

PMMA Flashing Resin Summer Grade

SECTION 1: IDENTIFICATION

<u>Product Identifier</u> <u>Product Form: Mixture</u>

Product Name: PMMA Flashing Resin Summer Grade

Intended Use of the Product

Use of the Substance/Mixture: Liquid Resin Roofing & Waterproofing Systems. For professional use only.

Name, Address, and Telephone of the Responsible Party

Company

GAF

1 Campus Drive, Parsippany, NJ 07054 USA

Telephone: 877-GAF-ROOF

Emergency Telephone Number

Emergency Number : 800-424-9300 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Flam. Liq. 2 H225 Acute Tox. 4 (Oral) H302 Skin Irrit. 2 H315 Eye Irrit. 2A H319 Resp. Sens. 1 H334 Skin Sens. 1 H317 Muta. 1B H340 Carc. 1B H350 Carc. 2 H351 STOT SE 3 H335 STOT SE 3 H336 Aquatic Acute 3 H402 Aquatic Chronic 3 H412

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)







Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) : H225 - Highly flammable liquid and vapor.

H302 - Harmful if swallowed. H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.



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- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H340 May cause genetic defects.
- H350 May cause cancer.
- H351 Suspected of causing cancer
- H360 May damage fertility or the unborn child.
- H402 Harmful to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements (GHS-US) :

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, sparks, open flames, hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical, ventilating, and lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe vapors, mist, spray.
- P264 Wash hands, forearms, and other exposed areas thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing, eye protection, face protection, respiratory protection.
- P284 [In case of inadequate ventilation] wear respiratory protection.
- P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.
- P302+P352 If on skin: Wash with plenty of water.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 If exposed or concerned: Get medical advice/attention.
- P321 Specific treatment (see section 4).
- P330 Rinse mouth.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- ${\tt P342+P311-If\ experiencing\ respiratory\ symptoms:\ Call\ a\ poison\ center/doctor.}$
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P370+P378 In case of fire: Use appropriate media to extinguish.
- P403+P233+ P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Flammable vapors can accumulate in head space of closed systems.

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Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Methyl methacrylate	(CAS No) 80-62-6	15 - 40	Flam. Liq. 2, H225
			Skin Irrit. 2, H315
			Eye Irrit. 2B, H320
			Resp. Sens. 1, H334
			Skin Sens. 1, H317
			STOT SE 3, H335
			Aquatic Acute 3, H402
2-Ethylhexyl acrylate	(CAS No) 103-11-7	10 - 30	Flam. Liq. 4, H227
			Skin Irrit. 2, H315
			Eye Irrit. 2A, H319
			Skin Sens. 1, H317
			STOT SE 3, H336
			Aquatic Acute 3, H402
			Aquatic Chronic 3, H412
Titanium dioxide	(CAS No) 13463- 67-7	0 - 20	Carc. 2, H351
Quartz	(CAS No) 14808-	0.1 – 2.0	Carc. 1A, H350
	60-7		STOT SE 3, H335
			STOT RE 1, H372
Naphtha, petroleum, hydrodesulfurized	(CAS No) 64742-	0 – 0.5	Flam. Liq. 1, H224
heavy	82-1		Skin Irrit. 2, H315
,			Muta. 1B, H340
			Carc. 1B, H350
			Repr. 2, H361
			STOT SE 3, H336
			Asp. Tox. 1, H304
			Aquatic Chronic 2, H411
Fatty acids, C18, unsaturated, dimers,	(CAS No) 162627-	0 – 0.5	Skin Sens. 1, H317
reaction products with N,N-dimethyl-1,3-	17-0		
propanediamine and 1,3-propanediamine			
Solvent naphtha, petroleum, light aromatic	(CAS No) 64742-	0 – 0.5	Flam. Liq. 1, H224
	95-6		Skin Irrit. 2, H315
			Muta. 1B, H340
			Carc. 1B, H350
			Repr. 2, H361
			STOT SE 3, H336
			Asp. Tox. 1, H304
			Aquatic Acute 2, H401
			Aquatic Chronic 2, H411

Multiple WHMIS ranges have been utilized due to varying composition.

Full text of H-phrases: see section 16



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SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Harmful if swallowed. Causes eye irritation. Skin irritation. May cause an allergic skin reaction. Irritation of respiratory tract. May damage fertility. May damage the unborn child. Inhalation may cause allergic respiratory reaction with asthma-like symptoms and difficulty breathing. Vapors may cause drowsiness and dizziness. May cause cancer. May cause heritable genetic damage.

