

Lock Saver[®]

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: LOCK SAVER[®]

Recommended use of the chemical and restrictions on use: Lubricant Protectant

Manufacturer: Mil-Comm Products Company, Inc.
2 Carlton Avenue
East Rutherford, NJ 07073
Phone: (201) 935-8561
Fax: (201) 935-6059
E-mail: info@mil-comm.com

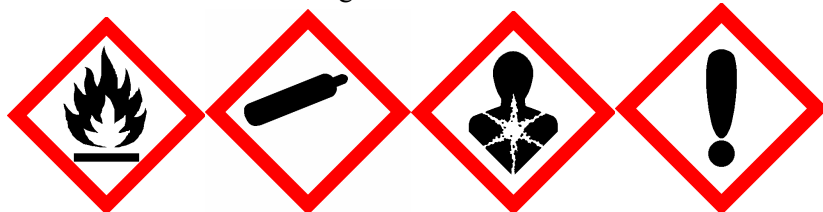
Emergency Phone: For Chemical Emergency
Spill, Leak, Fire, or Accident
Call **CHEMTREC** Day or Night
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)
Use MIL-COMM Customer ID: CCN715902

SDS Date of Preparation: 2016-05-06

2. HAZARDS IDENTIFICATION

GHS Classification: Flammable Aerosol Category 1, Aspiration Hazard Category 1, Skin Irritant Category 2, Specific Target Organ Toxicity – Single Exposure Category 3 (Narcotic Effects)

GHS Label Elements: Danger



Statements of Hazard

H229 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.

Response

P302+P352 IF ON SKIN: Wash with plenty of water.
P332+P313 If skin irritation occurs: Get medical attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

Precautionary Statements

P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized Container. Do not pierce or burn, even after use.
P261 Avoid breathing mist, aerosol or spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.

Storage/Disposal

P280 Wear protective gloves.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up. P501 Dispose of contents and container in accordance with local and national regulations.

P331 Do NOT induce vomiting.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or doctor if you feel unwell.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
2-methylpentane	107-83-5	50-70%
3-methylpentane	96-14-0	50-70%
2,2-dimethylbutane	75-83-2	50-70%
2,3-dimethylbutane	79-29-8	50-70%
Pentane	109-66-0	5-10%
Isobutane/Propane Propellant	75-28-5/74-98-6	15-40%

The exact concentration is withheld as a trade secret.

4. FIRST AID MEASURES

Eye: Flush eyes with plenty of water while holding the eyelids apart. Get medical attention if irritation develops or persists.

Skin: Wash skin with plenty of water for several minutes while removing contaminated clothing. Get medical attention if irritation develops. Wash clothing before re-use.

Ingestion: DO NOT induce vomiting. Get immediate medical attention.

Inhalation: Remove victim to fresh air and keep comfortable for breathing. If breathing is difficult or irritation persists, get medical attention.

Most Important Symptoms: May cause slight eye irritation. May cause skin irritation. Aspiration hazard. May be aspirated into the lungs during swallowing or vomiting and cause severe lung damage. Inhalation may cause respiratory irritation.

Indication of immediate medical attention/special treatment: Immediate medical attention required if ingested.

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use carbon dioxide, dry chemical, foam or water fog.

Specific Hazards Arising from the Chemical: Extremely flammable aerosol. Contents under pressure. Keep away from ignition source and open flames. Exposure of containers to heat and flames can cause them to rupture, often with violent force. When heated to decomposition, product may emit oxides of carbon.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers and structures with water.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Avoid breathing vapors, aerosol or mists. Avoid contact with eyes, skin and clothing. Eliminate all sources of ignition. Ventilate area with explosion proof equipment. Wear appropriate protective clothing and equipment.

Methods and Materials for Containment and Cleaning Up: Place leaking can in a pail in a well-ventilated area away from ignition sources until pressure has dissipated. Collect liquid using inert material and place into a suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with the eyes, skin and clothing. Wear appropriate protective clothing and equipment as described in section 8. Avoid breathing vapors, aerosol or mists. Wash thoroughly with soap and water after handling. Keep product away from heat, direct sunlight and all sources of electricity. Keep out of the reach of children. Do not puncture or incinerate containers. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. U.F.C. (NFPA 30B) Level 3 Aerosol.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

2-methylpentane (as Hexane, all isomers other than n-Hexane)	500 ppm TWA ACGIH TLV, 1000 ppm STEL
3-methylpentane (as Hexane, all isomers other than n-Hexane)	500 ppm TWA ACGIH TLV, 1000 ppm STEL
2,2-dimethylbutane (as Hexane, all isomers other than n-Hexane)	500 ppm TWA ACGIH TLV, 1000 ppm STEL
2,3-dimethylbutane (as Hexane, all isomers other than n-Hexane)	500 ppm TWA ACGIH TLV, 1000 ppm STEL
Pentane	1000 ppm TWA ACGIH TLV 1000 ppm TWA OSHA PEL
Isobutane	1000 ppm STEL ACGIH TLV
Propane	1000 ppm TWA OSHA PEL

Engineering Controls: Use with general or adequate local exhaust ventilation maintain exposure below occupational exposure limits.

