

# SAFETY DATA SHEET

## 1. Identification

|                                                               |                                                     |
|---------------------------------------------------------------|-----------------------------------------------------|
| <b>Product identifier</b>                                     | <b>MATRIX TOTAL RESULTS LENGTH GOAL CONDITIONER</b> |
| <b>Other means of identification</b>                          |                                                     |
| <b>SDS number</b>                                             | 00-12-0000459                                       |
| <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>       |                                                   |             |



**Signal word** Warning

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

### Precautionary statement

|                   |                                                                                                                                                                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prevention</b> | Do not breathe mist/vapors. 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.                                                                                                                                         |

**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 | %   |
|-----------------------------|--------------------------|------------|-----|
| AMODIMETHICONE              |                          | 68554-54-1 | < 2 |
| BEHENTRIMONIUM METHOSULFATE |                          | 81646-13-1 | < 2 |
| BEHENTRIMONIUM CHLORIDE     |                          | 68607-24-9 | < 2 |

\*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/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.                                         |
| <b>Methods and materials for containment and cleaning up</b>               | 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.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. |
| <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/vapors. Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | 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

|                                                                              |                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biological limit values</b>                                               | No biological exposure limits noted for the ingredient(s).                                                                                                                                                                                                                                                                                                                         |
| <b>Appropriate engineering controls</b>                                      | 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. |
| <b>Individual protection measures, such as personal protective equipment</b> |                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Eye/face protection</b>                                                   | Applicable for industrial settings only. Chemical respirator with organic vapor cartridge and full facepiece.                                                                                                                                                                                                                                                                      |
| <b>Skin protection</b>                                                       |                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Hand protection</b>                                                       | Applicable for industrial settings only. Wear appropriate chemical resistant gloves.                                                                                                                                                                                                                                                                                               |
| <b>Other</b>                                                                 | Applicable for industrial settings only. Wear suitable protective clothing. Use of an impervious apron is recommended.                                                                                                                                                                                                                                                             |
| <b>Respiratory protection</b>                                                | Applicable for industrial settings only. Chemical respirator with organic vapor cartridge and full facepiece.                                                                                                                                                                                                                                                                      |
| <b>Thermal hazards</b>                                                       | Wear appropriate thermal protective clothing, when necessary.                                                                                                                                                                                                                                                                                                                      |
| <b>General hygiene considerations</b>                                        | 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

|                                                     |                                   |
|-----------------------------------------------------|-----------------------------------|
| <b>Appearance</b>                                   |                                   |
| <b>Physical state</b>                               | Liquid.                           |
| <b>Form</b>                                         | Viscous Liquid                    |
| <b>Color</b>                                        | White                             |
| <b>Odor</b>                                         | Not available.                    |
| <b>Odor threshold</b>                               | Not available.                    |
| <b>pH</b>                                           | 3 - 4                             |
| <b>Melting point/freezing point</b>                 | Not available.                    |
| <b>Initial boiling point and boiling range</b>      | > 212 °F (> 100 °C)               |
| <b>Flash point</b>                                  | > 199.4 °F (> 93.0 °C) Closed Cup |
| <b>Evaporation rate</b>                             | Not available.                    |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                   |
| <b>Upper/lower flammability or explosive limits</b> |                                   |
| <b>Flammability limit - lower (%)</b>               | Not available.                    |
| <b>Flammability limit - upper (%)</b>               | Not available.                    |
| <b>Explosive limit - lower (%)</b>                  | Not available.                    |
| <b>Explosive limit - upper (%)</b>                  | Not available.                    |
| <b>Vapor pressure</b>                               | Not available.                    |
| <b>Vapor density</b>                                | Not available.                    |
| <b>Relative density</b>                             | Not available.                    |
| <b>Solubility(ies)</b>                              |                                   |
| <b>Solubility (water)</b>                           | Not available.                    |
| <b>Partition coefficient (n-octanol/water)</b>      | 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>Density</b>                   | >= 0.98 g/cm3  |
| <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>                | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. 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>   | No adverse effects due to inhalation are expected.   |
| <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.

| <b>Product</b>                               | <b>Species</b>                                       | <b>Test Results</b>      |
|----------------------------------------------|------------------------------------------------------|--------------------------|
| MATRIX TOTAL RESULTS LENGTH GOAL CONDITIONER |                                                      |                          |
| <u><b>Acute</b></u>                          |                                                      |                          |
| <b>Dermal</b>                                |                                                      |                          |
| ATEmix                                       |                                                      | 460800 mg/kg             |
| <b>Oral</b>                                  |                                                      |                          |
| ATEmix                                       |                                                      | 211000 mg/kg             |
| <b>Components</b>                            | <b>Species</b>                                       | <b>Test Results</b>      |
| AMODIMETHICONE (CAS 68554-54-1)              |                                                      |                          |
| <u><b>Acute</b></u>                          |                                                      |                          |
| <b>Dermal</b>                                |                                                      |                          |
| LD50                                         | Rabbit                                               | > 2000 mg/kg             |
| <b>Oral</b>                                  |                                                      |                          |
| LD50                                         | Rat                                                  | > 8000 mg/kg             |
| BEHENTRIMONIUM CHLORIDE (CAS 68607-24-9)     |                                                      |                          |
| <u><b>Acute</b></u>                          |                                                      |                          |
| <b>Oral</b>                                  |                                                      |                          |
| LD50                                         | Rat                                                  | 3190 mg/kg OECD 401      |
| BEHENTRIMONIUM METHOSULFATE (CAS 81646-13-1) |                                                      |                          |
| <u><b>Acute</b></u>                          |                                                      |                          |
| <b>Oral</b>                                  |                                                      |                          |
| LD50                                         | Rat                                                  | 3190 mg/kg bw/d OECD 401 |
| <b>Skin corrosion/irritation</b>             | No adverse effects due to skin contact are expected. |                          |