Inhalation: May cause respiratory irritation. Exposure may produce an allergic reaction. May cause drowsiness or dizziness.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Eye Contact: Causes eye irritation.

Ingestion: Swallowing a small quantity of this material will result in serious health hazard.

Chronic Symptoms: May damage fertility. May damage the unborn child. May cause heritable genetic damage. May cause cancer.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Highly flammable liquid and vapor.

Explosion Hazard: May form flammable/explosive vapor-air mixture.

Reactivity: Product may polymerize at 60°C (>140°F), causing an exothermic reaction which may cause container damage or fire.

May react with peroxides, oxidizers, and incompatibilities.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Nitrogen oxides. Hydrocarbons. Black smoke. Methyl methacrylate.

Oxides of titanium. May release flammable gases. May liberate toxic gases.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid all eye and skin contact and do not breathe vapor and mist. Do not allow product to spread into the environment. Handle in accordance with good industrial hygiene and safety practice.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

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For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material. Contact competent authorities after a spill. Use only non-sparking tools.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable. Product may polymerize at 60°C (>140°F), causing an exothermic reaction which may cause container damage or fire. May react with peroxides, oxidizers, and incompatibilities. When heated to decomposition, emits toxic fumes.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do no eat, drink or smoke when using this product.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep in fireproof place. Keep/Store away from extremely high or low temperatures, ignition sources, combustible materials, heat, direct sunlight, incompatible materials.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

Specific End Use(s)

Parapro Liquid Resin system. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Methyl methacrylate (80-62-6)		
Mexico	OEL TWA (mg/m³)	410 mg/m ³
Mexico	OEL TWA (ppm)	100 ppm
Mexico	OEL STEL (mg/m³)	510 mg/m ³
Mexico	OEL STEL (ppm)	125 ppm
USA ACGIH	ACGIH TWA (ppm)	50 ppm
USA ACGIH	ACGIH STEL (ppm)	100 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	410 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m³)	410 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
USA IDLH	US IDLH (ppm)	1000 ppm
Alberta	OEL STEL (mg/m³)	410 mg/m³
Alberta	OEL STEL (ppm)	100 ppm
Alberta	OEL TWA (mg/m³)	205 mg/m ³
Alberta	OEL TWA (ppm)	50 ppm
British Columbia	OEL STEL (ppm)	100 ppm

