

MATERIAL SAFETY DATA SHEET

ANATRACE, INC.
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Chemical Emergency (24-hr):
- Within U.S. & Canada (800-424-9300)
- International (703-527-3887)

Effective Date: 04/18/2006 Revised:

NAME: MTSL
[(1-Oxyl-2,2,5,5-tetramethyl-D³-pyrroline-3-methyl)methanethiosulfonate]

CAT #: O110MT

MF: C₁₀H₁₈NO₃S₂ / **FW:** 264.30 **CAS NO:** [N/A]

HEALTH HAZARD DATA

The toxicological properties have not been thoroughly investigated. Exercise due care.
May be harmful by inhalation, ingestion, or skin absorption.

FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin: Rinse with copious amounts of water for 15 minutes. Remove contaminated clothing and shoes.

Ingestion: Rinse mouth out with water, provided the person is conscious. Seek medical attention.

Eyes: Flush eyes with copious amounts of water, separating eyelids with fingers.

FIRE-FIGHTING INFORMATION

Extinguishing Media: Water; carbon dioxide; dry powder.

Special Procedures: Use water spray to cool fire, exposed containers and structures.

Use water spray to disperse any vapors; reignition is always a potential. Use self-contained breathing apparatus as described above.

Unusual Hazards: Toxic fumes are emitted under fire conditions consisting of carbon monoxide, carbon dioxide, nitrogen oxides, and sulfur dioxide.

CONTROL MEASURES

Respiratory Protection: NIOSH/OSHA approved respirator

Protective Gloves: Chemical resistant gloves

Other Protective Clothing: Lab coat or apron

Ventilation: Hood

Eye Protection: Chemical safety goggles

Other Protection: Safety shower and eye bath.

HANDLING AND STORAGE

If released or spilled: Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in bag and hold for waste disposal. Avoid raising dust.

Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method: Dispose of in accordance with all federal, state and local environmental regulations.

Storage: Store in cool, dry and well-ventilated area. Keep all container securely closed when not in use.

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Solubility in Water: N/A

Appearance/Odor: Yellow to orange crystalline solid

Specific Gravity (H₂O=1): N/A

Melting Point: 102-104°C

Evaporation Rate (Butyl Acetate=1): N/A

REACTIVE DATA

Stability: Good in freezer at -20°C

Conditions to Avoid: Damp locations

Hazardous Decomposition or Byproducts: Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, sulfur dioxides.

Incompatibility (Materials to Avoid): Water, strong oxidizing agents, may discolor when exposed to light.

Hazardous Polymerization: Will not occur.

This bulletin is for your guidance and is based upon information and tests believed to be reliable. Anatrace makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages thereto. The date is offered solely for your consideration, investigation, and verification. These suggestions should not be confused with either state, municipal, or insurance requirements, or with national safety codes, and constitute no warranty. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State and local regulations.