

MATERIAL SAFETY DATA SHEET

33218-1013

POLYFORM PRODUCTS COMPANY

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HMIS
Health 2
Flammability 1
Reactivity 0
Protection G

DATE OF PREPARATION: 2/16/98 FAX

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SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: SCULPEY GLAZE
#33 GLOSS/MATTE

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT WT.	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE	
		TLV	PEL	mm	Hg
1-Methyl-2-Pyrrolidinone N-Methyl Pyrrolidone CAS No. 872-50-4	16.8	Not established 100 ppm recommended		.29 @ 20°C	
N,N-Diethylethanamine Triethylamine CAS No. 121-44-8	1.7	10 ppm	10 ppm	54 @ 20°C	

V-3450

SECTION III - PHYSICAL DATA

BOILING RANGE: 192-396°F VAPOR DENSITY: Heavier than air
EVAPORATION RATE: Slower than ether % VOLATILE VOLUME: 67 WT/GAL: 8.8 lbs.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA Combustible Liquid Class III B
DOT Not Regulated

FLASH POINT: Over 200°F LEL: 1.2% (TEA)
Pensky-Martens C.C.

EXTINGUISHING MEDIA: CO₂, dry chemical, water fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: Material will not support combustion unless the water has evaporated.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers, to prevent pressure build-up.

SECTION V - HEALTH HAZARD DATA

The health effects of this product have not been tested. The following information is based on the hazards of its components.

EFFECTS OF OVEREXPOSURE:

Eye Contact: May cause severe irritation.
Inhalation: May cause irritation to nose, throat or lungs.
Skin: May cause irritation.
Ingestion: May be harmful if swallowed.

CHRONIC HEALTH EFFECTS: Human experience has demonstrated redness, cracking and blistering of skin through repeated and prolonged contact with N-Methyl pyrrolidone. NMP is reported to be fetotoxic and teratogenic by dermal exposure.

Rats exposed to an aerosol-vapor mixture of NMP at 1.0 mg/l for 8 hr/day, 5 days/week for 4 weeks developed excessive mortality, focal pneumonia, bone marrow hypoplasia and atrophy of lymphoid tissue.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known.

PRIMARY ROUTE(S) OF ENTRY: Dermal, eye contact, Inhalation.

EMERGENCY AND FIRST AID PROCEDURES:

Splash (eyes): Flush immediately with copious quantities of running water for at least 15 minutes. Consult physician.
Splash (skin): Wash affected areas with soap and water.
Ingestion: Consult physician.
Inhalation: Remove to fresh air.

TOXICITY:**N-Methyl pyrrolidone:**

May cause severe eye irritation. Prolonged exposure may cause skin irritation. LD₅₀, oral-rat: 4200 mg/kg. LD₅₀, skin-rabbit: 8000 mg/kg.
Teratogenic effects: Male and female rats exposed orally to 500 mg/kg/day in feed for 10 weeks before mating and throughout pregnancy: fetolethality. In earlier study, 300 mg/kg/day was a clear no effect level.

Triethylamine:

Primary irritant of mucous membranes and eyes.
Toxic by ingestion and skin absorption.
LD₅₀, oral-rat: 460 mg/kg. LD₅₀, skin-rabbit: 570 mg/kg.
LCLo, inhalation-rat: 1000 ppm/4H.

No constituents are listed as carcinogens by NTP, IARC or OSHA.

SECTION VI - REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Normal combustion products including carbon dioxide, carbon monoxide, and oxides of nitrogen.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers