

MATERIAL SAFETY DATA SHEET

Section 1 – Product & Company Identification

Product Name.....: Spray Lube

Company Name.....: Ridge Tool Company
Address: 400 Clark Street
: Elyria, Ohio 44035-6001
Telephone: 1-800-519-3456 (USA) (8:00 am – 5:00 pm EST, M-F)
Emergency Telephone: call 9-1-1 or local emergency number
Website: www.RIDGID.com

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Section 2 – Hazards Identification

EMERGENCY OVERVIEW:

Inhalation is the most likely method of exposure. Minimal effects are expected at levels below the TLV of components. Dizziness, drowsiness, coughing, nasal, or throat irritations may occur at higher levels. LPG (propellant) may act as a simple asphyxiant without other significant physiological effects if the oxygen content is low. It is reported that overexposures can cause liver abnormalities, kidney, lung, and spleen damage in animals.

POTENTIAL HEALTH EFFECTS AND SYMPTOMS FROM SHORT TERM / ACUTE EXPOSURE:

- **Eye:**
Short term exposure may result in eye irritation.
- **Skin:**
Short term exposure may result in eye irritation. Long term exposure may result in irritation or skin disorders.
- **Inhalation:**
Short term exposure may result in respiratory irritation. Long term exposure may result in lung damage.
- **Ingestion:**
Short term exposure may result in diarrhea or difficulty breathing.
- **Potential Chronic Health Effects:**
Skin disorders, lung damage.

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- Medical Conditions Aggravated By Exposure:
None known.

POTENTIAL ENVIRONMENTAL EFFECTS

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

HMIS Rating: Health – 1 Flammability – 4 Reactivity – 0

Section 3 – Composition / Information On Ingredients

<u>Component:</u>	<u>CAS #</u>	<u>EC #</u>	<u>% By Weight</u>
Heptane	142-82-5	205-563-8	40-45
Mineral Oil	64742-52-5	265-155-0	30-35
Propane	74-98-6	200-827-9	15-20
Zinc Oxide	1314-13-2	215-222-5	0-5
Inedible Animal Grease	68153-81-1	268-896-8	0-2
Stearic Acid	68440-15-3	270-438-7	0-1
Lithium Hydroxide Monohydrate	1310-66-3	---	0-1
Diphenylamine	122-39-4	204-539-4	0-1
Butyl zimate	136-23-2	205-232-8	0-1

Section 4 – First Aid Measures

SKIN CONTACT:

Remove any contaminated clothing and wash contact areas with soap and water.

INHALATION:

Remove to fresh air. If breathing has stopped, administer artificial respiration and seek medical help immediately.

EYE CONTACT:

Flush thoroughly with water for 15 minutes. If irritation persists, get medical assistance.

INGESTION:

If ingested, call a physician immediately. Do not induce vomiting.

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Section 5 – Fire Fighting Measures

FIRE AND EXPLOSIVE PROPERTIES AND HAZARDS:

Flashpoint.....: < 0°F Cleveland Open Cup

Flammability Limits.....: LEL - 0.9% by volume
UEL - 9.5% by volume

Autoignition Temperature...: Not determined

Fire hazard at elevated temperatures. Do not spray near open flame. At temperatures above 130°F, aerosol containers may vent, burst, or rupture.

EXTINGUISH MEDIA:

Use foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

HAZARDOUS COMBUSTION PRODUCTS:

Combustion by-products include oxides of carbon

FIRE-FIGHTING PROCEDURES AND EQUIPMENT:

Keep containers cool. Use air-supplied breathing equipment for enclosed or confined spaces. Use shielding to protect personnel against bursting containers.

Section 6 – Accidental Release Measures

PERSONAL PRECAUTIONS:

Remove sources of ignition and ventilate area. Allow vapors to be below their TLV. Use personal protection recommended in Section 8.

ENVIRONMENTAL:

Keep product from entering sewers or water courses.

CONTAINMENT:

Use oil absorbent and clean area.

