

SAFETY DATA SHEET

1. Identification

Product identifier MATRIX TOTAL RESULTS A CURL CAN DREAM MASK

Other means of identification

SDS number 00-12-0000713

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 1
Specific target organ toxicity, repeated exposure Category 2

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention Do not breathe mist/vapors. 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. Immediately call a poison center/doctor.

Storage Store away from incompatible materials.

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	%
BEHENTRIMONIUM CHLORIDE		68607-24-9	4.7
GLYCERIN		56-81-5	3.01
AMODIMETHICONE		68554-54-1	1.71
ISOPROPYL ALCOHOL		67-63-0	1.07

*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. Get medical attention immediately.
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. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.
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 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.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
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 breathe mist/vapors. 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	Do not breathe mist/vapors. Do not get this material in contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
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Conditions for safe storage, including any incompatibilities

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
GLYCERIN (CAS 56-81-5)	PEL	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.
ISOPROPYL ALCOHOL (CAS 67-63-0)	PEL	980 mg/m ³	
		400 ppm	

US. ACGIH Threshold Limit Values

Components	Type	Value
ISOPROPYL ALCOHOL (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
ISOPROPYL ALCOHOL (CAS 67-63-0)	STEL	1225 mg/m ³
		500 ppm
	TWA	980 mg/m ³ 400 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
ISOPROPYL ALCOHOL (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

* - For sampling details, please see the source document.

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

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	4.7 - 5.7
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.
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	
Density	>= 0.98 g/cm ³
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. 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 damage.
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. Permanent eye damage including blindness could result.

Information on toxicological effects

Acute toxicity Not known.

Product **Species** **Test Results**

MATRIX TOTAL RESULTS A CURL CAN DREAM MASK

Acute

Dermal

ATEmix 4.167e+006 mg/kg

Oral

ATEmix 51600 mg/kg

Components **Species** **Test Results**

AMODIMETHICONE (CAS 68554-54-1)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg

Oral

LD50 Rat > 8000 mg/kg

BEHENTRIMONIUM CHLORIDE (CAS 68607-24-9)

Acute

Oral

LD50 Rat 3190 mg/kg OECD 401

GLYCERIN (CAS 56-81-5)

Acute

Dermal

LD50 Rabbit > 18700 mg/kg bw

Inhalation

LC50 Rat > 570 mg/L air, 1 h

Oral

LD50 Rat 27200 mg/kg bw

ISOPROPYL ALCOHOL (CAS 67-63-0)

Acute

Dermal

LD50 Rabbit 16.4 ml/kg bw OECD 402

Inhalation

Vapor

LC50 Rat > 10000 ppm, 6 Hours OECD 403

Oral

LD50 Rat 5840 mg/kg bw OECD 401

Skin corrosion/irritation Due to partial or complete lack of data the classification is not possible. No adverse effects due to skin contact are expected.

Irritation Corrosion - Skin

BEHENTRIMONIUM CHLORIDE

OECD 405

Result: Irritating

Species: Rabbit

AMODIMETHICONE

Result: Irritating

Species: Rabbit

GLYCERIN

Result: Not Irritating

Species: Rabbit

ISOPROPYL ALCOHOL

Result: Not Irritating

Species: Rabbit

Serious eye damage/eye irritation Causes serious eye damage.

Irritation Corrosion - Eye

BEHENTRIMONIUM CHLORIDE

OECD 404

Result: Corrosive

Species: Rabbit

Irritation Corrosion - Eye

ISOPROPYL ALCOHOL

OECD 405

Result: Severely Irritating

Species: Rabbit

AMODIMETHICONE

Result: Irritating

Species: Rabbit

GLYCERIN

Result: Not Irritating

Species: Rabbit

Respiratory or skin sensitization**Respiratory sensitization** Due to partial or complete lack of data the classification is not possible.**Skin sensitization** Due to partial or complete lack of data the classification is not possible.**Skin sensitization**

GLYCERIN

167 mg/m³ air OECD 413, Inhalation

Result: NOAEL

Species: Rat

Test Duration: 90 d

BEHENTRIMONIUM CHLORIDE

OECD 406

Result: Not Sensitizing

Species: Guinea pig

ISOPROPYL ALCOHOL

OECD 406

Result: Not Sensitizing

Species: Guinea pig

AMODIMETHICONE

Result: Not Sensitizing

Species: Guinea pig

GLYCERIN

Result: Not Sensitizing

Species: Guinea pig

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

GLYCERIN

Result: In vitro and in vivo tests did not show mutagenic effects.

ISOPROPYL ALCOHOL

Result: In vitro and in vivo tests did not show mutagenic effects.

AMODIMETHICONE

Result: In vitro tests did not show mutagenic effects

BEHENTRIMONIUM CHLORIDE

Result: In vitro tests did not show mutagenic effects

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**

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 Due to partial or complete lack of data the classification is not possible.**Developmental effects**

GLYCERIN

1310 mg/kg bw/d, No effects on development

Result: NOAEL

Species: Rat

ISOPROPYL ALCOHOL

400 mg/kg bw/d OECD 414, No effects on development

Result: NOAEL

Species: Rabbit

Reproductivity

ISOPROPYL ALCOHOL

1000 mg/kg bw/d OECD 416, No effects on fertility

Result: NOAEL

Species: Rat

GLYCERIN

2000 mg/kg bw/d, No effects on fertility

Result: NOAEL

Species: Rat

BEHENTRIMONIUM CHLORIDE

75 mg/kg bw/d OECD 421

Result: NOAEL

Species: Rat

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

Specific target organ toxicity - repeated exposure May cause damage to organs through prolonged or repeated exposure.

BEHENTRIMONIUM CHLORIDE	10 mg/kg bw/d OECD 407, Oral Result: NOAEL Species: Rat Test Duration: 28 d
ISOPROPYL ALCOHOL	5000 ppm OECD 413, Inhalation Result: NOALE Species: Rat Test Duration: 90 d
GLYCERIN	8000 mg/kg bw/d, Oral Result: NOAEL Species: Rat Test Duration: 2 yr

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

Chronic effects May cause damage to organs through prolonged or repeated exposure.

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
AMODIMETHICONE (CAS 68554-54-1)		
Aquatic		
<i>Acute</i>		
Crustacea	EC50 Daphnia magna	11 mg/l, 48 h OECD 202
BEHENTRIMONIUM CHLORIDE (CAS 68607-24-9)		
Aquatic		
<i>Acute</i>		
Algae	EC50 Desmodesmus subspicatus	3.48 mg/l, 72 h OECD 201
Crustacea	EC50 Daphnia magna	1.39 mg/l, 48 h OECD 202
Fish	LC50 Danio rerio	0.5 - 1 mg/l, 96 h OECD 203
Other	EC50 Activated sludge of a predominantly domestic sewage	43 mg/l, 3 h OECD 209
<i>Chronic</i>		
Crustacea	NOEC Daphnia magna	0.128 mg/l, 21 d OECD 211
Fish	NOEC Danio rerio	0.24 mg/l, 9 d OECD 212
GLYCERIN (CAS 56-81-5)		
Aquatic		
<i>Acute</i>		
Algae	EC0 Scenedesmus quadricauda	> 10000 mg/l, 192 h
Crustacea	EC50 Daphnia magna	1955 mg/l, 48 h
Fish	LC50 Oncorhynchus mykiss	54000 mg/l, 96 h
Other	NOEC Pseudomonas putida	> 10000 mg/l, 16 h
ISOPROPYL ALCOHOL (CAS 67-63-0)		
Aquatic		
<i>Acute</i>		
Algae	EC50 Scenedesmus quadricauda	> 1000 mg/l, 72 h
Crustacea	EC50 Daphnia magna	9714 mg/l, 24 h OECD 202
Fish	LC50 Pimephales promelas	9640 mg/l, 96 h OECD 203
Other	TD Pseudomonas putida	1050 mg/l, 16 DIN 38412, Pt. 8

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

AMODIMETHICONE

BEHENTRIMONIUM CHLORIDE

Result: Not Readily Biodegradable

80 % OECD 301

Result: Readily Biodegradable

Test Duration: 28 d

GLYCERIN

OECD 301

Result: Readily Biodegradable

95 % OECD 301 E

Result: Readily Biodegradable

Test Duration: 21 d

ISOPROPYL ALCOHOL

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

GLYCERIN

-1.76

ISOPROPYL ALCOHOL

0.05

Bioaccumulation

ISOPROPYL ALCOHOL

Result: Bioaccumulation is unlikely.

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)

ISOPROPYL ALCOHOL (CAS 67-63-0)

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.
ISOPROPYL ALCOHOL	67-63-0	1.07

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.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

GLYCERIN (CAS 56-81-5)

Other Flavoring Substances with OSHA PEL's

ISOPROPYL ALCOHOL (CAS 67-63-0)

Low priority

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

Issue date 02-03-2020

Version # 01

NFPA ratings Health: 3
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.