

PRODUCT NAME: PlastiFix Powder, White
PRODUCT CODE: 2531, 2531-L

HMIS CODES: H F R P
1 1 0 G

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S Urethane Supply Company
ADDRESS: 1128 Kirk Rd. DATE PRINTED: 5/18/2005
Rainsville, AL 35986 NAME OF PREPARER: KL
EMERGENCY Chemtrec 800-424-9300 INFORMATION 256-638-4103

SECTION II - HAZARDOUS INGREDIENTS/SARA III

REPORTABLE COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE		WEIGHT
		OSHA	ACGIH TLV	OTHER1	mm HG @	TEMP	
Particulates not otherwise classified		15 mg/m3	10 mg/m3		NA		60-100
Residual monomers	NA	NA	NA	NA	NA	NA	0.5-5.0
Benzoyl Peroxide	94-36-0	5 mg/m3	5 mg/m3		NA		0.5-1.5

* Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40

WARNING: DETECTABLE AMOUNTS OF A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR REPRODUCTIVE **MAY** BE PRESENT IN THIS PRODUCT

SECTION III - PHYSICAL / CHEMICAL

BOILING NA SPECIFIC GRAVITY 1.25
VAPOR NA
EVAPORATION RATE: 3
COATING VOC MATERIAL VOC
SOLUBILITY IN Insoluble
APPEARANCE AND Fine pink powder. Faint odor in bulk.

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT: 580
FLAMMABILITY LIMITS - UPPER:
EXTINGUISHING Water, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING

Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust into air, producing a fire hazard and possible explosion hazard if exposed to ignition source.

UNUSUAL FIRE AND EXPLOSION

Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust.

SECTION V - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID:

Heating above 464 F (240 C)

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Methacrylate monomer and oxides of carbon when burned.

HAZARDOUS POLYMERIZATION:

Will not occur

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

May irritate eyes, skin and respiratory tract.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Eyes: May be irritated by gross overexposure, no matter how generated. Skin: May be irritated by gross overexposure, no matter how generated.

May cause dryness.

SKIN ABSORPTION RISKS AND SYMPTOMS OF EXPOSURE:

May cause dryness.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

OSHA classifies the material as Particulates, not otherwise classified.

HEALTH HAZARDS (ACUTE AND CHRONIC):

CARCINOGENICITY: No **IARC?:** No **OSHA?:** No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EMERGENCY FIRST AID PROCEDURES:

Inhalation: Remove to fresh air. Get medical help if discomfort persists. Eyes: Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists. Skin: wash with soap and water. Ingestion. Rinse mouth out with water. Call doctor if amount was large.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills.

WASTE DISPOSAL METHOD:

Dispose in a landfill or incinerate according to Federal, State and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Use in well ventilated areas. Wear gloves when handling powder. Store in a cool dry place. Keep container closed to prevent water absorption and contamination.

OTHER PRECAUTIONS:

Keep out of reach of children.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION:

Use type for Particulates not otherwise classified, if needed.

VENTILATION:

Use good, local exhaust at processing equipment, including buffers, sanders, grinders and polishers.

PROTECTIVE GLOVES:

Impervious nitrile, if hot plastic is handled.

EYE PROTECTION:

Safety glasses of chemical splash goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Provide eyewash, safety shower and impervious clothing are recommended.

WORK / HYGENIC PRACTICES:

Wash face and hands thoroughly with soap and water after use and before eating, drinking smokin or applying cosmetics.

PRODUCT NAME: FlexMold molding bar
PRODUCT CODE: 2560

HMIS CODES: H F R P
0 1 0 A

SECTION I - MANUFACTURER IDENTIFICATION

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ADDRESS: 1128 Kirk Rd. DATE PRINTED:5/18/2005
Rainsville, AL 35986 NAME OF PREPARER: KL
EMERGENCY Chemtrec 800-424-9300 INFORMATION 256-638-4103

SECTION II - HAZARDOUS INGREDIENTS/SARA III

REPORTABLE COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE		
		OSHA	ACGIH	OTHER1	mm HG @	TEMP	WEIGHT
Ethylene-Vinyl Acetate Copolymer							>98
Process Aids							<2
Vinyl Acetate		108-05-4	10 ppm	10 ppm	10 ppm		

The above hazardous ingredients are encapsulated and pose no significant threat to human health or environment.