Respiratory Protection: In operations where exposure levels are exceeded, an approved respirator with organic vapor cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin Protection: Wear impervious gloves to avoid skin contact.

Eye Protection: IF splashing is possible, splash-proof goggles are recommended to prevent eye contact.

Other: None required. Follow all facility requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Aerosol container containing off-white liquid with a vanilla odor.

Physical State: Liquid / Gas	Odor Threshold: Not determined
Vapor Density: 3.1	Initial Boiling Point/Range: 70 °C (158°F)
Solubility In Water: <0.1%	Vapor Pressure: Not determined
Relative Density: 0.674 - 1	Evaporation Rate: 8.2 (Buac=1)
Melting/Freezing Point: Not determined	pH: Not determined
VOC Content: >95%	Octanol/Water Coefficient: Not determined
Solubility: Negligible	Decomposition Temperature: Not determined
Viscosity: Not determined	Flammability (solid, gas): Not applicable
Flashpoint: -28 °C (-20°F)	Auto ignition Temperature: Not determined
Flammable Limits: LEL: 3% (Isobutane/Propane) UEL: 12.5% (Isobutane/Propane)	

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: Keep away from excessive heat, sparks and open flames. Containers may rupture at temperatures > 120°F (48.8°C). Do not puncture or incinerate containers.

Incompatible Materials: Avoid oxidizing agents, strong acids and strong bases.

Hazardous Decomposition Products: When heated to decomposition, product may emit oxides of carbon.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Eye: May cause slight eye irritation with redness and tearing.

Skin: May cause irritation.

Ingestion: May cause intestinal discomfort which may result in slight nausea and diarrhea. Aspiration hazard. May be aspirated into the lungs during swallowing or vomiting and cause severe lung damage.

Inhalation: May cause respiratory irritation.

Chronic: None known

Sensitization: This product is not classified as a skin sensitizer.

Carcinogenicity: None of the components present are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH or OSHA.

Germ Cell Mutagenicity: This product is not classified as a mutagen.

Reproductive Toxicity: This product is not classified as a reproductive hazard.

Numerical Measures of Toxicity:

2-methylpentane: No data available.

3-methylpentane: No data available.

2,2-dimethylbutane: No data available.

2,3-dimethylbutane: No data available.

Pentane: Oral rat LD50 > 2000 mg/kg, inhalation rat LC50: 26.4 mg/L/4 hr

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Pentane: Oncorhynchus mykiss LC50: 4.26 mg/L/96 hr

This product is toxic to aquatic life with long lasting effects. Avoid release to the environment.

Persistence and Degradability: Pentane: Readily biodegradable – 97% in 14 days.

Bioaccumulative Potential: Pentane: BCF - 171

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local and national environmental regulations.

14. TRANSPORT INFORMATION

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
DOT	UN1950	Aerosols	2.1	None	No
ADR/RID	UN1950	Aerosols	2.1	None	Yes
IMDG	UN1950	Aerosols	2.1	None	Marine Pollutant
IATA/ICAO	UN1950	Aerosols, flammable	2.1	None	No

Note: Inner packages with less than 5 liters of liquid/ 5 kg of solid are exempt from Marine Pollutant per IMDG Code 2.10.2.7 and ICAO Special Provision A197.

Special Precautions for User: Not applicable.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

15. REGULATORY INFORMATION

CERCLA 103 Reportable Quantity: This product contains < 0.1% of n-Hexane with an RQ of 5,000 lbs. Report spills required under federal, state and local regulations.

Hazard Category for Section 311/312: Acute Health, Fire Hazard, Pressure Hazard

Section 313 Toxic Chemicals: This product does not contain chemicals subject to SARA Title III Section 313 Reporting requirements.

Section 302 Extremely Hazardous Substances (TPQ): None

16. OTHER INFORMATION

NFPA Rating: Health = 2 Flammability = 4 Instability = 0
HMIS Rating: Health = 2* Flammability = 4 Physical Hazard = 0
* Chronic Health Hazard

Date of current revision: 2016-05-06

Revision History: Updated format and classification.

Date of previous revision: 4/5/16, 10/28/15

NOTICE

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. In preparing technical information, MIL-COMM relies on the consensus of opinion and representations made by industry, government agencies and vendor suppliers. It should not therefore be construed as guaranteeing any specific property of the product.