

Safety Data Sheet

Crafter's Choice™ Zinc Ricinoleate

1. Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Trade name	Crafter's Choice™ Zinc Ricinoleate
Chemical Name	Zinc-di-ricinoleat

1.2. Recommended use of the chemical and restrictions on use

Recommended use	Manufacture of cosmetic products
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Non-recommended use(s)	None known.
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1.3. Details of the supplier of the safety data sheet

Company	Crafter's Choice Brands, LLC 7820 E. Pleasant Valley Road Independence, OH 44131
Telephone	1-800-908-7028
Website	www.Crafters-Choice.com

1.4. Emergency telephone number

Emergency Telephone	(800) 255-3924 Domestic USA, Canada, Puerto Rico, and US Virgin Islands
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2. Hazards identification**2.1. Classification of the substance or mixture**

Not a hazardous substance or mixture according to 29 CFR 1910.1200.

2.2. Label elements

The product does not require a hazard warning label in accordance with GHS. The normal safety precautions for the handling of chemicals must be observed.

2.3. Other hazards

None known

Safety Data Sheet

Crafter's Choice™ Zinc Ricinoleate

3. Composition/information on ingredients**3.1. Substances**

No hazardous ingredients acc. the 1999/45/EC and 67/548/EEC directives.

3.2. Mixtures

4. First aid measures**4.1. Description of first aid measures**

General advice	Remove contaminated clothing.
Inhalation	Ensure supply of fresh air. In the event of symptoms take medical treatment.
Skin contact	In case of contact with skin, washoff immediately with soap and water Consult a doctor if skin irritation persists.
Eye contact	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice
Ingestion	Thoroughly clean the mouth with water Seek medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	No information is on file to date regarding acute and/or delayed post-exposure symptoms and effects.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**5.1. Extinguishing media**

Suitable extinguishing media	Foam, carbon dioxide, dry powder, water spray.
Unsuitable extinguishing media	Not applicable

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:
- carbon dioxide, carbon monoxide
- Zinc oxide

5.3. Advice for firefighters

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment.
Forms slippery/greasy layers with water

6.2. Environmental precautions

Safety Data Sheet

Crafter's Choice™ Zinc Ricinoleate

Do not allow to enter drains or waterways
Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

7. Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling	Ensure adequate ventilation. Provide exhaust ventilation if dust is formed.
Handling	No data available
General protective measures	Avoid contact with eyes and skin

7.2. Conditions for safe storage, including any incompatibilities**Prevention of fire and explosion**

Information	No special measures required.
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Storage

Information	Keep only in original container.
Further information on storage conditions	Keep container closed. Keep container in a cool, well-ventilated place

8. Exposure controls/personal protection**8.1. Control parameters**

Contains no substances with occupational exposure limit values.

8.2. Exposure controls**Engineering controls****Personal protective equipment**

Eye protection	Goggles with side pieces
Hand protection	Glove material: gloves made of natural latex Break through time :> 480 min Glove thickness: 0.5 mm Glove material: gloves made of chloroprene (CR, e.g. Neoprene) Break through time :> 480 min Glove thickness: 0.6 mm Glove material: gloves made of nitril (NBR) Break through time :> 480 min Glove thickness: 0.1 mm Glove material: protective gloves made of fluorinated rubber (FKM, e.g. Viton) Break through time :> 480 min Glove thickness: 0.7 mm Glove material: gloves made of butyl (IIR) Break through time :> 480 min Glove thickness: 0.3 mm

Safety Data Sheet

Crafter's Choice™ Zinc Ricinoleate

Body Protection	Protective clothing
Respiratory protection	In case of formation of vapors / dusts: Short term: filter apparatus, combination filter A-P2

9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Solid
Form	Pellets
Color	Beige
Odor	Characteristic
Odor Threshold	Not measured
pH	Not applicable
Melting point	
Boiling point	Not measured
Flash point	482.00 °F
Evaporation rate	Not measured
Flammability	No data available
Upper Explosion/Ignition Limit	Not measured
Lower explosion limit	Not measured
Vapor pressure	Not measured
Relative vapor density	Not measured
Relative density	No data available
Solubility	Not measured
Water solubility	Insoluble
Partition coefficient (n-octanol/water)	Not measured
Auto ignition temperature	Not measured
Thermal decomposition	No data available
Viscosity, kinematic	No data available

Safety Data Sheet

Crafter's Choice™ Zinc Ricinoleate

Viscosity, dynamic Not applicable

Explosive properties Not measured

Oxidizing properties not measured

9.2. Other information

Bulk density ca. 600 kg/m³
(20 °C)

Metal corrosion Not measured

Ignition temperature ca. 440 °C

10. Stability and reactivity**10.1. Reactivity**

See section "Possibility of hazardous reactions"

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions with proper storage and handling.

10.4. Conditions to avoid

None

10.5. Incompatible materials

Unknown

10.6. Hazardous decomposition products

No data available

11. Toxicological information**11.1. Information on toxicological effects**

Acute toxicity (oral) LD50
Species: Rat
Dose: > 2,000 mg/kg
Method: OECD Test Guideline 401
Remarks: Values refer to the main component.

Acute toxicity
(inhalation) No data available

Acute toxicity
(dermal) No data available

Irritation/corrosion of
the skin Species: rabbit
Result: non-irritant
Method: OECD 404
Remarks: Values refer to the main component.

