





## **MATERIAL SAFETY DATA SHEET**

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- First Aid for Eye:** Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If material is hot, treat for thermal burns and seek immediate medical attention.
- First Aid for Skin:** Remove contaminated clothing. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.
- First Aid for Inhalation:** This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions.
- First Aid for Ingestion:** May act as a laxative. Do not induce vomiting due to aspiration hazard. If vomiting should occur, lower head below knees to avoid aspiration. Seek immediate medical attention.
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### **Section 5. Fire Fighting Measures**

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- Flash Point (°F/°C):** 320°F (160°C) (ASTM D-92 (COC))
- Flammable Limit (vol%):** No data available
- Auto-ignition Temp. (vol%):** No data available
- Extinguisher Media:** Use dry chemical, foam, or carbon dioxide.
- Fire Fighting Instructions:** Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.
- Unusual Fire and Explosion Conditions:** Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.
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### **Section 6. Accidental Release Measures**

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- Spill or Release Procedures:** Notify appropriate authorities of spill. Contain spill immediately. Do not allow spill to enter sewers or watercourses. Absorb with appropriate inert material such as sand, clay, etc. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers.
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### **Section 7. Handling and Storage**

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- Handling:** Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash clothing prior to reuse. May be slippery when spilled.
- Storage:** Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open flame, or oxidizing materials.



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## Section 8. Exposure Controls / Personal Protective Equipment

This product does not contain any components with OSHA or ACGIH exposure limits. If oil mist is generated, exposure limits apply.

OSHA PEL: TWA 5mg/M<sup>3</sup>

ACGIH TLV: TWA 5mg/m<sup>3</sup>; STEL 10/mg/m<sup>3</sup>

### Personal Protective Equipment

**Eye/Face Protection:** Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

**Skin Protection:** No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, etc.) over parts of the body subject to exposure. If handling hot material, use insulated protective clothing (boots, gloves, aprons, etc.).

**Respiratory Protection:** Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified.

**Personal Hygiene:** Consumption of food and beverages should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking or smoking.

**Engineering Controls/Work Practices Ventilation:** If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits.

## Section 9. Physical and Chemical Properties

<b>Appearance @ 25°C:</b>	Transparent light orange liquid	<b>Decomposition Temperature:</b>	Not applicable
<b>Odor @ 25°C:</b>	Odorless	<b>Vapor Pressure:</b>	<0.1 mm Hg @ 68°F
<b>pH</b>	No data available	<b>Vapor Density:</b>	> 1 (air=1)
<b>Specific Gravity:</b>	0.83 @ 60/60°F	<b>Evaporation Rate:</b>	<1 (EE=1)
<b>Ignition:</b>	Not applicable		
<b>% Volatile</b>	40.00-42.00		
<b>Boiling Point</b>	500 - 800°F (260-427.7°C)		
<b>Solubility</b>	Negligible in water. Soluble in hydrocarbons.		

## Section 10. Stability and Reactivity

**Stability:** Stable



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**Hazardous Decomposition Products:**

Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

**Incompatibility (Materials to Avoid):**

May react with strong oxidizing agents.

**Hazardous Polymerization:**

Will not occur

**Conditions to Avoid:** High heat and open flames

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### **Section 11. Toxicological Information**

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**CARCINOGENICITY:**

The International Agency for Research on Cancer (IARC) has concluded that highly refined mineral oils are Group 3 substances, "Not Classifiable as to their carcinogenicity to humans, " based on inadequate human and inadequate animal evidence. IARC has also concluded that there is no evidence for the carcinogenicity to experimental animals of white oils when administered by routes other than by interaperitoneal injection.

This product is not carcinogenic according to the OSHA Hazard Communication Standard.

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### **Section 12. Ecological Information**

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**Ecotoxicological Information**

**Acute Toxicity to Fish:**

No data available

**Acute Toxicity to Invertebrates:**

No data available

**Acute Toxicity to Algae**

No data available

**Bioconcentration:**

No data available

**Toxicity to Sewage Bacteria:**

No data available

**Chemical Fate Information**

**Biodegradability:**

No data available

**Chemical Oxygen Demand:**

No data available



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### **Section 13. Disposable Considerations**

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Regulatory - All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. Refer to state and local regulations. Caution! If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled.

Waste Disposal Methods - Waste material may be land filled or incinerated at an approved facility. Materials should be recycled if possible.

### **Section 14. Transportation Information**

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#### **U.S. Department of Transportation (DOT)**

Highway / Rail (Bulk): Not Regulated

Highway / Rail (Non-Bulk): Not Regulated

#### **International Information**

Vessel (IMDG): Not Regulated

Air (ICAO): Not Regulated

### **Section 15. Regulatory Information**

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Regulatory information available upon request.

Inventories:

Australian (AICS): Listed

Canadian (DSL): Listed

Chinese: Listed

EC/EINECS: Listed

Japanese ENCS: Listed

Korean (KCL): Listed

Philippine (PICCS): Listed

U.S. (TSCA): Listed

### **Section 16. Other Information**

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No additional information available.