

MILITEC-1 MSDS

Material Safety Data Sheet

IDENTITY (As Used on Label and List) MILITEC-1®	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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Section I

Manufacturer's Name MILITEC INCORPORATED	Emergency Telephone Number (301) 893-3910	
Address (Number, Street, City, State, and Zip Code) 11828 Pika Drive Waldorf, MD 20602	Telephone Number for Information (301) 893-3910	Fax Number (301) 893-8354

U.S. National Stock Number's (NSN)

9150-01-415-9114 (Box of 12, 4.0 oz. Bottles); 9150-01-415-9111 (Box of 200, 1/4 oz. bottles); 9150-01-415-9112 (Box of 100, 1.0 oz. bottles); 9150-01-378-3058 (Box of 12, 8 oz. bottles); 9150-01-378-3118 (Box of 12, 16 oz. bottles);

Date Revised November 5, 2003	Signature of Preparer (optional)
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Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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The materials in this product are not known to be carcinogenic or contain greater than 0.1 % carcinogenic compounds which would require reporting under the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA inventory status: All components registered.

U.S. OSHA Hazard Communication Standard: Product assessed in accordance with OSHA CFR 1910.1200 and determined not to be hazardous.

Section III Physical/Chemical Characteristics

Boiling Point (°C & °F) 275°C 528°F	Fire Point COC (D92) 455°F	Pour Point (D97) -45°F
Specific Gravity (H ₂ O=1)/25°C 1.142	Kinematic Viscosity (D445) 100°F, CST 43.41 210°F, CST 5.80	Neutralization Number by Potentiometric Titration (D664) Total Acid Number 0.25
Evaporation Rate (Butyl Acetate=1) Negligible Loss @ 70°F	Melting Point ASTM D97 Pour Point -45°F	Autoignition Temp (D2155) 715°F
Cloud Point (D2500)	Solubility In Water	Vapor Density (AIR=1)

-25°F	<1%	No Vapor Generated at 70°F
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Appearance and Odor
 Color (D1500) 2.5 clear amber color. Mild odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Cleveland Open Cup (D92) 410°F	NA	NA	NA

Extinguishing Media
 Carbon Dioxide, Foam, Dry Chemicals, Water Fog

Special Fire Fighting Procedures
 Use Standard Precautions for Oil Fire

Unusual Fire and Explosion Hazards
 None

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
			None Known
	Stable	X	

Incompatibility (Materials to Avoid)
 Strong Oxidizing Reducing Agents

Hazardous Decomposition or Byproducts
 When burning, may form carbon monoxide (Typical of organic lubricants) and hydrogen chloride

Hazardous Polymerization	May Occur		Conditions to Avoid
			None Known
	Will not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry Inhalation? Primary Skin? Unlikely Ingestion? Unlikely

Absorption: Contact is not likely to result in absorption of harmful amounts.

Health Hazards (Acute and Chronic)
 Typical of that for Hydrocarbon lubricants. Inhalation: Permissible exposure limit 5 mg/m³ (Oil Mist)
 Eyes: Can cause some transient irritation and burning sensation.

Carcinogenicity: NTP? Not listed IARC Monographs? Not listed OSHA Regulated? No

Materials in this product not known to be carcinogenic/no ingredient citations.

Signs and Symptoms of Exposure

Inhalation: Mist can cause some transient irritation to upper respiratory tract.

Eyes: Can cause some transient irritation and burning sensation; Irritation (Redness).

Medical Conditions Generally Aggravated by Exposure

Skin Contact: Prolonged and repeated immersion can cause some transient irritation, burning sensation, defatting and dermatitis in some people.

Emergency and First Aid Procedures

Eyes: Wash eyes immediately for 15 min., Consult physician if irritation persists.

Skin: Wash with water after contact. If irritation persists, consult a physician.

HMIS

Hazardous Materials Identification System			
Health: 1	Flammability: 0	Reactivity: 0	PPE: B

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Contain Liquids and control discharges to streams or sewer systems under conditions acceptable to appropriate local, state, and federal regulatory agencies. Apply absorbent material (i.e., sawdust) and sweep up and place waste in a suitable and properly labeled container for disposal.

Waste Disposal Method

Disposal must meet all federal, state, and local regulations. Dispose in accordance to regulations appropriate for waste oil. For any questions, contact the specific regulatory agency.

Precautions to be taken in handling and storing

Typical for other Hydrocarbon lubricants, keep away from open flame. Keep out of reach of children. Keep container closed when not in use. Store in original container.

Other Precautions

Keep off foodstuffs, avoid eye contact. Avoid repeated and/or prolonged skin contact. Wash thoroughly after handling. Avoid breathing oil mist.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

None under normal conditions. In emergencies or upsets use NIOSH approved mist respirator. Revise engineering controls to assure adequate ventilation.

Ventilation	Local Exhaust None required in ventilated areas	Special Same
	Mechanical (General) None required in ventilated areas	Other Same

Protective Gloves Rubber gloves, if desired	Eye Protection Safety Glasses
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Other Protective Clothing or Equipment

No special equipment required. However, good personal hygiene practices should always be followed.

Work Hygienic Practices

Avoid Eye contact and prolonged skin contact. Avoid breathing oil mist, wash thoroughly after handling.
