



MATERIAL SAFETY DATA SHEET

MS-TP-LUBE

July 2007

1. PRODUCT IDENTIFICATION

MS-TP-LUBE : Thermoplastic Hose Swaging Lubricant

Distributed by:
Swagelok Company
29495 FA Lennon Dr.
Solon, Ohio USA 44139
Tel: (440) 349-5600

Emergency Contact:
Chemtrec (800) 424-9300

2. INGREDIENTS

Table with 4 columns: Ingredients, CAS #, WT%, PEL. Rows include Nonionic Surfactant, Chlorinated Paraffin, Methacrylate Polymer, Fatty Oil, and Petroleum Sulfonate.

3. HEALTH HAZARD INFORMATION

- European Community Danger Group:..... Xi - Irritant
Special Hazards for man or environment: ..... R 36/38 - Irritating to eyes and skin
LD50..... Not Available
LC50..... Not Available

Routes of Entry

Table with 5 columns: Skin Contact, Skin Absorption, Eye Contact, Inhalation, Ingestion. Values are Yes/No for each category.

4. FIRST AID MEASURES

- If inhaled (Overexposure): If person is affected by fumes due to decomposition or excessive heat, 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.



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MS-TP-LUBE

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5. FIRE FIGHTING MEASURES

- Suitable extinguishing agents: Carbon dioxide, foam, or dry chemical agent suitable for environment.
- Not suitable for safety reasons: Water not effective.
- Special dangers caused by substance preparation itself, by combustion products or gases formed: May produce oxides of carbon and chlorine gases when heated above 350°F/177°C. Combustion can produce acid gases (hydrogen chloride) and sulfur compounds.
- Additional information: Treat as an oil fire. Self-Contained Breathing Apparatus recommended.

Auto Ignition	UEL	LEL	Sensitivities
Not Applicable	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: Barriers to keep out of sewers or waterways.
- 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 350°F/177°C.
- Additional information: Store in a cool and 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: Wear eye protection as necessary to minimize exposure.
- Skin protection: Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b> Viscous, Brown Liquid	<b>Odor</b> Neutral	<b>pH</b> Not Applicable	<b>Density</b> 1.28 gm/cm <sup>3</sup>	<b>Vapor Pressure</b> Not Available
<b>Boiling Point</b> Not Available	<b>Melting Point</b> Not Available	<b>Flash Point</b> >350°F	<b>Flammability</b> Not Available	<b>Explosive</b> Not Applicable



## MATERIAL SAFETY DATA SHEET

*MS-TP-LUBE*

July 2007

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### 10. STABILITY AND REACTIVITY

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- Conditions to avoid: At temperatures above 350°F/177°C, hazardous fumes such as hydrogen chloride may be generated.
- Materials to avoid: Strong oxidizers.
- Hazardous decomposition products: See Section 5.

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### 11. TOXICOLOGICAL INFORMATION

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- Acute toxic properties: None.
- Health effects: See Sections 4 and 5.
- Additional health effects: None.

Sensitization	Teratogenicity	Reproductive Toxicity	Mutagenicity	Synergistic Products	Carcinogenicity
Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

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### 12. ECOLOGICAL INFORMATION

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- Mobility: Thick oil-like viscosity.
- Degradability: Not established.
- Accumulation: No known adverse bioaccumulation or biomagnification effects.
- Short/Long term effects on ecotoxicity: No known ecological effects. Keep out of sewers and waterways.

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### 13. DISPOSAL CONSIDERATIONS

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- 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: Consult applicable regulations when disposing of this material.

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### 14. TRANSPORT INFORMATION

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

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### 15. REGULATORY INFORMATION

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- 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: Xi - Irritant danger group, R: 36/38.
- 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.



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*MS-TP-LUBE*

July 2007

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**16. OTHER INFORMATION**

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- 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 MS-TP-Lube information to handle and use the product in a responsible manner.

<b>Preparation Data</b>		
Environmental & Safety Department	(440) 349-5955	July 2007