U.S. DEPARTMENT OF LABOR
cupational Safety and Health Admin ation

Form Approved
OMB No. 44-R1387

DPM 5481
Lubricant, Oil, Preservative
9/8/77

FEB 1 1980

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

FEB 09 1982

SECTION I

MANUFACTURER'S NAME: E. F. Houghton & Company	EMERGENCY TELEPHONE NO.: 215- 666-4065
ADDRESS (Number, Street, City, State, and ZIP Code): Madison & Van Buren Aves. Valley Forge, PA 19482	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS: Cosmoline 1116
CHEMICAL FAMILY	FORMULA

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Ingredients not considered hazardous by present		
OSHA regulations		

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H_2O=1)	0.81
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT, VOLATILE BY VOLUME (%)	0.0
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____ =1)	0.0
SOLUBILITY IN WATER	None		

APPEARANCE AND ODOR: Clear Brown liquid, bland odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): ASTMD - 92 -57 275°F	FLAMMABLE LIMITS: N/A	Lel	Uel

EXTINGUISHING MEDIA: CO_2, Foam, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: Not required

UNUSUAL FIRE AND EXPLOSION HAZARDS

(Continued on reverse side)

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: N/A

EFFECTS OF OVEREXPOSURE: Mild irritant to eyes

EMERGENCY AND FIRST AID PROCEDURES: If swallowed, do not induce vomiting. Skin- wash with soap and water, Call a physician. Eyes - Flush with water for 15 minutes, consult physician

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	

INCOMPATABILITY (Materials to avoid): Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Clean up with dry absorbent material.

WASTE DISPOSAL METHOD: Treat as waste petroleum oil.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type): Not required

VENTILATION			
	LOCAL EXHAUST: Not required	SPECIAL	
	MECHANICAL (General): Not required	OTHER	

PROTECTIVE GLOVES	EYE PROTECTION
Not required	Not required

OTHER PROTECTIVE EQUIPMENT: Not required

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid contact with strong oxidizers.

OTHER PRECAUTIONS: