

# SAFETY DATA SHEET

## 1. Identification

|                                                               |                                                         |
|---------------------------------------------------------------|---------------------------------------------------------|
| <b>Product identifier</b>                                     | <b>MATRIX BIOLAGE HYDRATHERAPIE DETANGLING SOLUTION</b> |
| <b>Other means of identification</b>                          |                                                         |
| <b>SDS number</b>                                             | 00-19-0000118                                           |
| <b>Recommended use</b>                                        | Personal care product used for cosmetic effect.         |
| <b>Recommended restrictions</b>                               | None known.                                             |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |                                                         |

**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

|                             |                                                   |             |
|-----------------------------|---------------------------------------------------|-------------|
| <b>Physical hazards</b>     | Not classified.                                   |             |
| <b>Health hazards</b>       | Serious eye damage/eye irritation                 | Category 2A |
|                             | Specific target organ toxicity, repeated exposure | Category 2  |
| <b>OSHA defined hazards</b> | Not classified.                                   |             |
| <b>Label elements</b>       |                                                   |             |



|                                |                                                                                                                                                                                                                                             |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Signal word</b>             | Warning                                                                                                                                                                                                                                     |
| <b>Hazard statement</b>        | Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure.                                                                                                                                           |
| <b>Precautionary statement</b> |                                                                                                                                                                                                                                             |
| <b>Prevention</b>              | Do not breathe mist or vapor. Wash thoroughly after handling. Wear eye protection/face protection.                                                                                                                                          |
| <b>Response</b>                | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell. If eye irritation persists: Get medical advice/attention. |
| <b>Storage</b>                 | Store away from incompatible materials.                                                                                                                                                                                                     |
| <b>Disposal</b>                | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                                                                         |

|                                                  |             |
|--------------------------------------------------|-------------|
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known. |
| <b>Supplemental information</b>                  | None.       |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                  | Common name and synonyms | CAS number | % |
|--------------------------------|--------------------------|------------|---|
| BEHENTRIMONIUM<br>METHOSULFATE |                          | 81646-13-1 | 1 |
| GLYCERIN                       |                          | 56-81-5    | 1 |

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

### 4. First-aid measures

|                                                                               |                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Move to fresh air. Call a physician if symptoms develop or persist.                                                                                                                                |
| <b>Skin contact</b>                                                           | Wash off with soap and water. Get medical attention if irritation develops and persists.                                                                                                           |
| <b>Eye contact</b>                                                            | 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. |
| <b>Ingestion</b>                                                              | Rinse mouth. Get medical attention if symptoms occur.                                                                                                                                              |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Prolonged exposure may cause chronic effects.                                                |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.                                                                             |
| <b>General information</b>                                                    | 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

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

### 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | 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 or vapor. 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.                                              |
| <b>Methods and materials for containment and cleaning up</b>               | <p>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.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p> |
| <b>Environmental precautions</b>                                           | Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### 7. Handling and storage

|                                      |                                                                                                                                                                                                           |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b> | Do not breathe mist or vapor. 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    | Form                 |
|------------------------|------|----------|----------------------|
| GLYCERIN (CAS 56-81-5) | PEL  | 5 mg/m3  | Respirable fraction. |
|                        |      | 15 mg/m3 | Total dust.          |

**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**

Chemical respirator with organic vapor cartridge and full facepiece.

**Skin protection****Hand protection**

Wear appropriate chemical resistant gloves.

**Other**

Wear suitable protective clothing. Use of an impervious apron is recommended.

**Respiratory protection**

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**

Viscous Liquid

**Color**

Not available.

