

SECTION IV: FIRST AID MEASURES

Description of first aid measures

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| 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 15 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

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| 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

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| 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. |
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SECTION V: FIREFIGHTING MEASURES

Extinguishing media

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| Suitable Extinguishing Media | ▪ Regular foam, carbon dioxide, dry chemical. |
| Unsuitable Extinguishing Media | ▪ Avoid the use of water jet, as this may spread the fire. |

Special hazards arising from the substance or mixture

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| Unusual Fire and Explosion Hazards | ▪ No unusual hazard noted. Treat as an oil fire. |
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Hazards

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| Hazardous Combustion Products | ▪ Smoke, soot, fumes or vapors, oxides of carbon and sulphur |
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Special Protective Equipment and Precautions for Firefighters

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| 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. |
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SECTION VI: ACCIDENTAL RELEASE MEASURES

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| 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

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| Containment/Clean-up Measures | ▪ Recover free liquid for recycle or disposal. Add absorbent to spill area.
LARGE SPILLS: Dike far ahead of liquid spill for later disposal. |
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SECTION VII: HANDLING AND STORAGE

Precautions for safe handling

Handling

- Do not mix with incompatible materials. Do not breathe oil mist.
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.

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 VIII: 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 applicable 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 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 XI: PHYSICAL AND CHEMICAL PROPERTIES

Information on physical and chemical properties

Appearance	Clear golden yellow or amber liquid
Odor	Petroleum
Odor Threshold	Not Determined
pH	None
Melting Point/Freezing Point	Not Determined
Boiling Point Range	Not determined
Flash Point	> 180°C (356°F) Cleveland Open Cup
Evaporation Rate	Negligible
Flammability Limits	Not determined
Vapor Pressure	< 0.1mm Hg @ 20°C (68°F)
Vapor Density (Air=1)	> 1.0
Specific Gravity/Density	0.89
Solubilities	Insoluble in water
Octanol/Water Partition coefficient	Not Determined
Auto ignition temperature	Not determined
Decomposition temperature	Not Determined
Viscosity	46 cSt @ 40°C

SECTION X: STABILITY AND REACTIVITY
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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 XI: TOXICOLOGICAL INFORMATION

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

- Inhalation**
 - Overexposure to mists or vapors may irritate respiratory tract. May be fatal if swallowed and enters airways.
- Ingestion**
 - Ingestion of concentrate may cause gastrointestinal irritation. Do not induce vomiting which may increase the risk of product aspiration.
- Eye**
 - Direct contact with concentrate may cause eye irritation based on component information.
- Skin corrosion/irritation**
 - 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

- Not listed in NTP, OSHA, or IARC monographs.

Additional Information

- Practical experience has not demonstrated any adverse effects with normal use dilutions 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 XII: ECOLOGICAL INFORMATION

Refer to the supplier for Ecological Information

SECTION XIII: DISPOSAL CONSIDERATIONS

Refer to the supplier for Disposal Considerations.

SECTION XIV: TRANSPORT INFORMATION

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 XV: REGULATORY INFORMATION

Refer to the supplier for Regulatory Information

SECTION XVI: OTHER INFORMATION

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