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Section 7 – Handling And Storage

HANDLING:

As with any industrial chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult Section 8 of this MSDS to evaluate personal protective equipment needs. Follow all other standard industrial hygiene practices. Wash thoroughly after handling. Prevent small spills and leakage to avoid slip hazard.

STORAGE:

Store in a cool, dry area out of direct sunlight. Do not puncture, incinerate, or heat containers above 130°F.

Section 8 – Exposure Controls / Personal Protection

EXPOSURE GUIDELINES:

Oil Mist in Air	UK OES TWA:	5 mg / m ³
	UK OES STEL:	10 mg / m ³
Heptane	OSHA PEL:	1600 mg / m ³
	ACGIH TLV:	1600 mg / m ³
Propane	OSHA PEL:	1000 mg / m ³
	ACGIH TLV:	1000 mg / m ³

ENGINEERING CONTROLS:

Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. Employees should be properly trained to use appropriate PPE when working with this product.

- **Eye Protection:**
Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
- **Skin Protection:**
Wear appropriate chemical resistant clothing and gloves.

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- **Respiratory Protection:**
If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate.

Section 9 – Physical And Chemical Properties

Physical Appearance	White Aerosol
Odor	Solvent
Physical State	Aerosol
Water Solubility	Negligible
Flash Point [Method]:	< 0°F Cleveland Open Cup
Flammable Limits (Approximate volume % in air)	LEL: 0.9 UEL: 9.5
Autoignition Temperature	Not available
Vapor Density (Air = 1)	> 1
Vapor Pressure:	115 psig at 130°F
Specific Gravity (Water = 1):	0.94
Evaporation Rate (n-butyl acetate = 1)	> 1

Section 10 – Stability And Reactivity

STABILITY:

This product is stable under normal conditions.

CONDITIONS TO AVOID:

Avoid spraying into open flame or onto red hot surfaces.

INCOMPATIBLE MATERIALS:

This product is incompatible with strong oxidizers.

DECOMPOSITION PRODUCTS MAY INCLUDE:

Thermal decomposition products of combustion: oxides of carbon.

HAZARDOUS POLYMERIZATION:

This product is not expected to polymerize.

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Section 11 – Toxicological Information

ACUTE:

Component	Data
Heptane	No data available
Mineral Oil	Low order of dermal and oral toxicity
Propane	No data available
Zinc Oxide	No data available
Inedible Animal Grease	No data available
Stearic Acid	Toxicity (Oral Rat): LD50 > 10,000 mg/kg
Lithium Hydroxide Monohydrate	Toxicity (Oral Rat): LD50 210 mg/kg
Diphenylamine	Toxicity (Oral Rat): LD50 3200 mg/kg
Butyl zimate	Toxicity (Oral Rat): LD50 > 16,000 mg/kg

Section 12 – Ecological Information

Not available

Section 13 – Disposal Consideration

WASTE DISPOSAL:

Ensure that collection, transport, treatment and disposal of waste product and containers complies with all applicable laws and regulations. Note that use, mixture, processing or contamination of the product may cause the material to be classified as a hazardous waste. It is the responsibility of the product user or owner to determine at the time of disposal whether the product is regulated as a hazardous waste.

Section 14 – Transportation Information

LAND (ADR): No classification assigned.

LAND (RID): No classification assigned.

SEA (IMDG) : UN 1950, AEROSOLS (Ltd. Qty.), Class 2.1, EmS No. F-D, S-U, ERG No. 126

AIR (ICAO) : ID 8000, CONSUMER COMMODITY, Class 9, Packing Instructions – 910

AIR (IATA) : ID 8000, CONSUMER COMMODITY, Class 9, Packing Instructions – 910

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Section 15 – Regulatory Information

EUROPEAN REGULATIONS:

EC CLASSIFICATION (CALCULATED): N

Risk Phrases: R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SARA (313) TOXIC RELEASE INVENTORY: Zinc Compounds < 4%

CANADA

WHMIS Classification: Not controlled under WHMIS

Section 16 – Other Information

Prepared by: Ridge Tool Company

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