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U.S. DEPARTMENT OF LABOR

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WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

RE-ISSUE
6-22-76

SECTION I

MANUFACTURER'S NAME: E. F. Houghton & Co.	EMERGENCY TELEPHONE NO.: 215-RE-9-7100
ADDRESS (Number, Street, City, State, and ZIP Code): 303 W. Lehigh Avenue, Philadelphia, Pa. 19133	
CHEMICAL NAME AND SYNONYMS: N/A	TRADE NAME AND SYNONYMS: Cosmoline 1104
CHEMICAL FAMILY: N/A	FORMULA: N/A

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS Stoddard	55	200	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES		PPM-AIR	OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

SECTION III PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H_2O=1)	.87
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	55
VAPOR DENSITY (AIR=1)		EVAPORATION RATE Butyl Acetate	Greater
SOLUBILITY IN WATER Moderate			

APPEARANCE AND ODOR: Dark thin liquid, Petroleum solvent odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) 105°F P.M. C.C.	FLAMMABLE LIMITS Fire Point 110°F.	Lel	Uel

EXTINGUISHING MEDIA: CO_2, Foam, Dry Chemical.

SPECIAL FIRE FIGHTING PROCEDURES

UNUSUAL FIRE AND EXPLOSION HAZARDS

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 200 P.P. M.-Air for the Solvent

EFFECTS OF OVEREXPOSURE: Dizziness, Nausea

EMERGENCY AND FIRST AID PROCEDURES
Inhalation-Remove to fresh air, administer oxygen if necessary.
Eye Contact- Wash with water for 15 minutes, Consult a physician.
Ingestion- Remove contents with a stomach pump. DO NOT give an emetk.

SECTION VI REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	

INCOMPATABILITY *(Materials to avoid)*: Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Nitrogen.

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. Provide ventilation. Keep sources of heat, sparks and open flames away from area.

WASTE DISPOSAL METHOD: Follow local regulations for waste petroleum solvents and oils.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*: N/A

VENTILATION			
	LOCAL EXHAUST: Use with ventilation.	SPECIAL	
	MECHANICAL *(General)*	OTHER	

PROTECTIVE GLOVES

EYE PROTECTION: Goggles

OTHER PROTECTIVE EQUIPMENT

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT store near sources of heat. Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Avoid contact with Strong Oxidizers.