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SECTION III - PHYSICAL / CHEMICAL

BOILING N/A SPECIFIC GRAVITY 0.93-0.97

VAPOR N/A

EVAPORATION RATE: N/A

COATING VOC MATERIAL VOC

SOLUBILITY IN Negligible

APPEARANCE AND Tranlucent with mild ester-like odor

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT: 260 C (500 F)

FLAMMABILITY LIMITS - UPPER:

EXTINGUISHING Water, Foam, Dry Chemical, CO2

SPECIAL FIRE FIGHTING

Wear self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION

N/A

SECTION V - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID:
Temperatures above 230 degrees C for short residence times. Temperatures above 204 degrees C for long residence times.

INCOMPATIBILITY (MATERIALS TO AVOID):
Incompatible or can react with strong acids, oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Vinyl acetate, acetic acid, carbon monoxide, and hydrocarbon oxidation products including organic acids, aldehydes, acrolein

HAZARDOUS POLYMERIZATION:
Will not occur

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
Prolonged or repeated inhalation of vapors or fumes from the heated material may be irritating to the upper respiratory tract.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
The cool solid material is not expected to cause eye irritation. Thermal burns may result from the hot material.

SKIN ABSORPTION RISKS AND SYMPTOMS OF EXPOSURE:
If molten material comes in contact with skin, cool under ice water or a running stream of water. Do not attempt to remove the material from the skin.

Removal could result in severe tissue damage.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult a physician if necessary.

HEALTH HAZARDS (ACUTE AND CHRONIC):

N/A

CARCINOGENICITY: No **IARC?:** No **OSHA?:** No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None

EMERGENCY FIRST AID PROCEDURES:

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. **Skin Contact:** The compound is not likely to be hazardous by skin contact, but cleaning the skin after use is advisable. If molten material gets on skin, cool rapidly with cold water. Do not attempt to remove material from skin. Obtain medical treatment for thermal burn. **Eye Contact:** In case of contact, immediately flush

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

If liquid material is spilled, allow it to cool and solidify. Place material in disposal containers and dispose of in a manner consistent with applicable regulations.

WASTE DISPOSAL METHOD:

Preferred options for disposal are (1) recycling, (2) incineration with energy recovery, and (3) landfill.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store in a cool, dry, well ventilated area.

OTHER PRECAUTIONS:

Keep out of reach of children. For professional use only. Not intended for sale to the general public.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION:

Not normally required. If ventilation cannot be acquired, wear NIOSH approved respirator.

VENTILATION:

No special ventilation is necessary. However, if operating conditions create high airborne concentrations of gasses or fumes, special ventilation may be needed.

PROTECTIVE GLOVES:

Not normally required.

EYE PROTECTION:

Goggles or side-shielded safety glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

None

WORK / HYGENIC PRACTICES:

Wash hands before eating, smoking, or using bathroom.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PlastiFix Liquid

HMIS CODES: H F R P

PRODUCT CODE: 2520

2 3 2 G

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Urethane Supply Company

ADDRESS: 1128 Kirk Rd.

DATE PRINTED: 9/12/00

Rainsville, AL 35986

NAME OF PREPARER: KL

EMERGENCY PHONE: Chemtrec 800-424-9300

INFORMATION PHONE: 256-638-4103

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE		WEIGHT %
		OSHA	ACGIH TLV	OTHER1	mm HG @	TEMP	
Methyl Methacrylate Monomer	80-62-6	100 ppm	100 ppm	100 ppm	NA NA	60-100	
Ethylene Glycol Dimethacrylate	97-90-5	NA	NA	NA	NA NA	3-7	
N, N-Dimethyl-p-Toluidine	99-97-8	NA	NA	NA	NA NA	0.1-1	
Benzophenone	131-67-7	NA	NA	NA	NA NA	0.1-1	
Dye	81-48-1	NA	NA	NA	NA NA	.5-1.5 ppm	
4-Methoxyphenol	150-76-5	5 mg/m3	5 mg/m3	NA	NA NA	40-80 ppm	

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372

WARNING: DETECTABLE AMOUNTS OF A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM **MAY** BE PRESENT IN THIS PRODUCT