**Irritation Corrosion - Skin**

BEHENTRIMONIUM METHOSULFATE

OECD 404

Result: Irritating

Species: Rabbit

BEHENTRIMONIUM CHLORIDE

OECD 405

Result: Irritating

Species: Rabbit

AMODIMETHICONE

Result: Irritating

Species: Rabbit

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Irritation Corrosion - Eye**

BEHENTRIMONIUM CHLORIDE

OECD 404

Result: Corrosive

Species: Rabbit

BEHENTRIMONIUM METHOSULFATE

OECD 405

Result: Corrosive

Species: Rabbit

AMODIMETHICONE

Result: 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**

BEHENTRIMONIUM CHLORIDE

OECD 406

Result: Not Sensitizing

Species: Guinea pig

BEHENTRIMONIUM METHOSULFATE

OECD 406

Result: Not Sensitizing

Species: Guinea pig

AMODIMETHICONE

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**

AMODIMETHICONE

Result: In vitro tests did not show mutagenic effects

BEHENTRIMONIUM CHLORIDE

Result: In vitro 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 1910.1001-1052)**

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**

BEHENTRIMONIUM METHOSULFATE

30 mg/kg bw/d OECD 421

Result: NOAEL

Species: Rat

**Reproductivity**

BEHENTRIMONIUM CHLORIDE

75 mg/kg bw/d OECD 421

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.

**Specific target organ toxicity -  
repeated exposure**

BEHENTRIMONIUM CHLORIDE

10 mg/kg bw/d OECD 407, Oral

Result: NOAEL

Species: Rat

Test Duration: 28 d

BEHENTRIMONIUM METHOSULFATE

10 mg/kg bw/d OECD 407, Oral

Result: NOAEL

Species: Rat

Test Duration: 28 d

**Aspiration hazard**

Not an aspiration hazard.

**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                                      |         |                                                     |                             |
| Acute                                        |         |                                                     |                             |
| Crustacea                                    | EC50    | Daphnia magna                                       | 11 mg/l, 48 h OECD 202      |
| BEHENTRIMONIUM CHLORIDE (CAS 68607-24-9)     |         |                                                     |                             |
| Aquatic                                      |         |                                                     |                             |
| Acute                                        |         |                                                     |                             |
| 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       |
| Chronic                                      |         |                                                     |                             |
| Crustacea                                    | NOEC    | Daphnia magna                                       | 0.128 mg/l, 21 d OECD 211   |
| Fish                                         | NOEC    | Danio rerio                                         | 0.24 mg/l, 9 d OECD 212     |
| BEHENTRIMONIUM METHOSULFATE (CAS 81646-13-1) |         |                                                     |                             |
| Aquatic                                      |         |                                                     |                             |
| Acute                                        |         |                                                     |                             |
| 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       |
| Chronic                                      |         |                                                     |                             |
| Crustacea                                    | NOEC    | Daphnia magna                                       | 0.128 mg/l, 21 d OECD 211   |
| Fish                                         | NOEC    | Danio rerio                                         | 0.24 mg/l, 9 d OECD 212     |

**Persistence and degradability**

**Biodegradability**

**Percent degradation (Aerobic biodegradation)**

AMODIMETHICONE

Result: Not Readily Biodegradable

BEHENTRIMONIUM CHLORIDE

80 % OECD 301

Result: Readily Biodegradable

Test Duration: 28 d

BEHENTRIMONIUM METHOSULFATE

80 % OECD 301 B

Result: Readily Biodegradable

Test Duration: 28 d

**Bioaccumulative potential**

|                                              |                                                                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mobility in soil</b>                      | No data available.                                                                                                                                                                                               |
| <b>Other adverse effects</b>                 | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.                          |
| <b>13. Disposal considerations</b>           |                                                                                                                                                                                                                  |
| <b>Disposal instructions</b>                 | 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.                         |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                           |
| <b>Waste from residues / unused products</b> | 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). |
| <b>Contaminated packaging</b>                | 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.

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

**Issue date** 08-22-2022

**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.

**Revision information** This document has undergone significant changes and should be reviewed in its entirety.