Serious eye damage/
eye irritation Species: rabbit
Result: non-irritant

Safety Data Sheet

Crafter's Choice™ Zinc Ricinoleate

Respiratory/skin
sensitization

Method: OECD 405

Remarks: Values refer to the main component.

Species: Guinea pig

Result: non-sensitizing

Classification: Did not cause sensitization on laboratory animals.

Method: OECD 406

Repeated dose
toxicity

No data available

CMR assessment

Carcinogenicity

no data available

Mutagenicity

no data available

Teratogenicity

no data available

Toxicity to
reproduction

: no data available

Carcinogenicity

Not listed by NTP, IARC, ACGIH, or OSHA as a carcinogen

Specific Target
Organ Toxicity -
Single exposure

no data available

Specific Target
Organ Toxicity -
Repeated exposure

no data available

Aspiration hazard

No Aspiration toxicity classification

Other information

Proper use provided, no adverse health effects have been observed or have been come to our knowledge.

12. Ecological information**Ecotoxicology Assessment**

Acute aquatic toxicity

No data available

Chronic aquatic
toxicity

No data available

12.1. Toxicity

Aqua toxicity, fish

Species: gold orfe

LC50: 27 mg/l

Method: OECD 203

Remarks: Values refer to the main component.

Aqua toxicity,
invertebrates

No data available

Aqua toxicity, algae /
aquatic plants

No data available

Toxicity in
microorganisms

No data available

Chronic toxicity in
fish

No data available

Safety Data Sheet

Crafter's Choice™ Zinc Ricinoleate

Chronic toxicity in aquatic Invertebrates	No data available
Toxicity in organisms which live in the soil	No data available
Toxicity in terrestrial plants	No data available
Toxicity to Above-Ground Organisms	No data available
122 Persistence and degradability	
Photo degradation	No data available
Biological degradability	Biological degradability: 99 % Method: OECD 301 D Remarks: Values refer to the main component.
Physico-chemical removability	No data available
Biochemical Oxygen Demand (BOD)	No data available
Chemical Oxygen Demand (COD)	No data available
Relation of BOD/COD	No data available
Dissolved organic carbon (DOC)	No data available
Adsorbed organic bound halogens (AOX)	No data available
Distribution among environmental compartments	No data available
123 Bio accumulative potential	
Bioaccumulation	: No data available
124 Mobility in soil	
Environmental distribution	No data available
125 Results of PBT and vPvB assessment	
PBT and vPvB Assessment	: No data available
126 Other adverse effects	

Safety Data Sheet

Crafter's Choice™ Zinc Ricinoleate

13. Disposal considerations**13.1. Waste treatment methods**

Product	In accordance with local authority regulations, take to special waste incineration plant
Contaminated packaging	If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. Transport information

Not dangerous according to transport regulations.

14.1 UN number:	-
14.2 UN proper shipping name:	-
14.3 Transport hazard class(es):	-
14.4 Packing group:	-
14.5 Environmental hazards:	-
14.6 Special precautions for user:	No

15. Regulatory informationCanada:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation and the (M)SDS contains all information required by the Controlled Products Regulation

Canada

WHMIS CLASSIFICATION

Non-WHMIS

This product contains component(s) that are listed on the WHMIS Ingredient Disclosure List.

9-Octadecenoic acid, 12-hydroxy-, zinc salt (2:1)

13040-19-2

US regulations:

SARA Title III Section 311/312 Hazard Categories

No SARA Hazards

Other regulations

none

State Right to Know

NJ RTK: YES

- 9-Octadecenoic Acid, 12-hydroxy, Zinc Salt (2:1) (CAS-No.: 13040-19-2)

California Proposition 65 Statement

Notification: No

This product does not contain any substance(s) which are defined by the state of California to cause cancer, birth defects, or other reproductive effects.

Safety Data Sheet

Crafter's Choice™ Zinc Ricinoleate

HMIS Ratings	Health:	1
	Flammability:	1
	Reactivity:	0
	Personal Protection:	X

Notification status

USA (TSCA)	Not listed/registered
Canada (DSL)	Not listed/registered

16. Other information**List of references**

Other information	None
Revision date	12/01/2014

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Safety Data Sheet

Crafter's Choice™ Zinc Ricinoleate

Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AON	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADNR	European agreement concerning the international carriage of dangerous goods by inland waterways (ADN)
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration factor
BetrSichV	German Ordinance on Industrial Safety and Health
CC	Closed cup
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
ChemG	German Chemicals Act
CMR	Carcinogenic-mutagenic-toxic for reproduction
DIN	German Institute for Standardization
DMEL	Derived minimum effect level
DNEL	Derived no effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EC50	half maximal effective concentration
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice
GMO	Genetically Modified Organism
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
ISO	International Organization for Standardization
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
o. c.	Open cup
OECD	Organization for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative, toxic
PEC	Predicted effect concentration
PNEC	Predicted no effect concentration
REACH	REACH registration
RID	Convention concerning International Carriage by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substances of Very High Concern
TA	Technical Instructions
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances
VCI	German chemical industry association
vPvB	Very persistent, very bioaccumulative
VOC	Volatile organic compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	Water Hazard Class
WHO	World Health Organization