SAFETY DATA SHEET

1. Identification
Product identifier: Monarch Skin Revitalizing Hand Lotion
Other means of identification: Not available.
Recommended use: Skin Lotion
Recommended restrictions: None known.
Manufacturer/Importer/Supplier/Distributor

2. Hazard(s) identification
Physical hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.
Health hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.
Environmental hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.
OSHA defined hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.
Label elements
Hazard symbol: None.
Signal word: None.
Hazard statement: The mixture does not meet the criteria for classification.
Precautionary statement
Prevention: None required according to OSHA Hazcom 2012.
Response: None required according to OSHA Hazcom 2012.
Storage: None required according to OSHA Hazcom 2012.
Disposal: None required according to OSHA Hazcom 2012.
Hazard(s) not otherwise classified (HNOC): None known.

Supplemental information: None.

3. Composition/information on ingredients
Mixtures
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stearic Acid</td>
<td>Not Available</td>
<td>57-11-4</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>2,2',2''-Nitrilotriethanol</td>
<td>102-71-6</td>
<td>Proprietary</td>
</tr>
<tr>
<td></td>
<td>Tris(2-hydroxyethyl)amine</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. First-aid measures
Inhalation: If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.
Skin contact: If irritation develops, rinse hands with water. Get medical attention if symptoms persist.
Eye contact: If in eyes, rinse with water. Get medical attention if symptoms persist.
Ingestion: Seek medical advice.
Most important symptoms/effects, acute and delayed
Indication of immediate medical attention and special treatment needed

5. Fire-fighting measures

Suitable extinguishing media
Dry chemicals. Foam. 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
Thermal decomposition or combustion may liberate toxic gases or fumes.

Special protective equipment and precautions for firefighters
None known.

Fire fighting equipment/instructions
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

General fire hazards
No unusual fire or explosion hazards noted.

Hazardous combustion products
Carbon oxides.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear appropriate personal protective equipment as required. For personal protection, see section 8 of the SDS. Clean up promptly.

Methods and materials for containment and cleaning up
Large Spills: Flush with plenty of water. Prevent entry into waterways, sewer, basements or confined areas. Dike for later disposal.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

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

7. Handling and storage

Precautions for safe handling
None required when used as intended.

Conditions for safe storage, including any incompatibilities
Keep container tightly closed when not in use.

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stearic Acid (CAS 57-11-4)</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Triethanolamine (CAS 102-71-6)</td>
<td>TWA</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

Biological limit values

Appropriate engineering controls
No biological exposure limits noted for the ingredient(s). Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection
None required when used as intended.

Skin/Hand protection
None required when used as intended

Other
When used in large volumes, contact health or safety professional or manufacturer for specific information.
Respiratory protection: None required when used as intended.
Thermal hazards: Not available.
General hygene considerations: None required when used as intended.

9. Physical and chemical properties

Appearance: Lotion.
  Physical state: Liquid.
  Form: Lotion.
  Color: Light pink.
Odor: Not available.
Odor threshold: Not available.
pH: Not available.
Melting point/freezing point: Not available.
Initial boiling point and boiling range: Not available.
Flash point: Not available.
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): Insoluble.
Partition coefficient (n-octanol/water): Not available.
Auto-ignition temperature: Not available.
Decomposition temperature: Not available.
Viscosity: Not available.
Other information:
  Specific gravity: 1

10. Stability and reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability: Stable at normal conditions.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: High temperatures.
Hazardous decomposition products: Carbon oxides.
11. Toxicological information

Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Under normal conditions of intended use, this material is not expected to be an inhalation hazard.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No adverse effects due to skin contact are expected.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Direct contact with eyes may cause temporary irritation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No harmful effects expected in amounts likely to be ingested by accident.</td>
</tr>
</tbody>
</table>

Most important symptoms/effects, acute and delayed

Information on toxicological effects

Acute toxicity

No adverse effects are expected.

Components | Species | Test Results
--- | --- | ---
Stearic Acid (CAS 57-11-4)

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td>14286 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Human</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>4600 mg/kg</td>
</tr>
</tbody>
</table>

Triethanolamine (CAS 102-71-6)

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation

This product is not classified as a skin corrosive or irritant.

Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization

This product is not expected to cause respiratory sensitization.

Skin sensitizer

This product is not expected to cause skin sensitization.

Germ cell mutagenicity

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

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Triethanolamine (CAS 102-71-6) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity

This product is not expected to cause reproductive effects.

Specific target organ toxicity - single exposure

Not classified as a specific target organ toxicity - single exposure.

Specific target organ toxicity - repeated exposure

Not classified as a specific target organ toxicity - repeated exposure.

Aspiration toxicity

Not expected to be an aspiration hazard.

12. Ecological information

Ecotoxicity

Not expected to be harmful to aquatic organisms.
Components | Species | Test Results
---|---|---
Triethanolamine (CAS 102-71-6) | **Acute**
**Aquatic**
Algae | EC50 | Green algae (Desmodesmus subspicatus)
Crustacea | EC50 | Water flea (Ceriodaphnia affinis)
Fish | LC50 | Fathead minnow (Pimephales promelas)
**Chronic**
Crustacea | NOEC | Water flea (Daphnia magna)

**Persistence and degradability**
Not available.

**Bioaccumulative potential**
Not available.

**Partition coefficient n-octanol / water (log Kow)**
- Stearic Acid: 8.23
- Triethanolamine: -1

**Mobility in soil**
Not 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**
Dispose of in accordance with local regulations.

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

**Hazardous waste code**
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products**
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues.

Contaminated packaging
See disposal instructions.

14. Transport information

**DOT**
Not regulated as dangerous goods.

**IATA**
Not regulated as dangerous goods.

**IMDG**
Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not available.

15. Regulatory information

**US federal regulations**
Some of the chemicals are considered 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.
  Not listed.
Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance
- Not listed.

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.

US state regulations
- US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
  - Not listed.
- US. Massachusetts RTK - Substance List
  - Triethanolamine (CAS 102-71-6)
- US. New Jersey Worker and Community Right-to-Know Act
  - Triethanolamine (CAS 102-71-6)
- US. Pennsylvania Worker and Community Right-to-Know Law
  - Triethanolamine (CAS 102-71-6)
- US. Rhode Island RTK
  - Not regulated.
- US. California Proposition 65
  - California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*“Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

Issue date: 01-30-2015
Version #: 02
Disclaimer
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ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices (2014)
Canadian Centre for Occupational Health and Safety, CCInfoWeb Databases, 2014
(Chempendium, RTECs, HSDB, INCHM)
Material Safety Data Sheet from manufacturer.