

## Zinc Ricinoleate

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 23-Jun-2020  
Supersedes: 25-Sep-2015

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Zinc Ricinoleate	<b>Distributor:</b>	MakingCosmetics.com Inc.
<b>Synonyms:</b>	Zinc Ricinoleate	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	Zinc Ricinoleate	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	13040-19-2	<b>Web:</b>	www.makingcosmetics.com
<b>Formula:</b>	No data available		
<b>Product Form:</b>	Solid pellets		
<b>Product Use:</b>	Cosmetic use	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

<b>GHS Classification:</b>	Not classified												
<b>GHS Labeling:</b>	Not classified												
<b>GHS Hazard Pictograms:</b>	None												
<b>GHS Hazard Statements:</b>	None												
<b>GHS Precautionary Statements:</b>	None												
<b>Potential Health Hazards:</b>	Eyes: May be irritant. Inhalation: Not expected to be irritant. Skin: May be irritant. Ingestion: May be irritant.												
<b>NFPA Ratings (704):</b>	<table border="1"> <tr> <td>Health</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Flammability</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Reactivity</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Specific Hazard</td> <td colspan="2">N/A</td> </tr> </table>	Health	N/A	N/A	Flammability	N/A	N/A	Reactivity	N/A	N/A	Specific Hazard	N/A	
Health	N/A	N/A											
Flammability	N/A	N/A											
Reactivity	N/A	N/A											
Specific Hazard	N/A												

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Zinc Ricinoleate	13040-19-2	>99%	Not Available

### 4 FIRST AID MEASURES

<b>Eyes:</b>	Remove any contact lenses. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If symptoms develop, obtain medical attention.
<b>Inhalation:</b>	Not normally required. Treat symptomatically.
<b>Skin:</b>	Not normally required. Wash affected skin with plenty of water. If irritation (redness, rash, blistering) develops, get medical attention.
<b>Ingestion:</b>	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Call a physician or POISON CONTROL CENTER immediately.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
<b>Flash Points:</b>	>120°C
<b>Specific hazards arising from the chemical:</b>	Combustion or thermal decomposition will evolve toxic and irritant vapors. Carbon monoxide, carbon dioxides, and zinc oxides. See also Stability and Reactivity section.

### 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:**  
**Environmental precautions:**

Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.  
 Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

**Methods and material for containment and cleaning up:**

Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

## 7 HANDLING & STORAGE

**Precautions for safe handling:**

Avoid skin contact. Do not get in eyes. Avoid contact with excessive heat. **WARNING:** Air oxidation of this material on fibrous articles such as cloth or filter media may present a spontaneous combustion hazard if heat is not allowed to dissipate. To avoid spontaneous combustion: (1) prevent residue build-ups and (2) soak soiled rags, filters, and over-spray wastes in water before disposing. 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 cool, dry well-ventilated area. (Not exceeding 50°C/122°F). Keep away from heat and incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Component**  
Zinc Ricinoleate

**Exposure Limits**  
Not available

**Basis**

**Entity**

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CELL: Ceiling

**Personal Protection:**

**Eyes:** Safety glasses with side-shields should be worn.  
**Inhalation:** Not needed under normal conditions of use.  
**Body:** Gloves (PVC, Neoprene, or Natural Rubber) should be used. Wear body-covering clothing.  
**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. Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Waxy solid	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	No data available	<b>Vapor Density (Air = 1):</b>	Heavier than air
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	Tan	<b>Flammability:</b>	Not applicable
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH:</b>	No data available	<b>Flash Point:</b>	>120°C
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	No data available
<b>Melting Point:</b>	Ca. 70°C	<b>Solubility in Water:</b>	Insoluble
<b>Relative Density:</b>	Ca. 0.6 (pastilles) 1.2 (solid)	<b>Auto-Ignition Temperature:</b>	Not applicable
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	Not explosive
<b>Oxidizing Properties:</b>	Not oxidizing	<b>Freezing Point:</b>	No data available

## 10 STABILITY AND REACTIVITY

**Reactivity:** Stable under normal conditions

<b>Chemical Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	None anticipated
<b>Conditions to Avoid:</b>	Avoid contact with excessive heat. <b>WARNING:</b> Air oxidation of this material on fibrous articles such as cloth or filter media may present a spontaneous combustion hazard if heat is not allowed to dissipate. To avoid spontaneous combustion: (1) prevent residue build-ups and (2) soak soiled rags, filters, and over-spray wastes in water before disposing.
<b>Incompatible Materials:</b>	Strong oxidizing agents and reducing agents.
<b>Hazardous Decomposition Products:</b>	Low molecular weight organic compounds; oxides of carbon and zinc; smoke of unknown toxicity.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available
<b>Skin:</b>	No data available
<b>Eyes:</b>	No data available
<b>Respiratory:</b>	No data available
<b>Ingestion:</b>	LD50: >2000 mg/kg
<b>Carcinogenicity:</b>	Unlikely to present a carcinogenic hazard to man.
<b>Teratogenicity:</b>	No data available
<b>Germ Cell Mutagenicity:</b>	No evidence of mutagenic potential.
<b>Embryotoxicity:</b>	None anticipated
<b>Specific Target Organ Toxicity:</b>	No data available
<b>Reproductive Toxicity:</b>	None anticipated
<b>Respiratory/Skin Sensitization:</b>	Not a skin sensitizer
<b>Corrosivity:</b>	No data available
<b>Sensitization:</b>	No data available
<b>Irritation:</b>	No data available
<b>Repeated Dose Toxicity:</b>	None anticipated

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	
<b>Aquatic Vertebrate:</b>	LC50: 27000 mg/L (fish)
<b>Aquatic Invertebrate:</b>	EC10: 60 mg/L (bacteria)
<b>Terrestrial:</b>	No data available
<b>Persistence and Degradability:</b>	The organic part of the product is readily biodegradable.
<b>Bioaccumulative Potential:</b>	The product has no potential for bioaccumulation.
<b>Mobility in Soil:</b>	No data available
<b>PBT and vPvB Assessment:</b>	Not classified as a PBT or a vPvB.
<b>Other Adverse Effects:</b>	None known

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	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.
<b>Product Containers:</b>	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

<b>DOT (Dept. of Transportation, USA):</b>	Not regulated as a dangerous good
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	No data available
<b>IMDG (International Maritime Dangerous Goods):</b>	Not regulated as a dangerous good
<b>IATA (International Air Transport Association):</b>	Not regulated as a dangerous good
<b>ICAO (International Civil Aviation Organization):</b>	Not regulated as a dangerous good

**15 REGULATORY INFORMATION**

<b>TSCA Inventory Status:</b>	All components are listed or polymer exempt
<b>DSCL (EEC):</b>	No data available
<b>WHMIS (Canada):</b>	No data available
<b>EU EINECS/ELINCS/NLP:</b>	No data available
<b>China IECSC:</b>	No data available
<b>China IECIC (06.30.2014):</b>	No data available
<b>Australia AICS:</b>	No data available

**16 OTHER INFORMATION**

<b>Revision Date:</b>	23-Jun-2020
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	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 suitability & completeness of such information for his own particular use.