

ORDER NO: 05344559

BATCH NO: 00025908

SUB BATCH NO: 0006

CURTIS INDUSTRIES  
MATERIAL SAFETY DATA SHEET

#81

Pen-O-Plate Wire Rope/Open Gear Lube  
Part #75126

Aerosol Systems, Inc.  
9150 Valley View Road  
Macedonia, OH 44056  
(216) 467-4195

\*\*\*\*\* HMIS RATINGS \*\*\*\*\*  
Health: 2 Flammability: 4 Reactivity: 0 Pers. Prot. Index:

\*\*\*\*\* NFPA RATINGS \*\*\*\*\*  
Health: 2 Fire: 4 Reactivity: 0 Specific Hazard:

\*\*\*\*\* SECTION I PRODUCT IDENTITY \*\*\*\*\*

Product/Trade Name(s): 83275, 83275-1, Pen-O-Plate Wire Rope/Open Gear Lube,  
Penetrating Lube TM 3198  
Part Number: 75126  
MSDS Date: 1994:07:29  
CAS #: N/A  
Category: N/A  
Distributor: N/A  
Chemical Name: N/A  
Formula: N/A  
Brief Description: N/A

\*\*\*\*\* SECTION II HAZARDOUS INGREDIENTS & EXPOSURE LIMITS \*\*\*\*\*

CHEMICAL NAME	LIMIT VALUES	CAS #	%
BITUMEN		8052-42-4	10.00
		N/A	
HEXANE	PEL 500 ppm PEL 1,800 mg/m3	110-54-3	30.00
NAPHTHENIC OIL		64742-75-2	40.00
		N/A	
NON-HAZARDOUS			10.00
		N/A	
PARAFFINIC DISTILLATES		64742-65-0	20.00
		N/A	

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HEXANE HYDROCARBON MIXTURE 64741-56-6 20.00  
N/A  
PROPANE/ISOBUTANE/N-BUTANE 74-98-6 10.00  
PEL 1,000 ppm  
PEL 1,800 mg/m3

\*\*\*\*\* SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS \*\*\*\*\*

Boiling Point: Range: 1.75% to Unknown  
Vapor Pressure (mm Hg.): PSIG @ 70F: 35  
Vapor Density (AIR = 1): Heavier than air: 4.0  
Solubility in Water: Nil  
% Volatile / Volume: No Data  
Appearance and Odor: Brown/Solvent  
pH: No Data  
Specific Gravity (H2O = 1): 0.8  
Miscellaneous Information  
Melting Point: ph liquid: NA. Evaporation Rate (Butyl Acetate=1): <1.

\*\*\*\*\* SECTION IV FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*

Flash Point: -123F TCC  
Flammable Limits: ND  
Lower Explosive Limit (LEL): No Data  
Upper Explosive Limit (UEL): No Data  
Extinguishing Media  
Use water fog, dry chemical or carbon dioxide.  
Special Fire Fighting Procedures  
Aerosol cans may rupture when heated.  
Unusual Fire and Explosion Hazards  
Heated cans may burst. NFPA 30B Rating: 3.

\*\*\*\*\* SECTION V REACTIVITY DATA \*\*\*\*\*

Stable: Yes  
Hazardous Polymerization May Occur: No  
Conditions to Avoid  
Stability (Conditions to Avoid): High temperatures. Polymerization  
(Conditions to Avoid): None.  
Incompatibility (Material to Avoid)  
Incompatible with strong oxidizers.  
Hazardous Decomposition or Byproducts  
In fire, will decompose to carbon dioxide, water, nitrogen phosphorous,  
boron, aldehydes and ketones.

\*\*\*\*\* SECTION VI HEALTH HAZARD DATA \*\*\*\*\*

Effects on Eyes  
Health Hazards (Acute and Chronic): Eye irritant. Hexane may damage  
peripheral nerve tissue.  
Effects on Skin

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A Primary Route of Entry. Health Hazards (Acute and Chronic): Will cause defatting of skin. Effects are reversible. Skin irritant. Signs and Symptoms of Exposure: Redness.

Effects Due to Ingestion

A Primary Route of Entry. Health Hazards (Acute and Chronic): Aspiration hazard if swallowed. Signs and Symptoms of Exposure: Vomiting. Medical Conditions Generally Aggravated by Exposure: Heart disease.

Effects Due to Inhalation

A Primary Route of Entry. Health Hazards (Acute and Chronic): May cause dizziness or narcosis in high vapor concentrations. Long term exposure (years) to high concentrations of vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system. May irritate respiratory tract. Signs and Symptoms of Exposure: Difficulty in breathing. Medical Conditions Generally Aggravated by Exposure: Respiratory disorders. Carcinogenicity: NTP, IARC Monographs, OSHA Regulated: Presently not on any list.

First Aid Procedures for Eyes

Wash eyes with water.

First Aid Procedures for Skin

Wash skin with water.

First Aid Procedures for Ingestion

DO NOT induce vomiting. Gastric lavage.

First Aid Procedures for Inhalation

Give oxygen.

\*\*\*\*\* SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE \*\*\*\*\*

Steps to Be Taken in Case Material is Released or Spilled

Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.

Waste Disposal Method

Dispose as hazardous waste in accordance with EPA RCRA.

Precautions to Be Taken in Handling and Storing

Keep away from heat, sparks, or open flame. Store at temperatures below 120F.

Other Precautions

When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.

\*\*\*\*\* SECTION VIII CONTROL MEASURES \*\*\*\*\*

Local Exhaust: Yes

Mechanical (General): None

Special Ventilation: None

Other Ventilation: None

Protective Gloves: None required if spraying

Eye Protection: Wear eye protection

Other Protective Clothing or Equipment

Long sleeve and long pants.

Work/Hygienic Practices

DO NOT smoke while using. Wash hands after use.

Respiratory Protection (Specify Type)

Self contained breathing apparatus if above TLV limit exceeding.

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\*\*\*\*\* SECTION IX ADDITIONAL INFORMATION \*\*\*\*\*

Additional Information

EMERGENCY TELEPHONE NO.:  
216/467-4195.

PRODUCT IDENTIFICATION:

Curtis #: 83275.  
DOT Shipping - Consumer Commodity ORM-D.

HAZARDOUS INGREDIENTS:

\*Hexane: OSHA PEL: 50; ACGIH TLV: 50.  
Petroleum Hydrocarbon Mixture: ACGIH TLV: 5 mg/m3 oil mist.  
Propane/Isobutane/n-Butane: OSHA PEL: 1000; ACGIH TLV: 1000; STEL:  
Asphyxiant.  
Bitumen: ACGIH TLV: 5 mg/m3.  
Paraffinic Distillates: OSHA PEL: 5 mg/m3; ACGIH TLV: 5 mg/m3; STEL:  
10 mg/m3.  
Naphthenic Oil: ACGIH TLV: 5 mg/m3.

\*: All chemical compounds marked with an asterisk (\*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this Material Safety Data Sheet.