

SECTION I IDENTIFICATION OF PRODUCT

TRADE NAME [REDACTED]	PRODUCT CODE 24059 24030 24035 24040 24045 [REDACTED]
SYNONYM OR CROSS REFERENCE Polyester Paste (Filler)	PROPER SHIPPING NAME Putty

SECTION II HAZARDOUS INGREDIENTS

MATERIAL Polyester Resin 33 Styrene 17 ALSO SEE PAGE 3 ATTACHED	NATURE OF HAZARD Components flammable. Potential irritant to eyes, nose, throat, respiratory system and skin.
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SECTION III PHYSICAL DATA

BOILING POINT Not established	MELTING POINT N/A - paste
VAPOR PRESSURE Not established	SPECIFIC GRAVITY Approx. 1.6 (water = 1.0)
VAPOR DENSITY (AIR = 1) > 1	PERCENT VOLATILE BY VOLUME (%) < 16%
WATER SOLUBILITY None	EVAPORATION RATE (Ethyl Ether = 1) < 1
APPEARANCE Green fibrous paste	

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used) TCC 83° F. (Closed Cup)	FLAMMABLE LIMITS Not established	Lower	Upper
FIRE EXTINGUISHING MEDIA CO ₂ Dry Chemical Foam			
SPECIAL FIRE-FIGHTING PROCEDURES Fight like a fuel oil fire. Cool fire exposed containers with water spray. Firefighters wear MSHA/NIOSH approved self-contained breathing apparatus.			
UNUSUAL FIRE AND EXPLOSION HAZARD Styrene polymerizes at elevated temperatures, such as fire conditions. Should this occur in closed containers there is a possibility of violent rupture.			

SECTION V HEALTH HAZARD

THRESHOLD LIMIT VALUE Styrene 100 ppm TLV. At 400 ppm or higher styrene is irritating to respiratory tract and eyes.
HEALTH HAZARDS HARMFUL OR FATAL IF SWALLOWED! IRRITANT WHEN IN CONTACT WITH EYES AND OPEN OR ABRADED SKIN! AVOID BREATHING OF VAPORS!
FIRST AID PROCEDURES <u>SWALLOWED</u> : Remove victim from exposure to well-ventilated area. Make comfortably warm but not hot. Use oxygen or artificial respiration as required. Do not induce vomiting. If conscious, give victim water to drink. Call a physician. <u>EYE CONTACT</u> : Flush promptly with excess water. Call a physician. <u>SKIN CONTACT</u> : Wash promptly with soap and excess water.

SECTION VI REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID Open flame, sparks, excessive heat (above 100° F.) and/or contact with strong oxidizing agents.
	STABLE	X	

INCOMPATIBILITY (materials to avoid) Peroxides or strong oxidizing agents, acids, alkalies and/or amines.

HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition will yield carbon monoxide, carbon dioxide and acrid fumes.

HAZARDOUS POLYMERIZATION	MAY OCCUR	X	CONDITIONS TO AVOID Contact with strong oxidizing agents, sunlight, contamination and/or prolonged storage above 100° F.
	WILL NOT OCCUR		

SECTION VII SPILL AND DISPOSAL PROCEDURES

SPILLS Eliminate all sources of ignition. Cover spill with inert absorbents, like vermiculite or sand. Gather absorbed mass with non-sparking tools to clean containers for proper and prompt disposal. Wash area with detergent and water. Remove soiled clothing promptly and thoroughly clean and wash.

DISPOSAL

Disposal method must comply with Local, State and Federal Regulations.

SECTION VIII PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)

Ventilate with air flow to keep vapor concentration below TLV

VENTILATION Fan or forced air Also see Miscellaneous	LOCAL Exhaust	SPECIAL See Section IX
	MECHANICAL (general) Acceptable (explosion-proof motor)	OTHER Prevent inhalation of dust when sanding cured product **
PROTECTIVE GLOVES Neoprene or equivalent	EYE PROTECTION Safety goggles or face shield to protect against spraying	

OTHER PROTECTIVE EQUIPMENT Safety showers and eye wash stations should be available

** (NIOSH approved face mask or respirator)

SECTION IX HANDLING AND STORAGE PRECAUTIONS

STORAGE & HANDLING

Keep away from extreme heat, open flame, or other sources of ignition. Avoid contact with strong oxidizing agents or catalysts. Do not store above 100° F. USE WITH ADEQUATE VENTILATION. DANGER: HARMFUL OR FATAL IF SWALLOWED! FLAMMABLE! AVOID CONTACT WITH EYES! AVOID BREATHING OF VAPORS! AVOID CONTACT WITH SKIN!

MISCELLANEOUS

Do not flame cut, braze, weld, or melt empty containers.

NOTE: When ventilation is inadequate, use U.S. Bureau of Mines approved air line mask or self-contained breathing apparatus.

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The information in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the company to make sure that the sheet is the latest one issued.

PRODUCT RATING

HMIS LABEL CODE:

0 = least hazard to
4 = greatest hazard

HEALTH

2

FLAMMABILITY

3

REACTIVITY

2

PRODUCT: DURAGLAS

SECTION II - LIST OF INGREDIENTS (100%)

	Weight % less than:	CAS #	TLV/PEL
Vehicle: Blend of proprietary polyester resins	34	None assigned	Not established
Solvents: Styrene CAUTION: Irritant to eyes, nose, throat, respiratory system and skin	17	100-42-5	100 ppm
Pigments & Extenders: (Dry Material)	54		*
Titanium Dioxide		13463-67-7	
Glass Fiber] Fiberglass ASTM D 578-D-3		14808-60-7	
Silica (SiO ₂)] 581: 8 hr. TWA 15 mg/m ³		60676-86-0	**
Total Dust; 8 hr. TWA 5 mg/m ³			
Respirable fraction			
Inert Fillers:		14807-96-6	
Contains pulverized natural foliated hydrous magnesium silicates prepared from non-asbestiform minerals which are low in crystalline silica content.			
Hazard Data:			
Talc (non-asbestiform) and a minor amount of inert ingredients* CAS #14807-96-6, GE Material D4E7, ASTM D 605.			
% 8-Hr TWA** +99 (1% free silica) 20 mppcf or ca 6mg/m ³ total mass or ca 3mg/m ³ respirable mass			
* Inert ingredients are impurities present in the complex minerals mixture. The impurities depend on the mine source and can vary from batch to batch. They may include magnesia, titania, calcium silicate, iron oxides (a color determinant), carbonates, aluminates, etc.			
** Current OSHA and ACGIH (1978) particulate levels with ACGIH conversion to mass (approximation).			
Proprietary rheological additives	1		
* Available data shows hazard as dust. In this product as sold and distributed, this material is wetted down limiting the extent and severity of the potential hazard.			
** Manufacturers literature shows TLV as 10 mg/m ³ ; however, ACGIH Data shows it as 0.1 mg/m ³ .			

GAG:tb

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