Zinc Ricinoleate

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Zinc Ricinoleate
Synonyms: Zinc Ricinoleate
INCI Name: Zinc Ricinoleate
CAS Number: 13040-19-2
Formula: C_{36}H_{66}O_{6}Zn
Product Form: Solid pellets
Product Use: Cosmetic use
Distributor: MakingCosmetics.com Inc.
Address: 10800 231st Way NE Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: www.makingcosmetics.com
Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Not classified
GHS Labeling: Not classified
GHS Hazard Pictograms: None
GHS Hazard Statements: None
GHS Precautionary Statements: None
Potential Health Hazards:
- Eyes: May be irritant.
- Inhalation: Not expected to be irritant.
- Skin: May be irritant.
- Ingestion: May be irritant.

NFPA Ratings (704):
- Health: 1 Slight
- Flammability: 0 Minimal
- Reactivity: 0 Minimal
- Specific Hazard: n/a

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>Molecular Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Ricinoleate</td>
<td>13040-19-2</td>
<td>100%</td>
<td>660.301 g/mol</td>
</tr>
</tbody>
</table>

4 FIRST AID MEASURES

- **Eyes:** In case of eye contact, rinse with plenty of water for 15 minutes and seek medical attention if necessary
- **Inhalation:** Ensure supply of fresh air
- **Skin:** Flush with plenty of water and wash using soap.
- **Ingestion:** Do Not Induce Vomiting! Drink large amounts of water. Seek medical advice and show this data sheet.

5 FIRE-FIGHTING MEASURES

- Suitable (and unsuitable) extinguishing media: Not applicable.
- Special protective equipment & precautions for firefighters: Emergency responders must wear self-contained breathing apparatus pressure-demand (MSHA /NIOSH approved or equivalent) and full protective gear.
- Flash Points: >482°F
- Specific hazards arising from the chemical: In the event of fire the following can be released: Carbon Dioxide, Carbon Monoxide, Zinc Oxide.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective See section 8 for recommendations on the use of personal protective equipment.
equipment & emergency procedures: Not available
Environmental precautions: For small spills use personal protective equipment. Do not allow to enter drains or waterways. Do not discharge into soil/subsoil. Pick up mechanically. Dispose of absorbed material in accordance with regulations.

Methods and material for containment and cleaning up:

7 HANDLING & STORAGE

Precautions for safe handling: See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.
Conditions for safe storage, incl. any incompatibilities: Store in original container and keep container closed. (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Component</th>
<th>Exposure Limits</th>
<th>Basis</th>
<th>Entity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Ricinoleate</td>
<td>Not available</td>
<td>STEL: Short Term Exposure Limit</td>
<td>TWA: Time Weighted Average</td>
</tr>
<tr>
<td></td>
<td></td>
<td>during x minutes.</td>
<td>TLV: Threshold Limit Value</td>
</tr>
<tr>
<td></td>
<td></td>
<td>REL: Recommended Exposure Limit</td>
<td>PEL: Permissible Exposure</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Limit</td>
</tr>
</tbody>
</table>

Personal Protection:

Eyes: Chemical resistant goggles or safety glasses with side shields are required.
Inhalation: Not needed under normal conditions of use.
Body: Slip proof shoes may be worn where spills may occur
Other: No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift. Avoid contact with eyes and skin. Protective clothing should be worn where appropriate.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State: Solid pellets
Odor: Characteristic
Taste: Not available
Color: Beige
Molecular Weight: 660.301 g/mol
pH (1% sol. in water): 6.6
Boiling Point: >100°C (212°F)
Melting Point: 160°F / 71°C
Flash Point: Not measured
Specific Gravity: Approx. 600 kg/m3

Vapor Pressure: Not available
Vapor Density: Not available
Evaporation Rate: Not available
Flammability: May be combustible
Upper/lower Explosive Limit: Not available
Solubility: Water-insoluble, melts with other oily components in the oil phase.

10 STABILITY AND REACTIVITY

Reactivity: Product is stable
Chemical Stability: Stable under normal conditions of storage and handling.
Hazardous Polymerization: Will not occur
Conditions to Avoid: None known
Incompatible Materials: No hazardous reactions with proper storage and handling.
Hazardous Decomposition Products: None with proper storage and handling.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Acute oral toxicity (LD50) Species: rat Dose: >2000 mg/kg Method: OECD 401
Skin: Non irritant
Eyes: May be irritant
### Respiratory:
No expected to be a health hazard

### Ingestion:
(LD50) Species: rat Dose: >2000 mg/kg Method: OECD 401

### Carcinogenicity:
Not available

### Teratogenicity:
Not available

### Germ Cell Mutagenicity:
No mutagenic activity

### Embryotoxicity:
Not available

### Specific Target Organ Toxicity:
Not available

### Reproductive Toxicity:
Not available

### Respiratory/Skin Sensitization:
Non irritant

### 12 ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Vertebrate:</td>
<td>Not available</td>
</tr>
<tr>
<td>Aquatic Invertebrate:</td>
<td>Not available</td>
</tr>
<tr>
<td>Terrestrial:</td>
<td>Not available</td>
</tr>
<tr>
<td>Persistence and Degradability:</td>
<td>Not available</td>
</tr>
<tr>
<td>Bioaccumulative Potential:</td>
<td>Not available</td>
</tr>
<tr>
<td>Mobility in Soil:</td>
<td>Not available</td>
</tr>
<tr>
<td>PBT and vPvB Assessment:</td>
<td>Not available</td>
</tr>
<tr>
<td>Other Adverse Effects:</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### 13 DISPOSAL CONSIDERATIONS

**Waste Residues:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

**Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods.

### 14 TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>DOT (Dept. of Transportation, USA):</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG (Transportation of Dangerous Goods, Canada):</td>
<td>Not regulated</td>
</tr>
<tr>
<td>IMDG (International Maritime Dangerous Goods):</td>
<td>Not regulated</td>
</tr>
<tr>
<td>IATA (International Air Transport Association):</td>
<td>Not regulated</td>
</tr>
<tr>
<td>ICAO (International Civil Aviation Organization):</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

### 15 REGULATORY INFORMATION

| TSCA Inventory Status: | No data available |
| DSCL (EEC):            | This product is not classified according to the EU regulations. Not applicable. |
| WHMIS (Canada):        | Not controlled under WHMIS (Canada) |

### 16 OTHER INFORMATION

**Revision Date:** 08-24-2015

**Compliance:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

**Disclaimer:** This 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 other process. Such information is to be the best of the company’s knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user’s responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.