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British Columbia	OEL TWA (ppm)	50 ppm
Manitoba	OEL STEL (ppm)	100 ppm
Manitoba	OEL TWA (ppm)	50 ppm
New Brunswick	OEL TWA (mg/m³)	410 mg/m³
New Brunswick	OEL TWA (ppm)	100 ppm
Newfoundland & Labrador	OEL STEL (ppm)	100 ppm
Newfoundland & Labrador	OEL TWA (ppm)	50 ppm
Nova Scotia	OEL STEL (ppm)	100 ppm
Nova Scotia	OEL TWA (ppm)	50 ppm
Nunavut	OEL STEL (mg/m³)	510 mg/m³
Nunavut	OEL STEL (ppm)	125 ppm
Nunavut	OEL TWA (mg/m³)	410 mg/m³
Nunavut	OEL TWA (ppm)	100 ppm
Northwest Territories	OEL STEL (mg/m³)	510 mg/m ³
Northwest Territories	OEL STEL (ppm)	125 ppm
Northwest Territories	OEL TWA (mg/m³)	410 mg/m ³
Northwest Territories	OEL TWA (ppm)	100 ppm
Ontario	OEL STEL (ppm)	100 ppm
Ontario	OEL TWA (ppm)	50 ppm
Prince Edward Island	OEL STEL (ppm)	100 ppm
Prince Edward Island	OEL TWA (ppm)	50 ppm
Québec	VEMP (mg/m³)	205 mg/m³
Québec	VEMP (ppm)	50 ppm
Saskatchewan	OEL STEL (ppm)	100 ppm
Saskatchewan	OEL TWA (ppm)	50 ppm
Yukon	OEL STEL (mg/m³)	510 mg/m³
Yukon	OEL STEL (ppm)	125 ppm
Yukon	OEL TWA (mg/m³)	410 mg/m³
Yukon	OEL TWA (ppm)	100 ppm
Quartz (14808-60-7)		
Mexico	OEL TWA (mg/m³)	0.1 mg/m³ (respirable fraction)
USA ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
USA OSHA	OSHA PEL (STEL) (mg/m³)	250 mppcf/%SiO ₂ +5, 10mg/m ³ /%SiO ₂ +2
USA NIOSH	NIOSH REL (TWA) (mg/m³)	0.05 mg/m³ (respirable dust)
USA IDLH	US IDLH (mg/m³)	50 mg/m³ (respirable dust)
Alberta	OEL TWA (mg/m³)	0.025 mg/m³ (respirable particulate)
British Columbia	OEL TWA (mg/m³)	0.025 mg/m³ (respirable)
Manitoba	OEL TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
New Brunswick	OEL TWA (mg/m³)	0.1 mg/m³ (respirable fraction)
Newfoundland & Labrador	OEL TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
Nova Scotia	OEL TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
Nunavut	OEL TWA (mg/m³)	0.1 mg/m³ (respirable mass)
Northwest Territories	OEL TWA (mg/m³)	0.1 mg/m³ (respirable mass)
Ontario	OEL TWA (mg/m³)	0.10 mg/m³ (designated substances regulation-respirable)
Prince Edward Island	OEL TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
Québec	VEMP (mg/m³)	0.1 mg/m³ (respirable dust)
Saskatchewan	OEL TWA (mg/m³)	0.05 mg/m³ (respirable fraction)
Yukon	OEL TWA (mg/m³)	300 particle/mL
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Titanium dioxide (13463-67-7)			
Mexico	OEL TWA (mg/m³)	10 mg/m ³	
Mexico	OEL STEL (mg/m³)	20 mg/m ³	
USA ACGIH	ACGIH TWA (mg/m³)	10 mg/m ³	
USA OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³ (total dust)	
USA IDLH	US IDLH (mg/m³)	5000 mg/m ³	
Alberta	OEL TWA (mg/m³)	10 mg/m ³	
British Columbia	OEL TWA (mg/m³)	10 mg/m³ (total dust)	
Manitoba	OEL TWA (mg/m³)	10 mg/m ³	
New Brunswick	OEL TWA (mg/m³)	10 mg/m ³	
Newfoundland & Labrador	OEL TWA (mg/m³)	10 mg/m ³	
Nova Scotia	OEL TWA (mg/m³)	10 mg/m ³	
Nunavut	OEL TWA (mg/m³)	5 mg/m³ (respirable mass)	
Northwest Territories	OEL TWA (mg/m³)	5 mg/m³ (respirable mass)	
Ontario	OEL TWA (mg/m³)	10 mg/m ³	
Prince Edward Island	OEL TWA (mg/m³)	10 mg/m ³	
Québec	VEMP (mg/m³)	10 mg/m³ (containing no Asbestos and <1% Crystalline	
		silica-total dust)	
Saskatchewan	OEL STEL (mg/m³)	20 mg/m ³	
Saskatchewan	OEL TWA (mg/m³)	10 mg/m ³	
Yukon	OEL STEL (mg/m³)	20 mg/m ³	
Yukon	OEL TWA (mg/m³)	30 mppcf	
Silica, amorphous (7631-86-	Silica, amorphous (7631-86-9)		
USA NIOSH	NIOSH REL (TWA) (mg/m³)	6 mg/m³	
USA IDLH	US IDLH (mg/m³)	3000 mg/m ³	
Nunavut	OEL TWA (mg/m³)	2 mg/m³ (respirable mass)	
Northwest Territories	OEL TWA (mg/m³)	2 mg/m³ (respirable mass)	
Yukon	OEL TWA (mg/m³)	300 particle/mL (as measured by Konimeter	
		instrumentation)	

Exposure Controls

Appropriate Engineering Controls: Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment: Protective clothing. Gloves. Insufficient ventilation: wear respiratory protection. Protective goggles.









Materials for Protective Clothing: Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of vapor or mist are expected to exceed exposure limits.

Thermal Hazard Protection: Wear suitable protective clothing. **Other Information:** When using, do not eat, drink or smoke.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State : Liquid

Appearance : White, pebble gray, gray, beige

Odor : Methyl methacrylate, Light Floral Scent

Odor Threshold Not available Not available **Evaporation Rate** Not available **Melting Point** Not available **Freezing Point** Not available **Boiling Point** Not available **Flash Point** 10 °C (50.00 °F) **Auto-ignition Temperature** Not available **Decomposition Temperature** Not available Flammability (solid, gas) Not available **Lower Flammable Limit** Not available **Upper Flammable Limit** Not available

Vapor Pressure : > 1000 hPa @50°C (122°F)

Relative Vapor Density at 20 °C : Not available Relative Density : Not available

Specific gravity / density : 0.97 - 1.4 g/l @21°C (69.8°F)

 Specific Gravity
 : Not available

 Solubility
 : Insoluble in water.

