

Section 4: First-Aid Measures

Description of first aid measures

- Inhalation**
- Move victim to fresh air if adverse effects are observed.
- Skin**
- IF ON SKIN: Wash skin with soap and water. Remove contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.
- Eye**
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion**
- Do NOT induce vomiting. Seek medical attention.

Most important symptoms and effects

- Acute**
- Direct contact with product concentrate may cause eye irritation.
- Delayed**
- Prolonged/repeated exposure may cause mild skin irritation in susceptible individuals.

Indication of any immediate medical attention and special treatment needed

- Note to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire-Fighting Measures

Extinguishing media

- Suitable Extinguishing Media**
- Regular foam, carbon dioxide, dry chemical.
- Unsuitable Extinguishing Media**
- Avoid the use of streaming water, as this may spread the fire.

Media

Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- No unusual hazard noted. Treat as oil fire.
- Hazardous Combustion Products**
- Smoke, soot, fumes or vapors, oxides of: carbon, phosphorus, sulfur, zinc; various hydrocarbons.
- Special Protective Equipment and Precautions for Firefighters**
- Structural firefighters' protective clothing will only provide limited protection. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Wear positive pressure self-contained breathing apparatus (SCBA). Water spray may be used to cool containers exposed to fire.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material.
- Environmental precautions**
- Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Recover free liquid for recycle or disposal. Add absorbant to spill area. LARGE SPILLS: Dike far ahead of liquid spill for later disposal.

Section 7: Handling and Storage

Precautions for safe handling

- Handling**
- Do not mix or store with strong oxidants. Wash hands thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.

Conditions for safe storage, including any incompatibilities

- Storage**
- Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep away from open flame and incompatible materials.

Incompatible Materials

General Industrial Hygiene

Considerations

- Strong oxidizing agents.
- Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating or drinking. Safety shower and eye wash should be available close to work station.

Environmental Exposure

Controls

- Follow best practice for site management and disposal of waste. Avoid release to the environment.

Section 8: Exposure Controls/Personal Protection

Exposure Controls

PEL/TLV

Ingredient	OSHA (PEL)	ACGIH (TLV)	Other
Oil mist, mineral	5mg/M3	5mg/M3	STEL 10mg/M3

Engineering

Measures/Controls

- Use adequate mechanical (general) ventilation or local exhaust as needed to control concentration of airborne contaminants below applical exposure limit values.

Personal Protective Equipment

Pictograms



Respiratory

- Not necessary under conditions of normal use. In case of insufficient ventilation, wear suitable respiratory equipment if exposure limits are exceeded.

Eye/Face

- Wear safety glasses or goggles.

Hands

- Wear protective gloves- neoprene, butyl or nitrile rubber with cuffs.

Skin/Body

- Where extensive dermal exposure may be expected, either a chemical suit or chemical apron will be needed.

Section 9: Physical and Chemical Properties

Information on physical and chemical properties

Appearance	Transparent amber oily liquid
Odor	Low odor
Odor Threshold	Not determined
pH	Not applicable
Melting Point/Freezing Point	Not determined
Boiling Point	Not determined

Flash Point	415°F min., COC
Evaporation Rate	Nil
Flammability (solid, gas)	Not applicable
Flammability Limits	Not determined
Vapor Pressure	Nil
Vapor Density (Air=1)	>1
Specific Gravity/Relative	0.88
Solubilities	Soluble in most petroleum products. Insoluble in water.
Octanol/Water Partition coefficient	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	68 cSt @40°C

Section 10: Stability and Reactivity

Reactivity	<ul style="list-style-type: none"> No dangerous reaction known under conditions of normal use.
Chemical stability	<ul style="list-style-type: none"> Stable under normal temperatures and pressures.
Possibility of hazardous reaction	<ul style="list-style-type: none"> Not determined
Conditions to avoid	<ul style="list-style-type: none"> Not determined
Incompatible materials	<ul style="list-style-type: none"> Do not mix with strong oxidants.
Hazardous decomposition products.	<ul style="list-style-type: none"> None known under normal use.

