

SECTION 3 HAZARDS IDENTIFICATION

Principle Hazards

Warning

- Amber or dark brown liquid with a mild petroleum odor
- Accidental ingestion of this material may cause gastrointestinal disturbances including irritation, nausea, vomiting and diarrhea.
- Aspiration from ingestion may cause lipid pneumonia
- Breathing high concentrations of vapors may cause respiratory irritation and central nervous system effects including headache, nausea, and drowsiness
- May cause eye and skin irritation

See Section 10 for complete health hazard information

KEEP OUT OF REACH OF CHILDREN

SECTION 4 FIRST AID MEASURES

Swallowing:	Get medical attention by calling Poison Control or hospital emergency room. If medical advice cannot be obtained, then take the person and product to the nearest medical treatment center or hospital. Never give anything by mouth to a person who is unconscious or drowsy.
Skin:	Remove contaminated clothing. Wash all affected and exposed areas with soap and water. If skin irritation or redness persists seek medical attention.
Inhalation:	If symptoms of exposure develop, remove fresh air. If breathing becomes difficult, administer oxygen. Administer artificial respiration if breathing had stopped. Seek medical attention.
Eyes:	Exposed eyes should be immediately flushed with copious amounts of water using a steady stream for a minimum of 15 minutes. Seek medical attention.
Notes To Physician:	There is no specific antidote. Treatment of overexposure should be directed at the control symptoms and the clinical conditions. If this product is aspirated following ingestion, it may lead to lipid pneumonia.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point (Method)	374°F (190°) COC 386°F (195°) PMCC
Upper Flammable Limit	Not determined
Lower Flammable Limit	Not determined
Extinguishing Media	Use foam, carbon dioxide or dry chemical
Special Firefighting Procedures	Use self-contained breathing apparatus and full protective clothing. Use water to cool fire-exposed containers. Material may float on water and spread fire
Unusual Fire and Explosion Hazards	The vapor space in closed containers may contain hydrogen sulfide, alkyl mercaptans, sulfides and oxides of nitrogen, sulfur, or phosphorous.
Auto-ignition Temp	Not determined
Explosion Data	None determined

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill Ventilate area. Wear appropriate personal protective equipment. Avoid breathing vapor. Collect material with suitable absorbent material and shovel into appropriate container for disposal. Prevent product from entering sewer or waterways.

SECTION 7 HANDLING AND STORAGE

- Handling Procedures**
- Avoid contact with eyes, skins and clothing
 - Wash exposed skin with soap and water after use.
 - Avoid breathing vapors and mists
 - Use only with adequate ventilation
 - Handling temperatures should not exceed 176°F (80°C)
 - Keep container closed
- Storage Procedures**
- Store in cool, dry, well, ventilated area. Product may decompose to toxic products if stored above 113°F (45°C) for prolonged periods or if heat sources above 250°F (121°C) are used.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Ventilation Procedures** General ventilation should be adequate for normal use. For operations where the TLV may be exceeded, mechanical ventilation such as local exhaust may be needed to maintain exposure levels below applicable limits.
- Gloves Protection** Impervious gloves such as nitrile are recommended for operations which may result in skin contact.
- Eye Protection** Safety glasses, chemical safety goggles or face shield is recommended to prevent eye contact.
- Respiratory Protection** None needed under normal use conditions. For operations where the TLV may be exceeded, a NIOSH/MSHA approved supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus
- Clothing Recommendation** Protective clothing if needed to avoid prolonged/repeated skin contact. Suitable washing and eye flushing facilities should be available in the work area. Contaminated clothing should be removed and laundered or dry-cleaned before re-use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	Not determined
pH	Not determined
Specific Gravity	088 @ 15.6°C
Water Solubility	Insoluble
Percent Volatile	Not determined
Vapor Density	Not determined
Evaporation Rate	Not determined
Odor	Mild petroleum odor
Appearance	Dark brown to amber liquid
Viscosity	5200-6340 cSt @ 40°C
Boiling Point	Not determined
Freezing Point	Not applicable

SECTION 10 STABILITY AND REACTIVITY

Stability	Stable
Incompatibility	Oxidizing agents and reducing agents
Conditions to Avoid	Avoid excessive heat for prolonged periods.
Polymerization	Will not occur
Hazardous Decomposition	Heating will generate toxic and flammable hydrogen sulfide. Burning can produce carbon monoxide, carbon dioxide, aldehydes, hydrogen sulfide, alkyl mercaptans, sulfides and oxides of nitrogen, sulfur, or phosphorous.