 Partition Coefficient: N-octanol/water
 : Not available

Viscosity : 25- 42 dPa*s @20°C (68°F)

Percent VOC Content Catalyzed Less than 50 g/L

Explosion Data – Sensitivity to Mechanical Impact: Not expected to present an explosion hazard due to mechanical impact.

Explosion Data – Sensitivity to Static Discharge : Static discharge could act as an ignition source.

SECTION 10: STABILITY AND REACTIVITY

<u>Reactivity</u>: Product may polymerize at 60°C (>140°F), causing an exothermic reaction which may cause container damage or fire. May react with peroxides, oxidizers, and incompatibilities.

Chemical Stability: Highly flammable liquid and vapor. May form flammable/explosive vapor-air mixture.

Possibility of Hazardous Reactions: Hazardous polymerization may occur.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Heat. Ignition sources. Incompatible materials.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

<u>Hazardous Decomposition Products</u>: Carbon oxides (CO, CO2). May release flammable gases. Toxic gases. Nitrogen oxides.

Hydrocarbons. Methyl methacrylate. Oxides of titanium.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Harmful if swallowed.

LD50 and LC50 Data:

Parapro Roof Membrane Resin (Gray, White); Paracoat; Terapro Base Resin; Terapro Flashing Resin; Terapro VTS Resin; Terapro Wearing Layer; Parapro Flashing (Gray, White); Paracoat Sand (Gray, White)

ATE US (oral) 1749.78 mg/kg body weight

Skin Corrosion/Irritation: Causes skin irritation.

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Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic

skin reaction.

Germ Cell Mutagenicity: May cause genetic defects.

Teratogenicity: Not available **Carcinogenicity:** May cause cancer.

Specific Target Organ Toxicity (Repeated Exposure): Not classified **Reproductive Toxicity:** May damage fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation. May cause drowsiness or dizziness.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May cause respiratory irritation. Exposure may produce an allergic reaction. May cause

drowsiness or dizziness.

Symptoms/Injuries After Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Causes eye irritation.

Symptoms/Injuries After Ingestion: Swallowing a small quantity of this material will result in serious health hazard.

Chronic Symptoms: May damage fertility. May damage the unborn child. May cause heritable genetic damage. May cause cancer.

<u>Information on Toxicological Effects - Ingredient(s)</u>

LD50 and LC50 Data:

Methyl methacrylate (80-62-6)		
LD50 Oral Rat	7900 mg/kg	
LC50 Inhalation Rat	4632 ppm/4h	
	+032 μμπι/ +π	
2-Ethylhexyl acrylate (103-11-7)		
LD50 Oral Rat	4435 mg/kg	
LD50 Dermal Rabbit	7522 mg/kg	
Quartz (14808-60-7)		
LD50 Oral Rat	> 5000 mg/kg	
LD50 Dermal Rat	> 5000 mg/kg	
Titanium dioxide (13463-67-7)		
LD50 Oral Rat	> 10000 mg/kg	
Naphtha, petroleum, hydrodesulfurized heavy (64742-82-1)		
LD50 Oral Rat	> 5000 mg/kg	
LD50 Dermal Rabbit	> 3160 mg/kg	
Solvent naphtha, petroleum, light aromatic (64742-95-6)		
LD50 Dermal Rabbit	> 2000 mg/kg	
LC50 Inhalation Rat	3400 ppm/4h	
ATE US (gases)	3,400.00 ppmV/4h	
Methyl methacrylate (80-62-6)		
IARC Group	3	
2-Ethylhexyl acrylate (103-11-7)		
IARC Group	3	
Quartz (14808-60-7)		
IARC Group	1	
National Toxicity Program (NTP) Status	Known Human Carcinogens.	

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Titanium dioxide (13463-67-7)	
IARC Group	2B

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Harmful to aquatic life with long lasting effects.

Methyl methacrylate (80-62-6)	
LC50 Fish 1	243 - 275 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	69 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	125.5 - 190.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
2-Ethylhexyl acrylate (103-11-7)	
EC50 Daphnia 1	17.45 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Solvent naphtha, petroleum, light aromatic (64742-95-6)		
LC50 Fish 1	9.22 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)	
EC50 Daphnia 1	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)	

Persistence and Degradability Not available

Bioaccumulative Potential

-		
Parapro Roof Membrane Resin (Gray, White); Paracoat; Terapro Base Resin; Terapro Flashing Resin; Terapro VTS Resin; Terapro		
Wearing Layer; Parapro Flashing (Gray, White); Paracoat Sand (Gray, White)		
Bioaccumulative Potential	Not established.	
Methyl methacrylate (80-62-6)		
Log Pow 0.7		
2-Ethylhexyl acrylate (103-11-7)		
Log Pow	4.64 (at 25 °C)	