**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**

> 212.0 °F (> 100.0 °C)

**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.

|                                  |                |
|----------------------------------|----------------|
| <b>Auto-ignition temperature</b> | Not available. |
| <b>Decomposition temperature</b> | Not available. |
| <b>Viscosity</b>                 | Not available. |
| <b>Other information</b>         |                |
| <b>Explosive properties</b>      | Not explosive. |
| <b>Oxidizing properties</b>      | Not oxidizing. |

## 10. Stability and reactivity

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

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| <b>Inhalation</b>   | May cause damage to organs through prolonged or repeated exposure by inhalation. |
| <b>Skin contact</b> | No adverse effects due to skin contact are expected.                             |
| <b>Eye contact</b>  | Causes serious eye irritation.                                                   |
| <b>Ingestion</b>    | 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** Not known.

| Components                                   | Species | Test Results             |
|----------------------------------------------|---------|--------------------------|
| BEHENTRIMONIUM METHOSULFATE (CAS 81646-13-1) |         |                          |
| <u><b>Acute</b></u>                          |         |                          |
| <b>Oral</b>                                  |         |                          |
| LD50                                         | Rat     | 3190 mg/kg bw/d OECD 401 |
| GLYCERIN (CAS 56-81-5)                       |         |                          |
| <u><b>Acute</b></u>                          |         |                          |
| <b>Dermal</b>                                |         |                          |
| LD50                                         | Rabbit  | > 18700 mg/kg bw         |
| <b>Inhalation</b>                            |         |                          |
| LC50                                         | Rat     | > 570 mg/L air, 1 h      |
| <b>Oral</b>                                  |         |                          |
| LD50                                         | Rat     | 27200 mg/kg bw           |

\* 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

|                             |                                                   |
|-----------------------------|---------------------------------------------------|
| BEHENTRIMONIUM METHOSULFATE | OECD 404<br>Result: Irritating<br>Species: Rabbit |
| GLYCERIN                    | Result: Not Irritating<br>Species: Rabbit         |

**Serious eye damage/eye irritation** Causes serious eye irritation.

**Irritation Corrosion - Eye**

BEHENTRIMONIUM METHOSULFATE

OECD 405

Result: Corrosive

Species: Rabbit

GLYCERIN

Result: Not 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**

GLYCERIN

167 mg/m<sup>3</sup> air OECD 413, Inhalation

Result: NOAEL

Species: Rat

Test Duration: 90 d

BEHENTRIMONIUM METHOSULFATE

OECD 406

Result: Not Sensitizing

Species: Guinea pig

GLYCERIN

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**

GLYCERIN

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

BEHENTRIMONIUM METHOSULFATE

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 1910.1001-1050)**

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.**Developmental effects**

GLYCERIN

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

Result: NOAEL

Species: Rat

BEHENTRIMONIUM METHOSULFATE

30 mg/kg bw/d OECD 421

Result: NOAEL

Species: Rat

**Reproductivity**

GLYCERIN

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

Result: NOAEL

Species: Rat

BEHENTRIMONIUM METHOSULFATE

75 mg/kg bw/d OECD 421

Result: NOAEL

Species: Rat

**Specific target organ toxicity - single exposure** Not classified.**Specific target organ toxicity - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

BEHENTRIMONIUM METHOSULFATE

10 mg/kg bw/d OECD 407, Oral

Result: NOAEL

Species: Rat

Test Duration: 28 d

GLYCERIN

8000 mg/kg bw/d, Oral

Result: NOAEL

Species: Rat

Test Duration: 2 yr

**Aspiration hazard** Not an aspiration hazard.**Chronic effects** May cause damage to organs through prolonged or repeated exposure.

## 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                |
|----------------------------------------------|------|-----------------------------------------------------|-----------------------------|
| BEHENTRIMONIUM METHOSULFATE (CAS 81646-13-1) |      |                                                     |                             |
| <b>Aquatic</b>                               |      |                                                     |                             |
| <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 201 |
| 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)                       |      |                                                     |                             |
| <b>Aquatic</b>                               |      |                                                     |                             |
| <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          |

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

### Persistence and degradability

#### Biodegradability

##### Percent degradation (Aerobic biodegradation)

BEHENTRIMONIUM METHOSULFATE

80 % OECD 301 B

Result: Readily Biodegradable

Test Duration: 28 d

GLYCERIN

OECD 301

Result: Readily Biodegradable

### Bioaccumulative potential

#### Partition coefficient n-octanol / water (log Kow)

GLYCERIN

-1.76

### 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**

Not regulated.

**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 - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical**

No

**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.

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

GLYCERIN (CAS 56-81-5)

Other Flavoring Substances with OSHA PEL's

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

03-26-2019

**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.