

Technical Data Report

MC-FREE

METHYLENE CHLORIDE FREE DRY FILM LUBRICANT



DESCRIPTION

MC-FREE is a methylene chloride free dry film lubricant offering superior, long-lasting performance. Molybdenum graphite anti-seize dry coating resists dust and abrasive particles. Withstands water, oil, alkalies and most acids. Forms a strong bond to metal—will not wipe off easily. May be used at higher temperatures—will not carbonize. Formula is more readily accepted by safety directors. May be used as a release agent.

APPLICATIONS

Excellent for use in foundries, machine shops, industrial plants, automotive manufacturers, steel mills, chemical plants, shipyards, oil fields, marine and mining operations and more. Apply to oil and ore drills, pipe threads, lathe bed and rails, engines, chains and sprockets, pump assemblies, road equipment, turbines and more.

FEATURES & BENEFITS

- Temperature Range -40°F to +662°F
- Adheres to Metal, Glass, Rubber and Most Plastics
- Resists Water Wash-out, Oils, Alkalies and Most Acids
- Non-Chlorinated
- Resists Pressures Up To 250,000 psi
- Non-Corrosive, Non-Conductive

SPECIFICATIONS

FORM: Solvent-Based Liquid
ODOR: Solvent
COLOR: Dark Gray
DETERGENCY: N/A
TOXICITY: 100 ppm OSHA PEL
WETTING ABILITY: None
STORAGE STABILITY: 1 Year +
COLD STABILITY: 0°F
PHOSPHATES: N/A

FLASH POINT: 2°F
BOILING POINT: 135°F
SOLUBILITY IN WATER: Partial
SPECIFIC GRAVITY: 0.83
% VOLATILE BY VOLUME: >90%
pH: N/A
VISCOSITY: Thin
EVAPORATION RATE: Fast
BIODEGRADABILITY: No

LABEL INFORMATION

MC-FREE METHYLENE CHLORIDE FREE DRY FILM LUBRICANT

- Will not run off part to which applied, requires less frequent lubrication
- Permits immediate use of chain or gear after application
- Withstands water, oils, alkalies and most acids
- Can be used at higher temperatures and will not carbonize
- Cleaner application
- Replaces graphite
- Will not wipe off easily—chemically attracted to metal
- Resists dust and abrasive particles

RECOMMENDED FOR: Foundries; machine shops; automotive plants; vehicle maintenance; sewing trades; paper and corrugated converting; chemical plants; marine, oil fields, and mining operations; etc.

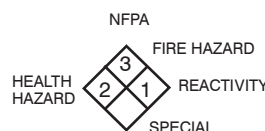
FOR USE ON: Oil drilling equipment, pipe threads, lathe bed and rails, chains and sprockets, road equipment, oil drilling equipment, door locks and hinges, etc. Also may be used as a release agent.

DIRECTIONS: Shake or mix container well before using. Clean surface thoroughly. Apply a thin, even film by spraying or brushing. Thick coats decrease efficiency. Dries in 1 to 3 minutes. Allow to cure 30 minutes before exposing to water.

DANGER: Highly Flammable liquid and vapor. Causes skin and serious eye irritation. May damage fertility or the unborn child. Keep away from heat, sparks, open flames, and hot surfaces. –No smoking. Keep container tightly closed. Wear protective protective gloves and eye protection. If on skin (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water or shower. If skin irritation occurs: Get medical advice or attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. In case of fire use dry chemical, foam, or carbon dioxide. Store in a well-ventilated place. Keep cool. Dispose of contents and container in accordance with local, state, and national regulations. Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice or attention. Store locked up. For large quantities: Ground or bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Contains (CAS#): Acetone (67-64-12), Isopropyl Alcohol (67-63-0), Toluene (108-88-3), Molybdenum Disulfide (1317-33-5), Dipropylene Glycol Methyl Ether (34590-94-8).

HEALTH	2
FLAMMABILITY	3
REACTIVITY	1
PERSONAL	B



PACKAGING INFORMATION

Available in 5 gallon pails and 55 gallon drums.