

115-0140
740

MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME:

Polyform Products Company
9420 W. Byron St.
Schiller Park, IL 60176

INFORMATION TELEPHONE NO.

(708) 678-5240

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This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information on these sheets, and then provide this information to those people at your company whose responsibility is to comply with Federal and State RIGHT TO KNOW Regulations. Also make this information available to any employee who requests it.

SECTION II - PRODUCT IDENTIFICATION

PRODUCT NUMBER:

PRODUCT NAME: SUPER SCULPEY - MODELING MATERIAL

PRODUCT CLASS: Vinyl Compound - Plastigel

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	C.A.S. NO.	PERCENT (BY WEIGHT)	ACGIH (TLV)	OSHA (PEL)
VINYL CHLORIDE MONOMER		<.001	5ppm	1ppm (TWA) 5ppm (Ceiling)

SECTION III - PHYSICAL DATA

BOILING RANGE: Not applicable.
VAPOR DENSITY: X HEAVIER LIGHTER THAN AIR
EVAPORATION RATE: FASTER X SLOWER THAN ETHER
% VOLATILE WEIGHT: .0000
WT/GAL.: 11.6 Lbs. /Gal.
SPECIFIC GRAVITY: 1.4

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

IGNITION CHARACTERISTICS: ASTM D-1929

FLASH IGNITION TEMPERATURE: 321°C. (610°F.)

SELF-IGNITION TEMPERATURE: 435°C. (815°F.)

EXTINGUISHING MEDIA:

FOAM: ALCOHOL FOAM: CO₂: DRY CHEMICALS: WATER FOAM: OTHER:

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES

When burned or subject to temperatures in excess of 300° F. for excessive time hydrogen chloride is emitted. Avoid breathing combustion products or use selfcontained breathing apparatus.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE

No immediate effects. Fumes emitted during fusion may be eye and skin irritant. Degradation products are skin, eye, and lung irritants.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

Skin sensitization and allergenic reactions of certain individuals. See Section II for effect of certain hazardous ingredients.

PRIMARY ROUTES OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES

In case of skin and eye contact, remove excess material with cloth or absorbent paper then wash with soapy water. If excess inhalation of fumes, remove to fresh air.

SECTION VI - REACTIVITY DATA

STABILITY UNSTABLE: STABLE: HAZARDOUS POLYMERIZATION: MAY OCCUR: WILL NOT OCCUR:

HAZARDOUS DECOMPOSITION PRODUCTS:

Hydrogen chloride, carbon monoxide, and carbon dioxide at elevated temperatures.

CONDITIONS TO AVOID

Prolonged exposure to temperatures above 300 °F.

INCOMPATIBILITY (MATERIALS TO AVOID)

Oxidizing materials can cause a reaction.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Scoop into drums, absorb remainder in inert filler.

PASTE DISPOSAL:

Dispose in accordance with local, state and federal regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:

Not required with adequate ventilation. In restricted ventilation areas wear approved chemical/mechanical filters to remove fumes/mists.

VENTILATION:

Exhaust systems should be sufficient to remove vapors emitted during fusion.

PROTECTIVE GLOVES:

Use neoprene or vinyl gloves.

EYE PROTECTION: Safety glasses recommended.

OTHER PROTECTIVE EQUIPMENT:

Protective clothing if skin contact is likely.

HYGIENIC PRACTICES:

Avoid breathing fumes emitted during fusion. Wash hands before eating, using the washroom, smoking, etc. Wash contaminated clothing before reuse.

SECTION IX - SPECIAL PRECAUTIONS

CURING OPERATIONS:

Always use Polyform vinyl compounds under well ventilated conditions and avoid continued or prolonged breathing of fumes, vapors or smoke. When Polyform vinyl compounds are exposed to either elevated temperature or excessive heat, history (time) will result in decomposition.

As a general rule-of-thumb, degradation begins to occur after one hour at 117°C (350°F.), about 10 minutes at 204°C. (400°F.) and within five minutes at 232°C. (450°F.).