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Additional Information: Handle empty containers with care because residual vapors are flammable.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

Proper Shipping Name : PAINT
Hazard Class : 3
Identification Number : UN1263
Label Codes : 3
Packing Group : II

Packing Group : II ERG Number : 128

In Accordance with IMDG

Proper Shipping Name : PAINT
Hazard Class : 3
Identification Number : UN1263
Packing Group : II
Label Codes : 3



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EmS-No. (Fire) : F-E EmS-No. (Spillage) : S-E

In Accordance with IATA

Proper Shipping Name : PAINT Packing Group : II

Identification Number : UN1263

Hazard Class : 3 Label Codes : 3 ERG Code (IATA) : 3L

In Accordance with TDG

Proper Shipping Name : PAINT
Packing Group : II
Hazard Class : 3

Identification Number : UN1263

Label Codes : 3





SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Parapro Roof Membrane Resin (Gray, White); Paracoat; Terapro Base Resin; Terapro Flashing Resin; Terapro VTS Resin; Terapro Wearing Layer; Parapro Flashing (Gray, White); Paracoat Sand (Gray, White)

SARA Section 311/312 Hazard Classes Fire hazard Immediate (acute) health hazard

Delayed (chronic) health hazard

Methyl methacrylate (80-62-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on United States SARA Section 313

SARA Section 313 - Emission Reporting 1.0 %

2-Ethylhexyl acrylate (103-11-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Quartz (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Titanium dioxide (13463-67-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Naphtha, petroleum, hydrodesulfurized heavy (64742-82-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Solvent naphtha, petroleum, light aromatic (64742-95-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

Quartz (14808-60-7)	
U.S California - Proposition 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of California to cause cancer.
Titanium dioxide (13463-67-7)	
U.S California - Proposition 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of California to cause cancer.



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Methyl methacrylate (80-62-6)

- U.S. California Toxic Air Contaminant List (AB 1807, AB 2728)
- U.S. Colorado Hazardous Wastes Discarded Chemical Products, Off-Specification Species, Container and Spill Residues
- U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
- U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
- U.S. Delaware Pollutant Discharge Requirements Reportable Quantities
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Idaho Occupational Exposure Limits TWAs
- U.S. Illinois Toxic Air Contaminants
- U.S. Louisiana Reportable Quantity List for Pollutants
- U.S. Maine Air Pollutants Hazardous Air Pollutants
- U.S. Massachusetts Allowable Ambient Limits (AALs)
- U.S. Massachusetts Allowable Threshold Concentrations (ATCs)
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 2
- U.S. Massachusetts Oil & Hazardous Material List Reportable Quantity
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 2
- RTK U.S. Massachusetts Right To Know List
- U.S. Massachusetts Threshold Effects Exposure Limits (TELs)
- U.S. Massachusetts Toxics Use Reduction Act
- U.S. Michigan Occupational Exposure Limits TWAs
- U.S. Michigan Polluting Materials List
- U.S. Minnesota Chemicals of High Concern
- U.S. Minnesota Hazardous Substance List
- U.S. Minnesota Permissible Exposure Limits TWAs
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) 24-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) Annual
- U.S. New Jersey Discharge Prevention List of Hazardous Substances
- U.S. New Jersey Environmental Hazardous Substances List
- RTK U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New Jersey Special Health Hazards Substances List
- U.S. New York Occupational Exposure Limits TWAs
- U.S. New York Reporting of Releases Part 597 List of Hazardous Substances
- U.S. North Dakota Air Pollutants Guideline Concentrations 1-Hour
- U.S. North Dakota Air Pollutants Guideline Concentrations 8-Hour
- U.S. North Dakota Hazardous Wastes Discarded Chemical Products, Off-Specification Species, Container and Spill Residues
- U.S. Oregon Permissible Exposure Limits TWAs
- RTK U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- RTK U.S. Pennsylvania RTK (Right to Know) List
- U.S. Rhode Island Air Toxics Acceptable Ambient Levels 24-Hour
- U.S. South Carolina Toxic Air Pollutants Maximum Allowable Concentrations
- U.S. South Carolina Toxic Air Pollutants Pollutant Categories
- U.S. Tennessee Occupational Exposure Limits TWAs
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Vermont Hazardous Waste Hazardous Constituents
- U.S. Vermont Permissible Exposure Limits TWAs
- U.S. Washington Dangerous Waste Dangerous Waste Constituents List
- U.S. Washington Dangerous Waste Discarded Chemical Products List



