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U.S. DEPARTMENT OF LABOR

WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

2/7/72

SECTION I

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
E. F. Houghton & Company	
ADDRESS (Number, Street, City, State, and ZIP Code)	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
	Cindel 3411
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		
Odorless Mineral Spirits	90	200 PPM			
ADDITIVES			OTHERS		
OTHERS					

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

SECTION III PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H_2O=1)	0.8
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (__ • __ =1)	
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Light amber fluid. B land solvent odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
Tag closed cup 125°F	Fire Pt. 140°F		
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES	None		
UNUSUAL FIRE AND EXPLOSION HAZARDS			

PLAINTIFF'S EXHIBIT AL-1085

409972 0603

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
200ppm for solvent.

EFFECTS OF OVEREXPOSURE
EYES - Irritant INHALATION - Dizziness a nd nausea may occur.

INGESTION - Avoid.

EMERGENCY AND FIRST AID PROCEDURES
SKIN - Wash with soap and water. EYES - Wash with water for 15 minutes. Consult A Physician. INGESTION - Use a stomach pump. DO NOT INDUCE VOMITING. Consult A Physician.
INHALATION - Remove to fresh air. Consult A Physician.

SECTION VI REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	x	

INCOMPATABILITY *(Materials to avoid)*
Keep away from excessive heat, sparks, flames and strong oxidizers.

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
Avoid contact with sparks or flames. Apply Speedi-Dri or similar absorbent to the area.

WASTE DISPOSAL METHOD
Follow local regulations for disposal of petroleum containing solvents.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
Use with adequate ventilation.

VENTILATION		
	LOCAL EXHAUST x	SPECIAL
	MECHANICAL *(General)*	OTHER

PROTECTIVE GLOVES | EYE PROTECTION Goggles

OTHER PROTECTIVE EQUIPMENT

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Avoid storing near excessive heat, sparks, open flames. Keep container tightly closed.

OTHER PRECAUTIONS
Avoid contact with strong oxidizers.