Section 11: Toxicological Information

Information on the likely routes of exposure; symptoms; and acute, delayed and chronic effects

Inhalation	<ul style="list-style-type: none"> Overexposure to mists or vapors may irritate respiratory tract.
Ingestion	<ul style="list-style-type: none"> Ingestion of concentrate may cause gastrointestinal irritation.
Eye	<ul style="list-style-type: none"> Direct contact with concentrate may cause mild eye irritation based on component information.
Skin corrosion/irritation	<ul style="list-style-type: none"> Prolonged/repeated exposure to concentrate may cause mild skin irritation in some individuals.

Numerical measures of toxicity

Acute toxicity	Not Classified
Skin corrosion/irritation	Not Classified
Serious eye damage/irritation	Not Classified
Respiratory or skin sensitization	Not Classified
Germ cell mutagenicity	Not Classified
Carcinogenicity	Not Classified
Reproductive toxicity	Not Classified
STOT-single exposure	Not Classified
STOT-repeated exposure	Not Classified
Aspiration hazard	Not Classified

Carcinogenicity	<ul style="list-style-type: none"> Not listed in NTP, OSHA, or IARC monographs.
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Additional Information

- Practical experience has not demonstrated any adverse effects with normal use of this product.
- Contains petroleum oil, which if misted in excess at exposure limits may cause respiratory irritation, coughing, and extreme overexposure may cause oil pneumonitis.

Section 12: Ecological Information

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| Toxicity | ▪ Not determined. |
| Persistence and degradability | ▪ Not determined. |
| Bioaccumulative potential | ▪ Not determined. |
| Mobility in Soil | ▪ Not determined. |
| Other adverse effects | ▪ Oil spills are generally hazardous to the environment. |

Section 13: Disposal Considerations

Waste treatment methods

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| Product waste | <ul style="list-style-type: none"> ▪ Do not discard into any sewers, on the ground, or any body of water. ▪ Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. ▪ This product, as manufactured in its present state, is not considered to be a hazardous waste according to 40CFR 261.4(b)(4). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This product should be recycled if possible, otherwise it should be disposed of in accordance with all applicable federal, state, and local regulations. |
| Contaminated containers or packaging | <ul style="list-style-type: none"> ▪ Contaminated containers should be offered for professional cleaning before reuse. ▪ Dispose of spent container in accordance with local, regional, national, and/or international regulations. |

Section 14: Transport Information

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| UN Number | ▪ Not regulated for transport |
| UN Proper Shipping Name | ▪ Not applicable |
| Transport Hazard Class(es) | ▪ Not applicable |
| Packing Group | ▪ Not applicable |
| Environmental Hazards | ▪ Not determined |
| Transport in Bulk | ▪ Not regulated |
| Special Precautions for user | ▪ None specified |

Section 15: Regulatory Information

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

Global Chemical Inventories

USA	All components of this material are on the US TSCA Inventory or are exempt.
Other TSCA Reg.	Oil mist, mineral

Australia	Not determined.
Canada	Not determined.
China	Not determined.
EU	Not determined.
Japan	Not determined.
Korea	Not determined.
New Zealand	Not determined.
Switzerland	Not determined.

Other U.S. Federal Regulations

SARA Ext. Haz. Subst.

- This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.

SARA Section 313

- This product does not contain greater than 1.0% (> 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

SARA 311 Classifications

Acute Hazard	No
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

CERCLA Hazardous Substances

- None known

FDA Approval

- Not applicable

State Regulations

Cal. Prop. 65

- This product may contain chemicals known by the State of California to cause cancer and/or birth defects. However, we do not routinely analyze products for impurities which may be such chemicals.

Section 16: Other Information

HMIS Ratings

Health	1
Flammability	1
Reactivity	0
Personal Protection	B

NFPA Ratings

Health	1
Flammability	1
Reactivity	0

Acronyms/Abbreviations

- **NTP**- National Toxicology Program Report on Carcinogens (latest edition)
- **IARC**- International Agency for the Research on Cancer
- **TSCA**- Toxic Substance Control Agency

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