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING RANGE	101F	SPECIFIC GRAVITY (H20=1):	0.94
VAPOR DENSITY:	3.5 @ 60F		
EVAPORATION RATE:	3		
COATING V.O.C.:		MATERIAL V.O.C.	
SOLUBILITY IN WATER:	Moderate		
APPEARANCE AND ODOR	Clear, Pale Liquid. Acrid, fruity odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	51		
FLAMMABILITY LIMITS - LOWER	2.12	UPPER:	12.5
EXTINGUISHING MEDIA:	Chemical foam, carbon dioxide, dry chemical		

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self contained breathing apparatus, and full protective gear. Use water spray to cool containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors may travel to source of ignition and flash back. Heat can cause polymerization with rapid release of energy when they may rupture container explosively. (Spontaneous polymerization may occur on prolonged storage)

SECTION V - REACTIVITY DATA

STABILITY: Unstable

CONDITIONS TO AVOID:

Temps above 70 F (21 C), ignition sources, oxidizing/reducing agents, peroxides, acids, alkalis, amines, aging & contamination.

INCOMPATIBILITY (MATERIALS TO AVOID):

Reducing and oxidizing agents and UV light. Material has strong solvent properties and can soften paint and rubber.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Mainly oxides of carbon when burned.

HAZARDOUS POLYMERIZATION:

May occur.

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Respiratory Tract: May irritate. Symptoms: Headaches, nausea, staggering gait, confusion, drowsiness, and unconsciousness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Eyes: May irritate. Skin: May cause rashes.

SKIN ABSORPTION RISKS AND SYMPTOMS OF EXPOSURE:

May cause rashes.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

May cause changes in liver and kidney function or damage.

HEALTH HAZARDS (ACUTE AND CHRONIC):

Eyes: May cause eye corrosion and permanent injury. Liver and Kidneys: May cause changes in liver and kidney function or damage. Nervous System: Repeated and prolonged exposure may cause permanent damage. Skin: May cause allergic skin rashes.

CARCINOGENICITY: NTP?: No **IARC?:** No **OSHA?:** No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EMERGENCY FIRST AID PROCEDURES:

Inhalation: Remove to fresh air. Get medical help if discomfort persists. Eyes: Flush with water for 15 minutes, including under eyelids. Skin: Wash with soap and water. Ingestion: Rinse mouth out with water. Do not induce vomiting. Call doctor if amount was large. Treatment: Maintain airway. Provide oxygen and/or ventilation assistance, if needed. Treat burns or allergic reactions conventionally after decontamination.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Evacuate the area. Eliminate sources of ignition. Use self contained breathing apparatus and protective clothing. Dike and absorb with inert material. Transfer to proper containers for disposal, use non-sparking tools.

WASTE DISPOSAL METHOD:

When discarded it is listed as a hazardous waste by the EPA under RCRA U-162 with the reportable quantity of 1000 pounds (40CFR Part 302) Incinerate liquid and diking material after addition of excess inhibitor, in accordance with regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Close container after each use. Ground all metal containers when transferring. Use explosion-proof equipment. Store in a cool dry place away from heat, sparks, flame and direct sunlight. Check inhibitor levels every 3 months.

OTHER PRECAUTIONS:

Keep out of reach of children.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION:

Use self-contained breathin apparatus when needed.

VENTILATION:

Use good, local explosion-proof ventilation with a minimum capture velocity of 100 ft/min at point of monomer release.

PROTECTIVE GLOVES:

Impervious, nitrile.

EYE PROTECTION:

Safety glasses or chemical splash goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Provide eyewash, safety shower and impervious clothing.

WORK / HYGENIC PRACTICES:

Wash face and hands thoroughly with soap and water after use and before eating, drinking, smoking or applying cosmetics.

SECTION IX - DISCLAIMER

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE AND RELIABLE AS OF THE DATE INDICATED ABOVE, HOWEVER, URETHANE SUPPLY COMPANY AMKES NO REPRESENTATION, WARRANTY OR GUARANTEE NO ASSUMES ANY LEGAL RESPONSIBILITY AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. ULTIMATE DETERMINATION OF SUITABILITY FOR INTENDED USE IS THE RESPONSIBILITY OF THE USER.