

Zinc Ricinoleate

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

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Zinc ricinoleate
 INCI Name: Zinc ricinoleate
 CAS Number: 13040-19-2
 Formula: $C_{36}H_{66}O_6Zn$ Web:
 Product Form: Dry

www.soapandmore.ca

Product Use: Cosmetic use

Emergency Telephone Number: 1-800-424-9300
(Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Eye Irrit. 2
 GHS Signal Word: WARNING

GHS Hazard Pictograms:



GHS Hazard Statements:

H319: Causes serious eye irritation

GHS Precautionary Statements:

P338: Remove contact lenses if present. Rinse with water for several minutes

Potential Health Hazards:

Eyes: Irritant.
 Inhalation: Not expected to be irritant.
 Skin: May be irritant.
 Ingestion: May be irritant.

NFPA Ratings (704):

Health	1	Slight
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	n/a	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Zinc ricinoleate	13040-19-2	>99.9%	660.29 g/mol

4 FIRST AID MEASURES

Eyes: In case of eye contact, rinse with plenty of water for at least 15 minutes and seek medical attention if necessary

Inhalation: Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

Skin: Flush with plenty of water and wash using soap.

Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical, water spray) for adjacent fire. Do not use water.

SDS (Safety Data Sheet)



Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points: >121.11°C (250°F)
Specific hazards arising from the chemical: May emit toxic fumes under fire conditions. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions: Not available
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: 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. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Zinc ricinoleate	Not available		

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
CEIL: Ceiling

Personal Protection:

Eyes: Chemical safety glasses or goggles in compliance with OSHA are advised
Inhalation: Avoid breathing vapors and mists. Wear respirator if needed.
Body: Rubber gloves, impervious clothing, and slip proof shoes may be worn where spills may occur
Other: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Liquid	Vapor Pressure:	Not available
Odor:	Not available	Density:	Approx. 0.6 g/ml
Taste:	Not available	Evaporation Rate:	Not available
Color:	Tan	Flammability:	May be combustible
Molecular Weight:	Not available	Upper/lower Explosive Limit:	Not available
pH (1% sol. in water)	Not available	Flash Point:	>121.11°C (250°F)
Boiling Point:	Not available	Specific Gravity:	Not available
Melting Point:	Approx. 70°C (158°F)	Solubility:	Insoluble in water

10 STABILITY AND REACTIVITY

SDS (Safety Data Sheet)



Reactivity:	Product is stable
Chemical Stability:	Product is stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Excessive heat. 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.
Incompatible Materials:	None known
Hazardous Decomposition Products:	In case of fire or extreme heat, the following may be produced: oxides of carbon and zinc

11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	LD50 (rat): >2000 mg/kg (OECD 401)
Skin:	Skin (rabbit): Non-irritant (OECD 404)
Eyes:	Eye (rabbit): Non-irritant (OECD 405)
Respiratory:	No expected to be a health hazard
Ingestion:	Not available
Carcinogenicity:	Not available
Teratogenicity:	Ames test: No mutagenic activity
Germ Cell Mutagenicity:	Ames test: No mutagenic activity
Embryotoxicity:	Not available
Specific Target Organ Toxicity:	Not available
Reproductive Toxicity:	Ames test: No mutagenic activity
Respiratory/Skin Sensitization:	Skin (guinea pig): non-sensitizing (OECD 406)

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Fish:	LC50 (gold orfe): 27 g/L (OECD 203)
Respiration inhibition:	EC10 (bacteria): 60mg/L (DIN 38412 T.27)
Persistence and Degradability:	Biodegradation: 99% (OECD 301D)
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available
PBT and vPvB Assessment:	Not available
Other Adverse Effects:	Not available

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

DOT (Dept. of Transportation, USA):	Not regulated
TDG (Transportation of Dangerous Goods, Canada):	Not regulated
IMDG (International Maritime Dangerous Goods):	Not regulated
IATA (International Air Transport Association):	Not regulated

SDS (Safety Data Sheet)



ICAO (International Civil Aviation Organization): Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status: All components are listed or otherwise in compliance with TSCA notification requirements.
CERCLA [40CFR302]: No components with known CAS numbers are listed as hazardous substances and subject to reporting.
SARA 302/304 [40CFR355]: No components listed as extremely hazardous substances and known to be present at or above the minimum levels as specified in 40 CFR355.13
SARA 311/312 [40CFR370]: No hazards
SARA 313 [40CFR372]: Components listed as reportable and known to be present at or above the minimum level as specified in 40 CFR372.38(a): Zinc compounds, >99%
California Prop 65: No components listed are found to cause cancer and/or are harmful to reproduction

16 OTHER INFORMATION

Revision Date: 09-23-2015
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 suitability & completeness of such information for his own particular use.