

MATERIAL SAFETY DATA SHEET

HOLD FIRM

1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER/SUPPLIER: Chem and Lube
1901 South 12th Street
Allentown, PA 18103-4777

Emergency Spill Information: 1-800-255-3924 Chem-Tel (USA)
Other Product Information: 610-798-9222

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>TLV (UNIT)</u>
Petroleum Lubricating Oil Base Stock	64742-54-7	5 mg/m ³
Antimony dialkydithiocarbamate	64742-52-5	N/D
Molybdenum Disulfide	N/D	5 mg/m ³

3.0 HAZARDS IDENTIFICATION

Emergency Overview: Low order toxicity. Under ambient temperature conditions, inhalation toxicity is unlikely.

Potential Health Effects:

Eye Contact: Redness, irritation.

Skin Contact: Prolonged or repeated contact may cause skin irritation.

Inhalation: Only if heated, can cause headache, labored breathing.

Ingestion: Do not take internally. Headache, nausea, gastrointestinal irritation.

HMS Code: (Health: 1) (Flammability: 1) (Reactivity: 0)

NFPA: (Health: 1) (Flammability: 1) (Reactivity: 0)

4.0 FIRST AID MEASURES

Eye: Flush eyes with plenty of water. If irritation persists, seek medical attention.

Skin: Remove contaminated clothing. Wash exposed skin with soap and water.

Inhalation: Remove to fresh air. If breathing is labored, administer oxygen.

Ingestion: If swallowed, get immediate medical attention. Do not induce vomiting.

5.0 FIRE FIGHTING MEASURES

Flashpoint: 455° F **Method:** C.O. C.

UEL: Not determined **LEL:** Not determined

Flammability Classification: Not determined.

Extinguishing Media: Agents approved for Class B (e.g., dry chemical, carbon dioxide, foam).

Unusual Fire and Explosion Hazards: None identified.

Special Fire Fighting Procedures: Use water to cool heat-exposure containers.

6.0 ACCIDENTAL RELEASE MEASURES

Remove any source of ignition. Absorb with dry inert material, sand clay, etc., and shovel up for disposal.

7.0 HANDLING AND STORAGE

Handling: Observe safety precautions whenever handling.

Storage: Keep containers tightly closed when not in use. Do not store near heat, sparks, flame or oxidants.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye: None required; however, use of eye protection is good industrial practice.

Skin: Wear protective gloves if prolonged or repeated contact is likely.

Inhalation: Usually not required; however, in presence of heat, use respirator with organic vapor cartridge.

Ventilation: Local exhaust is usually sufficient. Mechanical exhaust, if possible.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

Appearance and Odor	: Gray-Black Tacky, petroleum odor
Evaporation Rate	: Not determined
Vapor Pressure	: Not determined (mm Hg)
Vapor Density	: Not determined (Air=1)
Boiling Point	: Not determined
Solubility	: Insoluble
Specific Gravity	: Not determined

10.0 STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Excessive heat.

Materials to Avoid: Avoid chlorine, fluorine, and other strong oxidizers.

Hazardous Decomposition Products: Carbon monoxide and other hydrocarbons.

Hazardous Polymerization: Will not occur.

11.0 DISPOSAL INFORMATION

Dispose of sealed containers at an approved hazardous waste disposal area in accordance with applicable federal, state, or local regulations.

Last Revision: 12/01/99

This material safety data sheet conforms to the requirements of ANSI Z400.1.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. It may not be valid for this material if used in combination with any other material or in any other process. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for his or her own particular use.