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- U.S. Washington Permissible Exposure Limits STELs
- U.S. Washington Permissible Exposure Limits TWAs
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 25 Feet to Less Than 40 Feet
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 40 Feet to Less Than 75 Feet
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 75 Feet or Greater
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights Less Than 25 Feet

2-Ethylhexyl acrylate (103-11-7)

- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 2
- U.S. Massachusetts Oil & Hazardous Material List Reportable Quantity
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 2
- RTK U.S. Massachusetts Right To Know List
- RTK U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New Jersey Special Health Hazards Substances List
- RTK U.S. Pennsylvania RTK (Right to Know) List
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

Quartz (14808-60-7)

- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Idaho Occupational Exposure Limits Mineral Dusts
- U.S. Illinois Toxic Air Contaminant Carcinogens
- U.S. Illinois Toxic Air Contaminants
- U.S. Maine Chemicals of High Concern
- RTK U.S. Massachusetts Right To Know List
- U.S. Michigan Occupational Exposure Limits TWAs
- U.S. Minnesota Chemicals of High Concern
- U.S. Minnesota Hazardous Substance List
- U.S. Minnesota Permissible Exposure Limits TWAs
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) 24-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) Annual
- RTK U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New Jersey Special Health Hazards Substances List
- U.S. New York Occupational Exposure Limits Mineral Dusts
- U.S. New York Occupational Exposure Limits TWAs
- U.S. Oregon Permissible Exposure Limits Mineral Dusts
- RTK U.S. Pennsylvania RTK (Right to Know) List
- U.S. Tennessee Occupational Exposure Limits TWAs
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Vermont Permissible Exposure Limits TWAs
- U.S. Washington Permissible Exposure Limits STELs
- U.S. Washington Permissible Exposure Limits TWAs

Titanium dioxide (13463-67-7)

- U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
- U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
- U.S. Idaho Occupational Exposure Limits TWAs
- U.S. Illinois Toxic Air Contaminant Carcinogens
- RTK U.S. Massachusetts Right To Know List

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- U.S. Michigan Occupational Exposure Limits TWAs
- U.S. Minnesota Chemicals of High Concern
- U.S. Minnesota Hazardous Substance List
- U.S. Minnesota Permissible Exposure Limits TWAs
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) 24-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) Annual
- RTK U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New York Occupational Exposure Limits TWAs
- U.S. North Dakota Air Pollutants Guideline Concentrations 8-Hour
- U.S. Oregon Permissible Exposure Limits TWAs
- RTK U.S. Pennsylvania RTK (Right to Know) List
- U.S. Tennessee Occupational Exposure Limits TWAs
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Vermont Permissible Exposure Limits TWAs
- U.S. Washington Permissible Exposure Limits STELs
- U.S. Washington Permissible Exposure Limits TWAs

Naphtha, petroleum, hydrodesulfurized heavy (64742-82-1)

- U.S. Maine Chemicals of High Concern
- U.S. Minnesota Chemicals of High Concern
- U.S. Minnesota Chemicals of High Concern Persistent Bioaccumulative Toxins
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

Solvent naphtha, petroleum, light aromatic (64742-95-6)

- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Issue Date : 05/19/2017

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA

Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4	Acute toxicity (inhalation:vapour) Category 4
(Inhalation:vapour)	
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1A	Carcinogenicity Category 1A
Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Comb. Dust	Combustible Dust



