

MATERIAL SAFETY DATA SHEET

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

SECTION I

MANUFACTURER'S NAME R. D. Hanish Company		EMERGENCY TELEPHONE NO. (614) 451-1028
ADDRESS (Number, Street, City, State, and ZIP Code) 2231 Glenmere Road, Columbus, Ohio 43220		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS Vitafilm	
CHEMICAL FAMILY Aliphatic petroleum hydro-carbon distillate & terpene alcohol	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)
Aliphatic solvent and pine oil				96	500 ppm
Oils of cedarleaf, birch, sassafras				4	

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	310	SPECIFIC GRAVITY (H ₂ O=1)	0.77-0.80
VAPOR PRESSURE (mm Hg.)	under 12	PERCENT, VOLATILE BY VOLUME (%)	100%
VAPOR DENSITY (AIR=1)	4.7	EVAPORATION RATE (ethyl-ether =1)	36
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND ODOR Colorless; combination of piney-cedar odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	(cc) 100 F	FLAMMABLE LIMITS	Lel	Uel
			1.0 %	6.0%
EXTINGUISHING MEDIA.	Water, carbon dioxide, foam, dry chemical.			
SPECIAL FIRE FIGHTING PROCEDURES	Cool containers with water if exposed to fire or excessive heat.			
UNUSUAL FIRE AND EXPLOSION HAZARDS				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

500 ppm

EFFECTS OF OVEREXPOSURE

Prolonged exposure without adequate ventilation may cause headache, nausea, drowsiness; drying of skin; skin irritation to one who may be allergic to ingredients.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove from area-call physician. SKIN: Flush with soap and water.

EYES: Flush with water-call physician. INTERNAL CONTAMINATION: Do not induce vomiting-call physician.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

STABLE

CONDITIONS TO AVOID

Open flame-sparks-excessive heat.

X

INCOMPATIBILITY (Materials to avoid)

Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide-carbon dioxide

HAZARDOUS
POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

CONDITIONS TO AVOID

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove sources of ignition. Stop spill at source. Pump large spills into metal salvage tank. Absorb small spills with absorbant materials (cloth, sawdust, sand, etc.)

WASTE DISPOSAL METHOD

Incinerate. Dispose of in accordance with government regulations.

N/A

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Maintain concentration in working atmosphere below TLV

VENTILATION

LOCAL EXHAUST

MECHANICAL (General)

X

SPECIAL

OTHER

PROTECTIVE GLOVES

Solvent-resistant rubber

EYE PROTECTION

Safety glasses

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Combustible liquid-keep away from open flame-sparks-excessive heat.

OTHER PRECAUTIONS

Use only with adequate ventilation.

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