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EMERGENCY PHONE 1 - 800 - 255 - 3924  
MATERIAL SAFETY DATA SHEET  
MP5405/5430/5445 PART A (RESIN)

HMIS	HEALTH	2	FLAMMABILITY	1	REACTIVITY	0
NFPA	HEALTH	2	FIRE HAZARD	1	REACTIVITY	0

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1. Chemical Product

Product Name: MP5405/5430/5445 PART A (RESIN)  
GPMR6042 & GPMR6045 – MP5405: 6 minute epoxy  
GPMR6043 & GPMR6047 – MP5430: 30 minute epoxy  
GPMR6048 – MP5445: 45 minute epoxy

Product Type: Epoxy Resin

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2. Composition and Information on Harmful Ingredients

Ingredients	CAS No.	OSHA PEL	ACGIH TLV	Other Limits	% Composition
Bisphenol - A	25068-38-6	N/A	N/A	N/A	>98

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3. Hazards Identification

Human Health Hazards: May be irritating to the eyes and skin. Contact with hot material can cause thermal burns. May cause skin sensitization. May cause skin sensitization by skin contact.

Safety Hazards: Material will not burn unless preheated.

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4. First Aid Measures

Ingestion: Do not induce vomiting. Have victim rinse out mouth with water, then, drink sips of water to remove taste from mouth. In general, no treatment is necessary unless large quantities are ingested. However, get medical advice. If vomiting occurs, keep head below hips to prevent aspiration.

Inhalation: Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

Skin Contact: Wipe excess material from exposed area. Flush with water and follow by washing with soap.

Eye Contact: Flush eye with water. Rest eyes for 30 minutes. If redness, burning blurred vision or swelling persists, consult a physician.

## 5. Fire Fighting Measures

Extinguishing Media:	Water fog, foam, dry chemical or CO <sub>2</sub>
Special Fire Fighting Procedures:	Wear self contained breathing apparatus.
Specific Hazards During Fire Fighting:	Material will not burn unless preheated.
Flash Point:	249°C

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## 6. Accidental Release Measures

Shut off leaks, if possible without personal risk. Dike and contain. Soak up with an absorbent such as clay or sand. Flush area with water to remove trace residue. Dispose of in accordance with all pertinent national legislation.

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## 7. Handling and Storage

Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. WARNING: May cause skin and eye irritation. Store in a cool, dry place with adequate ventilation. Keep containers closed when not in use. Keep away from open flames and high temperatures. Store away from acids. Store away from heat. Store out of direct sunlight. Store away from oxidizing agents.

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## 8. Exposure Control and Personal Protection

Eye Protection:	Wear chemical goggles if there is a potential for contact with eyes.
Respiratory Protection:	Not usually required under normal conditions of use.
Skin Protection:	Wear Butyl or EVAL-Laminate gloves to minimize contact.

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## 9. Physical and Chemical Properties

Form:	Viscous liquid
Color:	Clear, Black, White or Grey
Solubility in Water:	Negligible
Boiling Point:	>260°C
Specific Gravity @ 25°C:	1.17
Vapor Pressure @ 77°C:	0.03 mbar
Flash Point:	249°C

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## 10. Reactivity and Stability

Stability:	Stable under normal use conditions
Hazardous Polymerization:	Will not occur
Incompatibility:	Strong oxidizers, acids, bases
Conditions to Avoid:	Avoid high temperatures
Hazardous Decomposition Products:	No applicable information found

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## 11. Toxicological Information

Estimated Oral LD50: >2000 mg kg

Estimated Dermal LD50: >2000 mg kg

### Potential Health Effects:

Inhalation: Not expected to be a relevant route of exposure, however, under conditions where exposure to vapors or mists is possible, could cause respiratory tract irritation.

Skin: May be mildly irritating to the skin. Contact with hot material can cause thermal burns which may result in permanent damage. May cause skin sensitization.

Eyes: May be mildly irritating to the eye. Contact with hot material can cause thermal burns which may result in permanent damage or blindness.

Ingestion: Not likely to be a relevant route of exposure.

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## 12. Ecological Information

Not Determined.

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## 13. Disposal Considerations

Bisphenol – A must be disposed of in accordance with all national and local regulations.

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## 14. Transportation Information

Not considered hazardous for the purposes of transportation.

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## 15. Regulatory Information

Symbols: None

Risk Phrases: R43 May cause sensitization by skin contact

Safety Phrases: S51 Use only in well ventilated areas

S23A Do not breathe vapor

S22 Do not breathe dust

S24/25 Avoid contact with skin and eyes

S37 Wear suitable gloves

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28B After contact with skin, wash immediately with plenty of water

S61 Avoid release to the environment

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## 16. Other Information

Contact Great Planes for additional information.

Great Planes  
2904 Research Road  
Champaign, IL 61826  
Phone: 217-398-8970  
Fax: 217-398-0008

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NON-WARRANTY: Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. Adhesive Systems shall not be liable for any injury, loss, or damage in the use of its chemical products since the conditions of use are beyond our control. In every case we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Because of changing reporting requirements and other variables it is impossible to guarantee the accuracy of the information contained in this document. It is the responsibility of the user to determine proper personal protection based on the actual condition of use and to comply with all Federal, State and Local laws and regulations.