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Eye Irrit. 2A Serious eye damage/eye irritation Category 2B Filam. Liq. 1 Flammable liquids Category 1 Flam. Liq. 2 Flammable liquids Category 2 Flam. Liq. 3 Flammable liquids Category 4 Muta. 1B Germ cell mutagenicity Category 1B Repr. 2 Reproductive toxicity Category 2 Resp. Sens. 1 Respiratory sensitisation Category 1 Skin Frit. 2 Skin corrosion/irritation Category 2 Skin Sens. 1 Skin sensitization Category 1 Stin Sens. 1 Specific target organ toxicity (single exposure) Category 1 STOT SE 3 Specific target organ toxicity (single exposure) Category 3 STOT SE 3 Specific target organ toxicity (single exposure) Category 3 H224 Extremely flammable liquid and vapor H225 Highly flammable liquid and vapor H226 Flammable liquid and vapor H227 Combustible dust concentrations in air H301 Toxic if swallowed H302 Harmful if swallowed H304 May be fatal if swallowed H317 May cause an allergic skin reaction H319 Causes skin irritation <		
Flam. Liq. 1 Flam. Liq. 2 Flammable liquids Category 2 Flam. Liq. 3 Flammable liquids Category 3 Flam. Liq. 4 Flammable liquids Category 4 Muta. 1B Germ cell mutagenicity Category 1B Repr. 2 Repoductive toxicity Category 2 Resp. Sens. 1 Respiratory sensitisation Category 1 Skin Irrit. 2 Skin corrosion/irritation Category 2 Skin Sens. 1 Specific target organ toxicity (repeated exposure) Category 1 STOT RE 1 Specific target organ toxicity (single exposure) Category 3 STOT SE 3 Specific target organ toxicity (single exposure) Category 3 STOT SE 3 Specific target organ toxicity (single exposure) Category 3 Flam. Liq. 4 Extremely flammable liquid and vapor H224 Extremely flammable liquid and vapor H225 Highly flammable liquid and vapor H226 Flammable liquid and vapor Combustible liquid May form combustible dust concentrations in air H301 Toxic if swallowed H302 Harmful if swallowed H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H320 Causes serious eye irritation H331 May cause an allergic skin reaction H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H336 May cause drowsiness or dizziness H340 May cause drowsiness or dizziness H340 May cause genetic defects	Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2 Flam. Liq. 3 Flammable liquids Category 2 Flam. Liq. 4 Flammable liquids Category 3 Flam. Liq. 4 Flammable liquids Category 4 Muta. 1B Germ cell mutagenicity Category 1B Repr. 2 Reproductive toxicity Category 2 Resp. Sens. 1 Respiratory sensitisation Category 1 Skin Irrit. 2 Skin corrosion/irritation Category 2 Skins ens. 1 Skin sensitization Category 2 Skins ens. 1 Stort RE 1 Specific target organ toxicity (repeated exposure) Category 1 STOT SE 3 Specific target organ toxicity (single exposure) Category 3 STOT SE 3 Specific target organ toxicity (single exposure) Category 3 H224 Extremely flammable liquid and vapor H225 Highly flammable liquid and vapor H226 Flammable liquid and vapor Combustible liquid May form combustible dust concentrations in air Toxic if swallowed H300 Harmful if swallowed H304 May be fatal if swallowed H304 May be fatal if swallowed H315 Causes skin irritation M317 M32 cause an allergic skin reaction H319 Causes serious eye irritation H330 M34 cause an allergic skin reaction H331 M35 Causes serious eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause genetic defects	-	· · · · · · · · · · · · · · · · · · ·
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Repr. 2 Repr. 2 Resp. Sens. 1 Resp. Sens. 1 Respiratory sensitisation Category 2 Skin Irrit. 2 Skin corrosion/irritation Category 2 Skin Sens. 1 Skin sensitization Category 1 STOT RE 1 Specific target organ toxicity (repeated exposure) Category 1 STOT SE 3 Specific target organ toxicity (single exposure) Category 3 STOT SE 3 Specific target organ toxicity (single exposure) Category 3 H224 Extremely flammable liquid and vapor H225 Highly flammable liquid and vapor H226 H227 Combustible liquid May form combustible dust concentrations in air H301 Toxic if swallowed H302 Harmful if swallowed H304 May be fatal if swallowed H312 Harmful in contact with skin H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H320 Causes eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause drowsiness or dizziness H340 May cause genetic defects	Flam. Liq. 4	Flammable liquids Category 4
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Skin Irrit. 2 Skin corrosion/irritation Category 2 Skin Sens. 1 Skin sensitization Category 1 STOT RE 1 Specific target organ toxicity (repeated exposure) Category 1 STOT SE 3 Specific target organ toxicity (single exposure) Category 3 STOT SE 3 Specific target organ toxicity (single exposure) Category 3 H224 Extremely flammable liquid and vapor H225 Highly flammable liquid and vapor H226 Flammable liquid and vapor H227 Combustible liquid May form combustible dust concentrations in air H301 Toxic if swallowed H302 Harmful if swallowed H304 May be fatal if swallowed and enters airways H312 Harmful in contact with skin Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H320 Causes eye irritation H331 H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause drowsiness or dizziness H340 May cause genetic defects	Repr. 2	Reproductive toxicity Category 2
Skin Sens. 1 Skin sensitization Category 1 STOT RE 1 Specific target organ toxicity (repeated exposure) Category 1 STOT SE 3 Specific target organ toxicity (single exposure) Category 3 STOT SE 3 Specific target organ toxicity (single exposure) Category 3 H224 Extremely flammable liquid and vapor H225 Highly flammable liquid and vapor H226 Flammable liquid and vapor H227 Combustible liquid May form combustible dust concentrations in air Toxic if swallowed H300 Harmful if swallowed H302 Harmful if swallowed H312 Harmful in contact with skin H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H320 Causes eye irritation H331 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause drowsiness or dizziness H340 May cause genetic defects	Resp. Sens. 1	Respiratory sensitisation Category 1
