



FIFTIETH ANNIVERSARY
1934 - 1984

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Product Name: VARATHANE® Professional Clear Finish, Gloss, Semi-Gloss, Satin
Product Number(s): #900, #1000, #1100
Product Class: Oil-modified Polyurethane

Manufacturer's Name: The Flecto Company, Inc.
Address: 1000 45th Street, Oakland, CA 94608

Emergency Phone: (415) 655-2470
Business Phone: (415) 655-2470
Name of Preparer: Edward M. Quesada
Date prepared: 4/25/86

DOT Hazard Class (49CFR 172.101): Not Regulated
Proper Shipping Name (49CFR 172.101): Paint
UN No. UN 1263

OSHA Flammability Classification: Combustible Liquid - Class II

II. HAZARDOUS INGREDIENTS

Ingredients	CAS Numbers	Weight Percent	Vapor Pressure mm Hg	Exposure Limits in Air		
				ACGIH(TLV)	OSHA(PEL)	Other*
Mineral Spirits (Stoddard Solvent)	8052-41-3	59	2.0	100 ppm	500 ppm	100 ppm

* CAL/OSHA PEL

III. PHYSICAL PROPERTIES

Weight Per Gallon: 7.26-7.38 lbs/gal
Boiling Range: 315-390°F
160-200°C
Evaporation Rate (ether = 1): <1
Vapor Density (air=1): >1
Solubility in Water: Negligible
Percent Volatile by Volume: 66.4 - 66.5
Appearance and Odor: Clear amber appearance with a mild aliphatic odor.

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: 105°F TCC
41°C
Flammable Limits in Air, Volume %: Lower: 1.0 Upper: N/A

Fire Extinguishing Materials:

Water Spray
X Foam
X Carbon Dioxide
X Dry Chemical
Other:

Special Firefighting Procedures: Fight as volatile liquid fire. Use water to keep fire exposed containers cool to reduce pressure.

Unusual Fire and Explosion Hazards: Keep away from heat, sparks and open flame.

----- V. HEALTH HAZARD INFORMATION -----

• SYMPTOMS OF OVEREXPOSURE

Inhaled/Swallowed: A burning sensation in the nose and throat, cough, a feeling of difficulty in breathing. Also, headache, dizziness, staggering gait, confusion, unconsciousness or coma.

Contact With Skin or Eyes: Primary irritation.

• HEALTH EFFECTS OR RISKS FROM EXPOSURE

Acute (Short Term): Both a respiratory tract irritant and a Central Nervous System (CNS) depressant.

Chronic (Long Term): Unknown at this time.

• FIRST AID: EMERGENCY PROCEDURES

Eye Contact: Flush immediately with large amounts of water for 15 mins. Consult physician.

Skin Contact: Wash affected areas with soap and water. Consult physician if irritation persists.

Inhaled: Remove to fresh air, restore breathing, consult physician.

Swallowed: Do not induce vomiting. Call physician immediately.

• SUSPECTED CANCER AGENT?

NO: This product's ingredients are not found in the lists below.

YES: Federal OSHA NTP IARC Cal/OSHA

• MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Anesthesia, respiratory tract irritation, dermatitis, nausea, vomiting.

----- VI. REACTIVITY DATA -----

Stability: Stable Unstable

Conditions to Avoid: Excessive heat, sparks or open flame.

Incompatibility (materials to avoid): May react with strong oxidizing agents.

Hazardous Polymerization: May occur Will not occur

Conditions to Avoid: Excessive heat, poor ventilation, corrosive atmospheres, excessive aging.

----- VII. SPILL, LEAK AND DISPOSAL PROCEDURES -----

Spill Response Procedures: Remove all sources of ignition. Avoid breathing vapors. Ventilate and remove with inert absorbent.

Preparing Wastes for Disposal: Normal waste disposal methods. Do not incinerate in closed containers.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

----- VIII. SPECIAL HANDLING AND PROTECTION INFORMATION -----

Ventilation and Engineering Controls: Adequate volume and pattern to avoid vapor concentration in excess of TLV or LEL.

Respiratory Protection: Approved mask or respirator for organic vapors as necessary.

Eye Protection: Safety goggles or safety glasses with shields.

Gloves: Neoprene or rubber.

Other Clothing and Equipment: Use impermeable aprons & protective clothing whenever possible.

Work Practices, Hygienic Practices: Do not store in a high temperature area or near fire or open flame. Do not take internally.

Other Handling and Storage Requirements: Keep away from children. Do not take internally. Do not get in eyes. Do not store or use near heat, sparks or flame.