



MATERIAL SAFETY DATA SHEET (M.S.D.S.)

LOCK SAVER OIL

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SECTION 1 – MANUFACTURER INFORMATION

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SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

1. *No ingredients are considered hazardous under 40 CFR 372 and 49 CFR 172.101*
2. *Other ingredients include:*
3. *A mixture of synthetic oils (esters) & highly refined mineral oils. TLV: 5 mg/m³ oil mist*
4. *Calcium Sulfonate/Carboxylate Complex: mixture in highly refined mineral oil. TLV: 5 mg/m³ oil mist*
5. *Phosphate Ester: < 5 mg/m³*
6. *V.O.C.: 0 (Contains less than 0.1%)*

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

1. *Boiling Point: 640°F (337°C)*
2. *Specific Gravity (H₂O=1): 1.1*
3. *Solubility in Water: < 0.1%*
4. *Appearance and Odor: Pale Yellow, Sweet*
5. *Vapor Pressure (mm Hg): N/A*
6. *Vapor Density (Air =1): N/A*
7. *Reactivity in Water: None*
8. *Melting Point: N/A*

SECTION 4 - FIRE & EXPLOSION DATA

1. *Flash Point (COC): 475°F (246°C)*
2. *Flammable Limits in Air % by Volume: LEL Lower: N/A UEL Upper: N/A*
3. *Auto-Ignition Temperature: 475°F (246°C)*
4. *Extinguisher Media: Foam, CO₂, Dry Chemicals*
5. *Special Fire Fighting Procedures: Use Self Contained Breathing Apparatus.*
6. *Unusual Fire and Explosion Hazards: Inhalation of thermal decomposition products of fluorocarbons must be avoided for the same reasons that apply to all combustible materials.*

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

1. *Stability: Stable*
2. *Conditions to Avoid: Sustained temperatures over 600°F (315°C), strong acids and bases, oxidizing agents*
3. *Incompatibility: None known*
4. *Hazardous Decomposition Products: Thermal decomposition may produce CO, HF and/or phosphorus oxide.*
5. *Hazardous Polymerization: Will not occur*



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SECTION 6 - HEALTH HAZARDS

1. *Acute:* None known
2. *Chronic:* Prolonged exposure to skin and prolonged inhalation
3. *Signs & Symptoms of Exposure:* Eye or skin irritation
4. *Medical Conditions Generally Aggravated by Exposure:* None known but allergies possible
5. *Chemical Listed as Carcinogen or Potential Carcinogen:*
National Toxicology Program: None
I.A.R.C. Monographs: None
OSHA: None
6. *Emergency & First Aid Procedures:*
Skin Contact: Wash skin with detergent and water.
Eye Contact: Flush eyes with water for 15 minutes and call a doctor.
Ingestion: Do NOT induce vomiting, Drink plenty of water and call a doctor.
7. *Routes of Entry:*
Inhalation: Low to medium, remove to fresh air.
Eyes: Irritant, flush with water for 15 minutes and protect from splattering.
Skin: Irritant, wear gloves or wash thoroughly with detergent and water after exposure.
Ingestion: Low to medium, use good hygienic practice and do not ingest, wash hands before eating.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

1. *Precautions to be Taken in Handling and Storage:* Use caution to limit exposure to eyes and skin; do not breathe mist.
2. *Steps to be Taken in Case Material is Released or Spilled:* Contain spill and use an absorbent material to clean up contaminated area. Place in container and recover or incinerate as a fluorocarbon. Do not allow to flow into sewers or waterways.
3. *Waste Disposal Methods:* Obey local, state and federal regulations.
4. *Other Precautions:* Use of goggles, rubber gloves and protective clothing is suggested.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

1. *Respiratory Protection:* Protect from mist inhalation.
2. *Ventilation:* Local
3. *Mechanical Exhaust:* Recommended
4. *General Exhaust:* Recommended
5. *Protective Gloves:* Rubber recommended.
6. *Eye Protection:* Goggles advisable but not required.
7. *Other Protective Clothing or Equipment:* None necessary.
8. *Work/Hygienic Practice:* Wash skin after use, wash contaminated clothing.

Emergency Contact: Charley Furlong (Cell) 617-877-7968, or Mil-Comm office: 800-743-4518.