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For technical information

And support call 1-800-552-0299 or visit our website at

[www.instantca.com](http://www.instantca.com)



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EMERGENCY PHONE 1 - 800 - 255 - 3924  
 MATERIAL SAFETY DATA SHEET  
 MP5405/5430/5445 PART B (HARDENER)

HMIS	HEALTH	2	FLAMMABILITY	1	REACTIVITY	0
NFPA	HEALTH	2	FIRE HAZARD	1	REACTIVITY	0

1. Chemical Product

Product Name: MP5405/5430/5445 PART B (HARDENER)  
 GPMR6042 & GPMR6045 – MP5405: 6 minute epoxy  
 GPMR6043 & GPMR6047 – MP5430: 30 minute epoxy  
 GPMR6048 – MP5445: 45 minute epoxy

Product Type: Curing Agent

2. Composition and Information on Harmful Ingredients

Ingredients	CAS No.	OSHA PEL	ACGIH TLV	Other Limits	% Composition
Mercaptan / Amine Blend	Trade Secret	N/A	N/A	N/A	93-100
Isooctadecanoic Acid	30399- 84- 9	N/A	N/A	N/A	0-8

3. Hazards Identification

Human Health Hazards: Harmful if inhaled. Harmful if swallowed. May cause delayed lung injury. Causes irritation to respiratory tract if inhaled. Causes skin and eye irritation. May cause skin sensitization.

Routes of Entry: Skin

Target Organs: None Known

Irritancy: Skin, eyes

Sensitizing Capability: May cause skin sensitization

Reproductive Effects: None Known

Cancer Information: None Known

Exposure (Acute): Inhalation – Considered slightly toxic. Can cause irritation.  
 Eyes – Causes eye irritation.  
 Skin – Causes skin irritation  
 Ingestion – Harmful if swallowed

Exposure (Chronic): Dermatitis, chemical pneumonia, allergic reaction

Synergistic Materials: None Known

Medical Conditions

Aggravated by Exposure: May aggravate existing skin, eye, and lung conditions

#### 4. First Aid Measures

Ingestion:	If swallowed, immediately drink a large quantity of milk or water and call a physician.
Inhalation:	Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.
Skin Contact:	Flush with water for at least 15 minutes while removing contaminated clothing and shoes.
Eye Contact:	Flush with water for at least 15 minutes. Get medical attention.
Medical Conditions	
Aggravated by Exposure:	None Known

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#### 5. Fire Fighting Measures

Extinguishing Media:	Foam, dry chemical or CO2
Special fire Fighting Procedures:	Wear self contained breathing apparatus
Flash Point:	>200° F
Hazardous Decomposition Products:	Oxides of carbon, nitrogen, and sulfur; hydrogen sulfides

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#### 6. Accidental Release Measures

Dike and contain. Soak up with an absorbent such as clay or sand. Flush area with water to remove trace residue. Dispose of in accordance with all pertinent national legislation.

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#### 7. Handling and Storage

Avoid contact with skin, eyes and clothing. Do not store near resinous materials with epoxy functionality. Keep container tightly closed and properly labeled.

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#### 8. Exposure Control and Personal Protection

Eye Protection:	Wear full face shield or chemical safety goggles.
Respiratory Protection:	Use a NIOSH approved full-face respirator with organic vapor acid gas cartridge when handling this material unless using local exhaust.
Skin Protection:	Wear rubber, neoprene, or vinyl gloves, and work clothing with full length sleeves.
Engineering Controls:	Handle product in a well ventilated area.

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#### 9. Physical and Chemical Properties

Form:	Liquid
Odor:	Mercaptan- like odor
Color:	Slight Yellow
Solubility in Water:	Negligible
Boiling Point:	Not determined
Specific Gravity @25°C:	1.11-1.13
Vapor Pressure @77°C:	Not determined
Flash Point:	>200°F

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#### 10. Reactivity and Stability

Stability:	Stable under normal use conditions.
Hazardous Polymerization:	Will not occur
Incompatibility:	Oxidizers
Conditions to Avoid:	Avoid high temperatures
Hazardous Decomposition Products:	Oxides of carbon, nitrogen, and sulfur; hydrogen sulfide

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## 11. Toxicological Information

Skin Irritation: 4.8 Rating (Scale Maximum = 8) (rabbit)

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## 12. Ecological Information

There is no information available on the environmental effects of this material.

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## 13. Disposal Considerations

Dispose of in accordance with all federal, state and local regulations.

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## 14. Transportation Information

Not considered hazardous for the purposes of transportation.

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## 15. Regulatory Information

SYMBOL(S):	None	
Risk Phrases:	None	
Safety Phrases:	S51	Use only in well ventilated areas
	S23A	Do not breathe vapor
	S22	Do not breathe dust
	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
	S28B	After contact with skin, wash immediately with plenty of water.
	S61	Avoid release to environment

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## 16. Other Information

Complete list of Risk Phrases:

R22	Harmful if swallowed
R36	Irritating to eyes
R38	Irritating to skin
R43	May cause sensitization by skin contact

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