SECTION 11 TOXICOLOGICAL INFORMATION

Oral Toxicity	Swallowing large amounts may cause gastrointestinal disturbances including abdominal discomfort, belching, nausea and diarrhea. Aspiration may lead to lipid pneumonia.
Eye Irritation	May cause eye irritation with tearing, reddening and swelling of the conjunctiva.
Skin Irritation	May cause irritation, seen as localized redness and swelling
Dermal Toxicity	No evidence of adverse effects from available information
Inhalation Toxicity	Excessive inhalation of vapor or mist may cause irritation of the nose and throat and central nervous system effects including headache, nausea and drowsiness. The release of hydrogen sulfide gas in various concentrations may cause irritation of the eyes and respiratory tract, headache, dizziness, nausea and drowsiness. Exposure to high concentrations of hydrogen sulfide may be fatal
Acute Toxicity Values	Product: No data available
Sensitization	This product is not expected to be human skin sensitizer
Chronic Toxicity	Prolonged or repeated contact with this product may possibly lead to irritation and dermatitis
Medical Conditions Aggravated by Exposure	Individuals with preexisting skin disease may be at increased risk from exposure to this product.
Carcinogenicity	None of the components of this product is listed as a carcinogen or suspected carcinogen by IARC, NTP, or OSHA.
Mutagenicity	No evidence of mutagenicity from available data.
Reproductive Toxicity and Teratogenicity	No evidence of adverse reproductive effects from available data.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic/Terrestrial Toxicity	No data is available at this time.
Environmental Fate	

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal	Dispose in accordance with federal, state and local regulations.
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SECTION 14 TRANSPORT INFORMATION**U.S. DOT Non-Bulk****Shipping Description** None- not regulated**ID Number****Hazard Class** None**Packing Group** None**Label** None**Placards** None

None

IMDG Code Shipping**Description** None- Not regulated**ID Number****Hazard Class** None**Packing Group** None**Label** None**Placards** None

None

Air- IATA Shipping**Description** None- not regulated**ID Number****Hazard Class** None**Packing Group** None**Label** None**Placards** None

None

SECTION 15 REGULATORY INFORMATION**U.S. TSCA Inventory/
other TSCA Regulations** All of the components of this product are listed on the TSCA inventory.
This product is subject to export notification**SARA Ext. Haz. Subst.** None**SARA Section 313** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (SARA 313- Toxic Chemical Release Reporting)

<u>Chemical Name</u>	<u>CAS#</u>	<u>Weight %</u>
Zinc Compounds	Proprietary	1-5

**CERCLA Hazardous
Substances (Section
103)/RQ** This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.**California Proposition 65** This product does not contain chemicals regulated under California Proposition 65.**EEC EINECS** All of the ingredients are listed on the EINECS inventory**Canada** All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

SECTION 15 REGULATORY INFORMATION (CONT.)

Japan MTI All of the ingredients of this product are listed on the Japanese Existing and New Chemical Substances (MITI) List.

Australia All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances.

SECTION 16 OTHER INFORMATION

NFPA Code Health: 1 Fire: 1 Reactivity: 0

HMIS Code Health: 1 Fire: 1 Reactivity: 0

Precautionary Labels Observe all requirements of plant, company or government regulations. "Empty" containers retain product residue and can be hazardous. Keep out of reach of children. Do not take internally.

Revision Indicators Supersedes: December 10, 1995
Revised Sections: Re-Formulated
Product- Revised Section 1, 2, 3, 5, 7, 9, 10, 14, 15, 16

General This MSDS is directed to professional users and bulk handlers of the product. Consumer products are labeled in accordance with Federal Hazardous Substances Act regulations.

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