



Material Safety Data Sheet

Product Name: **W&H SERVICE OIL F1 MD400 REF 10940011 (#081250)**

Date: November 12, 2007

Replaces: January 10, 2007

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Section 1 – Company Identification

Klüber Lubrication North America L.P.
32 Industrial Dr.
Londonderry, NH 03053
Phone: (603)647-4104

Emergency Phone
United States (800)424-9300 (ChemTrec)
International (703)527-3887

Section 2 – Composition Information

Butanes (propellant)
Propane (propellant)
Synthetic hydrocarbon oil
Ester oil

Section 3 – Health Effects

Eyes: The propellant may cause frostbite. The lubricant may cause irritation upon contact.

Skin: The propellant may cause frostbite. The lubricant may cause irritation upon repeated contact.

Inhalation: The propellant may cause drowsiness, dizziness, confusion, excitation, narcosis and asphyxia. The lubricant may cause irritation to the respiratory tract.

Ingestion: The propellant may cause frostbite. The lubricant may cause irritation to the respiratory tract and may cause diarrhea.

Target Organs: Propellant – Central nervous system.

Section 4 – First Aid Measures

Eyes: Flush eyes with clean water for 20 minutes. Seek medical attention if irritation persists.

Skin: Wash with soap and water. Seek medical attention if irritation or rash persists.

Inhalation: Remove victim to fresh air. If respiratory problems continue, seek medical attention.

Ingestion: If large amounts are swallowed, do not induce vomiting. Seek medical attention.

Advice to Physician: Treat systematically.

Section 5 – Exposure Controls

Eye Protection: Safety goggles or safety glasses with side shields. Consult your company's policy regarding eye protection.

Hand Protection: Chemical resistant gloves for hypersensitive persons. Consult your company's policy regarding hand protection.

Body Protection: Clean overalls. Consult your company's policy regarding personal protective clothing.

Respiratory Protection: Use product in well ventilated areas. If PEL is met or exceeded, use an appropriate NIOSH approved respirator. If misting / vapors occur due to high heat or fire, use self contained breathing apparatus that has a full face piece and is operated in a pressure-demand or other positive-demand mode. Consult your company's respiratory protection policy.



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	TLV	PEL
Butanes	1000 ppm	None
Propane	1000 ppm	1000 ppm

Other Protective Measures: Emergency eyewash / shower equipment should be readily available.

Section 6 – Fire Fighting Measures

	<u>Butanes</u>	<u>Propane</u>
Flash Point:	< - 50° C	- 104° C
Lower Explosion Limit:	1.8%	2.1%
Upper Explosion Limit:	8.4%	9.5%
Auto Ignition Temperature:	> 315° C	450° C

Extinguishing Media: Water mist, foam, dry chemical or carbon dioxide. Do not use water jet as this may spread fire and contamination. Product may float and re-ignite.

Unusual Fire and Explosion Hazards: Aerosol containers may rupture when heated. Do not spray near sparks, heat or open flames. Butane and propane vapors are heavier than air and will accumulate in low lying areas. If a leak or spill has not ignited, use a water mist to disperse any vapors from ignition source.

Respiratory Protection: Self contained breathing apparatus.

Section 7 – Accidental Release

If product leaks or is inadvertently spilled, eliminate ignition sources and prevent spill from entering drains and waterways. Absorb spilled product with absorbent and place in a container for proper disposal. Allow leaking cans to depressurize before disposal.

Section 8 – Handling and Storage

Handling: Flammable. Keep away from heat, flames and sparks. Protect against electrostatic discharge. This product should be handled only by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals. Use product in well ventilated areas. Care should be taken to prevent any chemical from coming into contact with the skin or eyes and from contaminating personal clothing. Wash hands with soap and water before eating, drinking or smoking.

Storage: Keep container tightly closed in a cool, well ventilated place. Keep away from foodstuffs. Keep away from elevated temperatures. Do not store above 120° F. Keep away from children.

Section 9 – Physical and Chemical Properties

Appearance: Light yellow aerosol.

Boiling Point: > 60° C.

Vapor Pressure (mm Hg): Not determined.

Density: ~ 0.7 g/cm³ @ 20° C.

Solubility in Water: Insoluble.



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Section 10 – Stability and Reactivity

Stability: Stable under ambient conditions.

Conditions to Avoid: Open flames and heat sources. Do not store above 120° F.

Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Burning generates smoke, carbon monoxide, carbon dioxide, and airborne soot.

Hazardous Polymerization: Will not occur.

Section 11 – Toxicological Information

Acute Toxicity: Not determined.

Chronic Toxicity: Not determined.

Sensitization: Not known to be a sensitizer.

IARC: 2,6-Di-t-butyl-4-methylphenol (< 0.05%) – Overall evaluation is 3 (not classifiable as to carcinogenicity in humans).

Section 12 – Disposal Considerations

Under RCRA, it is the responsibility of the user, at the time of disposal, to determine whether the product meets the RCRA criteria for hazardous waste. The propellant in this product is a RCRA hazardous waste, D001.

Section 13 – Transportation

DOT: UN1950
Aerosols, flammable, n.o.s.
2.1

Section 14 – Regulatory Information

TSCA Section 8(b) Inventory Status: All components are either exempt or listed on the TSCA inventory.

TSCA Section 12(b) Export Notification: This product does not contain any component(s) that are subject to Section 12(b) Export Notification.

SARA Section 302 Extremely Hazardous Substance (EHS): This product does not contain any component(s) regulated under Section 302 (40 CFR 355) as Extremely Hazardous Substances.

SARA Section 304 CERCLA Hazardous Substance: This product does not contain any component(s) regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification.

SARA Section 313 Toxic Chemical List: Diphenylamine (< 0.0005%).

WHMIS: B1.

RoHS: Compliant.



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Section 15 – Additional Information

HMIS Rating

Health: 1

Flammability: 4

Reactivity: 0

Personal Protection: X