

MSDS

Material Safety Data Sheets

Emergency and first aid procedure:

- **Eye:** Flush immediately with cool, clean water for at least 15 minutes
- **Skin:** Wash with mild soap and warm water
- **Inhalation:** Move to fresh air
- **Ingestion:** If large quantities are ingested, contact a physician

In every case get medical attention as required

5. Fire-fighting Measures

- **Flash point (test method)** 111°F (44°C) (ASTM D93-08)
- **Flammable limits** Not determined
- **Extinguishing media** CO₂, dry chemical, foam, or water fog (do not use a direct stream of water)
- **Special firefighting Procedures** Wear self-contained breathing apparatus – NIOSH approved. Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure build-up, which could result in container rupture.
- **Unusual fire and explosion hazards** Caution: Flammable liquid

6. Accidental Release Measures

Steps to be taken if material is released or spilled: Mop up or use dry absorbent

7. Handling and Storage

Precautions to be taken in handling and storing: Keep away from heat, sparks, and flame. Keep the container tightly closed and stored in a cool place. Refer to container labels.

Other precautions: Static electricity may accumulate and create a fire hazard. Container should be grounded/bonded. No smoking or open flames.

8. Exposure Controls/Personal Protection

- **Respiratory protection (Specify type):** None
- **Ventilation:**

MSDS

Material Safety Data Sheets

- ✓ Local exhaust Mechanical (General) Special Not normally required General room ventilation should be sufficient If mechanical ventilation is required, use explosion-proof equipment
- ✓ Other: None

- **Protective gloves:** Solvent-resistant gloves
- **Other protective equipment:** Wear protective clothing as required to minimize skin contact
- **Eye protection** Safety glasses
- **Exposure limits** None established by ACGIH or OSHA for product as whole Refer to Section 2

9. Physical and Chemical Properties

- **Appearance:** Dark brown liquid
- **Odor:** Kerosene
- **pH of concentrate:** Not applicable
- **Boiling point (ASTM D86):** 302°F (150°C)
- **Freezing point:** <-36°F (<-38°C)
- **Solubility in water:** Insoluble
- **Specific gravity (H2O=1):** 0.840-0.841
- **V.O.C. Content (ASTM E1868-10):** 441.6 g/l
- **Evaporation rate (butyl acetate=1):** 0.024

10. Stability and Reactivity

- **Stability:** Stable (**Conditions to avoid:** None)
- **Incompatibility (materials to avoid)** Strong oxidizing agents, strong acids, and nitrites
- **Hazardous combustion or decomposition products:** Thermal decomposition (fire) may produce oxides of carbon, nitrogen, and sulfur
- **Hazardous polymerization:** Will not occur (**Conditions to avoid:** None)

11. Toxicological Information

Study	Test Animal	Results
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MSDS

Material Safety Data Sheets

Acute Inhalation Toxicity	Rat	Nontoxic LC ₅₀ > 209 mg/l
Acute Oral Toxicity	Rat	Nontoxic LC ₅₀ > 5 g/kg
Acute Dermal Toxicity	Rabbit	Nontoxic LC ₅₀ > 2 g/kg
Acute Skin Toxicity	Rabbit	Irritant PDI index=5.75
Acute Eye Toxicity	Rabbit	Nonirritant

12. Ecological Information

No data available

13. Disposal Considerations

- **Waste disposal method:** Must comply with local, state, and federal regulations. If pre-treatment is needed, chemical treatment or ultrafiltration may be used.

14. Transport Information

- **Department of Transportation: DOT Hazard Class:** Combustible liquid
DOT Proper Shipping Name: NA1993, Combustible liquid, n.o.s. (contains petroleum naphtha), Combustible liquid, PGIII (Not regulated in containers <119 gallons)
- **IATA/IMD:** UN1993, Flammable liquid, n.o.s. (contains petroleum naphtha), 3, PGIII.

15. Regulatory Information

OSHA HAZARD COMMUNICATION STANDARD: This material is not considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200. **Listed or exempt from listing/notification on the following chemical inventories:** AICS, DSL, ENCS, IECSC, KECI, PICCS, TSCA

EPCRA SECTION 302: This material contains no extremely hazardous substances.

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

SARA (313) TOXIC RELEASE INVENTORY: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

The following ingredients are cited on the lists below: None.

16. Disclaimer of Expressed and Implied Warranties

The information in this document is believed to be correct as of the date issued.

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