



SDS ZINC RICINOLEATE

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name Zinc ricinoleate
Trade Name
CAS No. 13040-19-2

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Odor Neutralizing Product
Uses Advised Against None

Details of the supplier of the safety data sheet

Company Identification

MuddySoapCo.,Inc
205 N Sycamore St
Tomball, Texas 77375
713-489-6297

Telephone
Fax

Emergency telephone number

Emergency Phone No.

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200) Not classified as dangerous for supply/use.

Label elements

Hazard Symbol(s) None
Signal Word(s) None
Hazard Statement(s) None
Precautionary Statement(s) None

Other hazards

Not classified as PBT or vPvB.

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard classification
Zinc ricinoleate	>99	13040-19-2	Not classified as dangerous for supply/use.

Additional Information - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below. - **None**



SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Not normally required. Treat symptomatically.
Skin Contact	Not normally required. Wash affected skin with plenty of water. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	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.
Ingestion	Call a physician (or poison control centre immediately). Do not give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	None
Indication of any immediate medical attention and special treatment needed	None

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media	
-Suitable Extinguishing Media	Extinguish with carbon dioxide, dry chemical, foam or waterspray.
-Unsuitable Extinguishing Media	None anticipated.
Special hazards arising from the substance or mixture	Combustion or thermal decomposition will evolve toxic and irritant vapours. Carbon monoxide, Carbon dioxide, and Zinc oxides.
Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Not normally required.
Environmental precautions	Do not allow to enter drains, sewers or watercourses.
Methods and material for containment and cleaning up	Sweep up and shovel into waste drums or plastic bags.
Reference to other sections	None
Additional Information	None



SECTION 7: HANDLING AND 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.

Conditions for safe storage, including any incompatibilities

-Storage temperature

Protect from sunlight and store in well-ventilated place. Store at temperatures not exceeding 50°C / 122 °F.

-Incompatible materials

Strong oxidizing agents and reducing agents.

Specific end use(s)

Odor Neutralizing Product

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	-----	-----	-----	-----	-----	-----

- LTEL: Long Term Exposure Limit; STEL: Short Term Exposure Limit

Exposure controls

Appropriate engineering controls

Not normally required.

Personal protection equipment

The following to be used as necessary:

Eye/face protection

Safety glasses with side-shields



Skin protection (Hand protection/ Other)

Gloves (PVC, Neoprene, or Natural rubber).



Respiratory protection

Not normally required.



Thermal hazards

Not normally required.

Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Waxy Solid
Color	Tan
Odor	Not available.
Odor Threshold (ppm)	Not available.
pH (Value)	Not available.
Melting Point (°C) / Freezing Point (°C)	ca. 70
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	>120
Evaporation Rate	Not available.
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not applicable.
Vapour pressure (Pascal)	Not available.
Vapour Density (Air=1)	Heavier than air
Density (g/ml)	ca.0.6 as pastilles, 1.2 as solid
Solubility (Water)	Insoluble
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Point (°C)	Not applicable.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not available. / Not applicable.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	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.
Incompatible materials	Strong oxidizing agents and reducing agents.
Hazardous decomposition product(s)	Low molecular weight organic compounds; oxides of carbon and zinc; smoke of unknown toxicity

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Skin Contact, Eye Contact

Information on toxicological effects

Zinc ricinoleate (CAS# 13040-19-2):



Acute toxicity	Oral: LD50 > 2000 mg/kg (rat)
Irritation / Corrosivity	Unlikely to cause skin irritation. Unlikely to cause eye irritation.
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity	None anticipated
Mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Developmental Toxicity	None anticipated
Toxicity for reproduction	None anticipated
Other information	None known.

SECTION 12: ECOLOGICAL INFORMATION

Substances in preparations / mixtures:

Zinc ricinoleate (CAS# 13040-19-2) - By analogy with similar materials:

Acute toxicity	LC50: 27000 mg/l (Fish) EC10: 60 mg/l (bacteria)
Long Term Toxicity	Not available.
Persistence and degradability	The organic part of the product is readily biodegradable.
Bioaccumulative potential	The product has no potential for bioaccumulation.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
Additional Information	None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number			
Proper Shipping Name			
Transport hazard class(es)			
Packing group			
Environmental hazards			
Special precautions for user			

Not classified as dangerous for transport.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable



SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Zinc compounds	-----	>99	None assigned

SARA 311/312 - Hazard Categories: None

☐ Fire ☐ Sudden Release ☐ Reactivity ☐ Immediate (acute) ☐ Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Zinc compounds	-----	>99

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
None	-----	-----	-----	-----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
None	-----	-----	-----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: September 25, 2015

Hazard Statement(s) Listed in: SECTION 3

None

Training advice: None.

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