent contact with the environment. Published information regarding ingredients listed on this document area found below; where data is not listed, documentation was unavailable.

ACUTE AND PROLONGED TOXICITY TO FISH

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Hexylene Glycol	LC_{50} (OECD 203)	10,700 mg/L	Pimephales promelas	96 h
Laureth-5 Carboxylic Acid	LD_{50}	7.5 mg/L	Oncorhynchus mykiss	96 h
Ethanolamine	LC_{50} (ASTM D1345-70)	170 mg/L	Carassius auratus	96 h
Deceth-3	LC_{50}	11.5 mg/L	Oncorhynchus mykiss	96 h
Glyceryl Lauryl Ether	LC_{50} (OECD 203)	1.61 mg/L	Brachydanio rerio	96 h
Ethyl Alcohol	LC_{50}	12.9 - 15.3 g/L	Pimephales promelas	96 h

ACUTE TOXICITY TO AQUATIC INVERTEBRATES

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Hexylene Glycol	EC_{50} (OECD 202)	5,410 mg/L	Daphnia Magna	48 h
Ethanolamine	EC_{50} (84/449/EEC C.2)	65 mg/L	Daphnia Magna	48 h
Deceth-3	EC_{50}	5.1 mg/L	Daphnia Magna	48 h
Glyceryl Lauryl Ether	EC_{50} (OECD 202)	0.875 mg/L	Daphnia Magna	48 h
Ethyl Alcohol	EC_{50}	5,012 mg/L	Ceriodaphnia Dubia	48 h

TOXICITY TO AQUATIC PLANTS

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Hexylene Glycol	EC_{50} (OECD 201)	> 429 mg/L	Selenastrum capricornutum	72 h
Ethanolamine	EL_{50} (92/69/EEC C.3)	15 mg/L	Green Algae	72 h
Glyceryl Lauryl Ether	EC_{50} (OECD 201)	1.11 mg/L	Pseudokirchneriella subcapitata	72 h
Ethyl Alcohol	EC_{50}	675 mg/L	Chlorella Vulgaris	96 h

TOXICITY TO MICROORGANISMS

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Hexylene Glycol	NOEC	200 mg/L	Pseudomonas aeruginosa	10 d
Ethanolamine	EC_{10} (OECD 209)	> 1,000 mg/L	Activated Sludge	30 min
Glyceryl Lauryl Ether	NOEC (OECD 209)	31.6 mg/L	Activated Sludge	3 h
Ethyl Alcohol	EC_{50}	32.1 g/L	Photobacterium Phosphoreum	15 min

PERSISTENCY AND DEGRADABILITY:

Hexylene Glycol: Readily Biodegradable – OECD 301 F – 81% (28d)
Laureth-5 Carboxylic Acid: Readily Biodegradable – OECD 301 B – 78% (28d)
Ethanolamine: Readily Biodegradable – OECD 301 A – >90% (21 d)
Deceth-3: Readily Biodegradable – OECD 301
Glyceryl Lauryl Ether: Readily Biodegradable – OECD 301 B – 88% (28 d)
Ethyl Alcohol: Readily Biodegradable – OECD 301 B – 97% (28d)

BIOACCUMULATIVE POTENTIAL:

Hexylene Glycol: log Kow: 0.58 (calc); BCF: 3.162 (AOPWIN) – Not expected to bioaccumulate
Ethanolamine: log Pow: -1.91 @ 25°C (OECD 107) – Not expected to bioaccumulate
Deceth-3: Not expected to bioaccumulate (analogy)
Glyceryl Lauryl Ether: log Pow: 3.757; BCF: 311.5 (QSAR)
Ethyl Alcohol: $logBCF_{(calculated)}$ = 0.5 (BCFWIN v2.15) – Not expected to bioaccumulate

SECTION 13: DISPOSAL CONSIDERATIONS

Those responsible for the performance of disposal, recycling or reclamation activities should refer to Section 8 of this document for advice on personal protective equipment and exposure controls.

WASTE DISPOSAL CONTAINERS: Appropriate US DOT containers should be utilized which may include cardboard boxes for products or plastic drums for bulk liquids. These containers should meet the packaging specifications required for DOT compliance.

WASTE DISPOSAL METHOD: This product exhibits the RCRA characteristic of ignitability (D001) when intended for disposal. Controlled incineration at a hazardous waste facility is the recommended technology for treatment and disposal. This material must not be disposed through sewage.

This product is not identified as a corrosive hazardous waste under the federal regulations. State hazardous waste regulations should be consulted to determine applicability of corrosive classification.

RCRA HAZARD CLASS: D001

Follow all local governmental requirements intended for disposal.

SECTION 14: TRANSPORT INFORMATION

North American Ground Transportation

- **IN CONSUMER PACKAGING:** Limited Quantity/Consumer Commodity (≤ 5 L)
  UN ID Number: UN 2924
  Proper Shipping Name: Flammable liquid, corrosive, n.o.s.
  Technical Name: Ethyl alcohol, ethanolamine
  Hazard Class: 3, 8
  Packing Group: III
  Label Statements: Exempt – Limited Quantity Marking Only

- **OTHER THAN CONSUMER PACKAGING:**
  UN ID Number: UN 2924
  Proper Shipping Name: Flammable liquid, corrosive, n.o.s.
  Technical Name: Ethyl alcohol, ethanolamine
  Hazard Class: 3, 8
  Packing Group: III
  Label Statements: Flammable Liquid (Class 3), Corrosive (Class 8)

Transport Via Water

- **IN CONSUMER PACKAGING:** Limited Quantity (≤ 5 L)
  UN ID Number: UN 2924
  Proper Shipping Name: Flammable liquid, corrosive, n.o.s.
  Technical Name: Ethyl alcohol, ethanolamine
  Hazard Class: 3, 8
  Packing Group: III
  Label Statements: Exempt – Limited Quantity Marking Only

- **OTHER THAN CONSUMER PACKAGING:**
  UN ID Number: UN 2924
  Proper Shipping Name: Flammable liquid, corrosive, n.o.s.
  Technical Name: Ethyl alcohol, ethanolamine
  Hazard Class: 3, 8
  Packing Group: III
  Label Statements: Flammable Liquid (Class 3), Corrosive (Class 8)

Transport Via Air (Domestic/International)

- **IN CONSUMER PACKAGING:** Limited Quantity (≤ 1 L) (*Not eligible for ID 8000, Consumer Commodity*)
  UN ID Number: UN 2924
  Proper Shipping Name: Flammable liquid, corrosive, n.o.s
  Technical Name: Ethyl alcohol, ethanolamine
  Hazard Class: 3, 8
  Packing Group: III
  Label Statements: Flammable Liquid (Class 3), Corrosive (Class 8)

- **OTHER THAN CONSUMER PACKAGING:**
  UN ID Number: UN 2924
  Proper Shipping Name: Flammable liquid, corrosive, n.o.s
  Technical Name: Ethyl alcohol, ethanolamine
  Hazard Class: 3, 8
  Packing Group: III
  Label Statements: Flammable Liquid (Class 3), Corrosive (Class 8)

Please be aware of carrier transport variations before shipping hazardous materials.

SECTION 15: REGULATORY INFORMATION

National Fire Protection Association Codes: Health: 3 Fire: 2 Reactivity: 0 Other: None

Workplace Hazardous Materials Identification System: Class B Flammable Material; Class E; Corrosive Material

This regulatory information represents the product, in its consumer packaging.

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION: This is the first issuance of this document.

Author: Ronald Weslosky/Chandra L. Jennings