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STOT SE 3 Specific target organ toxicity (single exposure) Category 3 STOT SE 3 Specific target organ toxicity (single exposure) Category 3 H224 Extremely flammable liquid and vapor H225 Highly flammable liquid and vapor H226 Flammable liquid and vapor Combustible liquid May form combustible dust concentrations in air H301 Toxic if swallowed H302 Harmful if swallowed H304 May be fatal if swallowed and enters airways H312 Harmful in contact with skin H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H320 Causes eye irritation H330 Harmful if inhaled H331 May cause allergy or asthma symptoms or breathing difficulties if inhaled H333 May cause drowsiness or dizziness H340 May cause genetic defects	Skin Sens. 1	Skin sensitization Category 1
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H224 Extremely flammable liquid and vapor H225 Highly flammable liquid and vapor H226 Flammable liquid and vapor H227 Combustible liquid May form combustible dust concentrations in air H301 Toxic if swallowed H302 Harmful if swallowed H304 May be fatal if swallowed and enters airways H312 Harmful in contact with skin H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H320 Causes eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause drowsiness or dizziness H340 May cause genetic defects	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225 Highly flammable liquid and vapor H226 Flammable liquid and vapor H227 Combustible liquid May form combustible dust concentrations in air H301 Toxic if swallowed H302 Harmful if swallowed H304 May be fatal if swallowed and enters airways H312 Harmful in contact with skin H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H320 Causes serious eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause drowsiness or dizziness H340 May cause genetic defects	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226 Flammable liquid and vapor H227 Combustible liquid May form combustible dust concentrations in air H301 Toxic if swallowed H302 Harmful if swallowed H304 May be fatal if swallowed and enters airways H312 Harmful in contact with skin H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H320 Causes eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause drowsiness or dizziness H340 May cause genetic defects	H224	Extremely flammable liquid and vapor
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May form combustible dust concentrations in air H301 Toxic if swallowed H302 Harmful if swallowed H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H320 Causes eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause drowsiness or dizziness H340 May cause genetic defects	H226	Flammable liquid and vapor
H301 Toxic if swallowed H302 Harmful if swallowed H304 May be fatal if swallowed and enters airways H312 Harmful in contact with skin H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H320 Causes eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause drowsiness or dizziness H340 May cause genetic defects	H227	Combustible liquid
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H304 May be fatal if swallowed and enters airways H312 Harmful in contact with skin H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H320 Causes eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H340 May cause genetic defects	H301	Toxic if swallowed
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H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H320 Causes eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H340 May cause genetic defects	H304	May be fatal if swallowed and enters airways
H317 May cause an allergic skin reaction H319 Causes serious eye irritation H320 Causes eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H340 May cause genetic defects	H312	Harmful in contact with skin
H319 Causes serious eye irritation H320 Causes eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H340 May cause genetic defects	H315	Causes skin irritation
H320 Causes eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H340 May cause genetic defects	H317	May cause an allergic skin reaction
H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H340 May cause genetic defects	H319	Causes serious eye irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H340 May cause genetic defects	H320	Causes eye irritation
H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H340 May cause genetic defects	H332	Harmful if inhaled
H336 May cause drowsiness or dizziness H340 May cause genetic defects	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H340 May cause genetic defects	H335	May cause respiratory irritation
	H336	May cause drowsiness or dizziness
H350 May cause cancer	H340	May cause genetic defects
	H350	May cause cancer
H351 Suspected of causing cancer	H351	Suspected of causing cancer
H361 Suspected of damaging fertility or the unborn child	H361	Suspected of damaging fertility or the unborn child
H372 Causes damage to organs through prolonged or repeated exposure	H372	Causes damage to organs through prolonged or repeated exposure
H400 Very toxic to aquatic life	H400	Very toxic to aquatic life
H401 Toxic to aquatic life	H401	Toxic to aquatic life
H402 Harmful to aquatic life	H402	Harmful to aquatic life
H410 Very toxic to aquatic life with long lasting effects	H410	Very toxic to aquatic life with long lasting effects
H411 Toxic to aquatic life with long lasting effects	H411	Toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects	H412	Harmful to aquatic life with long lasting effects



PMMA Flashing Resin Summer Grade

ADDITIONAL COMMENTS:

None.

DATE OF PREVIOUS SDS:

4/21/2016

CHANGES SINCE PREVIOUS SDS:

Name and phone number change.

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