

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

Non-recommended

use(s)

None known.

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. Emergencytelephone number

Emergency Telephone (800) 255-3924 Domestic USA, Canada, Puerto Rico, and US Virgin Islands

2. Hazards identification

2.1. Classification of the substance or mixture

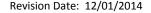
Not a hazardous substance or mixture according to 29 CFR 1910.1200.

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





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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.

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

5.2.

Foam, carbon dioxide, dry powder, water spray.

Unsuitable

extinguishing media

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

Not applicable

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

6.2. Environmental precautions

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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 Ensure adequate ventilation.

handling 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.

Storage

Information Keep only in original container.

Further information on Keep container closed.

storage conditions 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:01mm

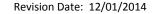
Glove material: protective gloves made of fluorinated rubber (FKM, e.g. Viton)

Break through time :> 480 min

Glove thickness:07mm

Glove material: gloves made of butyl (IIR)

Break through time: >480 min Glove thickness: 0.3 mm





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Body Protection Protective clothing

Respiratory In case of formation of vapors / dusts:

protection 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

Lower explosion limit Not measured

Vapor pressure Not measured

Relative vapor

density

Not measured

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

No data available

decomposition

Viscosity, kinematic No data available

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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

No data available

(dermal)

Irritation/corrosion of

the skin

Species: rabbit Result: non-irritant

Remarks: Values refer to the main component.

Serious eye damage/

eye irritation

Species: rabbit Result: non-irritant

Method: OECD 404



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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 **Toxicityto** : no data available reproduction

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 1

aquatic plants

No data available

Toxicity in microorganisms No data available

Chronic toxicity in

fish

No data available



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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

BiochemicalOxygen 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 : N Assessment

: No data available

26 Other adverse effects



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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 information

Canada:

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 <u>WHMIS CLASSI FICATION</u>

Non-WHMIS

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

Disclosure List.

9-Octadecenoic acid,12-hytlroxy-,zinc

13040-19-2

salt(2:1)

US regulations:

SAR ATitle III Section 311/312 Hazard Categories No SARA Hazards

Other regulations none

State Right to Know NJRTK: 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.



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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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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 Surfactan1s and their Intermediates

ChemG German Chemicals Act

CMR Carcinogenic-rnutagenic-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

ECSO 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 Genetic l\t1odified 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

LOELLowest observed effect levelNOAELNo observed adverse effect levelNOECNo 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