



MATERIAL SAFETY DATA SHEET

WL-13

April 2008

1. PRODUCT IDENTIFICATION

WL-13: Valve lubricant

Manufactured by:
Swagelok Manufacturing Company
29495 FA Lennon Dr.
Solon OH 44143
Tel: (440) 349-5600

Emergency Contact:
Chemtrec (800) 424-9300

2. INGREDIENTS

Ingredients	CAS #	WT%	PEL
Synthetic Hydrocarbon	Not Applicable	90-100	Not Available
Molybdenum Disulfide	1317-33-5	5-10	15 mg/m ³ dust

3. HEALTH HAZARD INFORMATION

- European Community Danger Group:..... None
- Special Hazards for man or environment: None
- LD₅₀/LC₅₀ Not Available

Routes of Entry

Skin Contact	Skin Absorption	Eye Contact	Inhalation	Ingestion
No	No	Yes	No	Yes

4. FIRST AID MEASURES

- If inhaled (Overexposure): Unlikely to be inhaled. If person is affected by fumes of thermal decomposition, remove person to fresh air. Seek medical attention.
- After contact with skin (Overexposure): Wash thoroughly with soap and water. If severe irritation develops, seek medical attention.
- After contact with eyes: Rinse thoroughly with water for 15 minutes, seek medical attention. Do not rub eyes.
- If swallowed: Seek medical attention.
- Medical information: None.

5. FIRE FIGHTING MEASURES

- Suitable extinguishing agents: Carbon dioxide, foam, water, agent suitable for environment.
- Not suitable for safety reasons: None known.



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- Special dangers caused by substance preparation itself, by combustion products or gases formed: May produce toxic gaseous fluorine compounds, carbon dioxide, and sulfur oxides above 554°F/290°C.
- Additional information: None.

Autoignition	UEL	LEL	Sensitivities
Not Available	Not Available	Not Available	Not Available

6. ACCIDENTAL RELEASE MEASURES

- Measures for protection of people: Eye and hand protection as needed to minimize excessive exposure.
- Measures for protection of the environment: None required.
- Cleaning measures: Use absorbent material and suitable cleaner.
- Additional information: None.

7. HANDLING AND STORAGE

- Safety information: None.
- Information on protection from fire or explosion: May decompose when heated above 554°F/290°C.
- Additional information: Store in a cool, dry place for optimal product performance.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Precautionary measures to protect employees: None required.
- Respiratory protection: None required.
- Hand protection: Rubber gloves are recommended to minimize exposure.
- Eye protection: Safety glasses or goggles are recommended to minimize exposure.
- Skin protection: Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Dark Gray Paste	Odor Petroleum	pH Not Applicable	Density 0.9 gm/cm ³	Vapor Pressure 1 mm Hg @ 20°C
Boiling Point Not Available	Melting Point Not Available	Flash Point Not Available	Flammability Not Available	Explosive Not Applicable



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10. STABILITY AND REACTIVITY

- Conditions to avoid: At temperatures above 554°F/290°C, hazardous fumes may be generated.
- Materials to avoid: Strong oxidizers, hydrogen peroxide, and potassium nitrate.
- Hazardous decomposition products: See Section 5.

11. TOXICOLOGICAL INFORMATION

- Acute toxic properties: None known.
- Health effects: See Section 5.
- Additional health effects: None.

Sensitization	Teratogenicity	Reproductive Toxicity	Mutagenicity	Synergistic Products	Carcinogenicity
Not Available	Not Available	Not Available	Not Available	Not Available	Listed ingredients are not suspected carcinogens according to NTP, IARC, and OSHA

12. ECOLOGICAL INFORMATION

- Mobility: Paste-like viscosity.
- Degradability: Not established.
- Accumulation: No known adverse bioaccumulation or biomagnification effects.
- Short/Long term effects on ecotoxicity: No known ecological effects.

13. DISPOSAL CONSIDERATIONS

- Appropriate methods of disposal: Unused product not considered a hazardous waste in the United States. Dispose of in a responsible manner.
- European Community (EC) considerations: Use appropriate waste codes based on ingredients.

14. TRANSPORT INFORMATION

- Transport precautions: Consult applicable regulations when transporting this product.
- Additional information: None.



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15. REGULATORY INFORMATION

- EC regulations: This product has been classified under CHIP-96 guidelines based on chemical content.
- US/Canadian regulation listings: SARA 313 - NO, TSCA - YES, Canada's Controlled Products - NO
- EC Relevant risk: None.
- EC Relevant safety: S: 37/39 - Wear suitable gloves and eye/face protection.
S:20 - When using do not eat or drink.
- Additional information: Consult country codes for specific requirements.

16. OTHER INFORMATION

- Further information contact: Your Swagelok Distributor or the contacts listed in Section 1 of this sheet.
- Sources of information used to compile document: Properties of individual ingredients were used to compile this document. This Material Safety Data Sheet was designed to give the distributors and users of WL-13 information to handle and use the product in a responsible manner.

Preparation Data

Swagelok Environmental and Safety Department (440) 248-4600