



MATERIAL SAFETY DATA SHEETS  
Part A and Part B

MP 5405 Resin **Part-A** M745-2008, M745-2016, M745-1431

REVISION DATE: 08/08/05

**1. GENERAL INFORMATION**

PRODUCT NAME: MP 5405 Resin Part-A  
 CHEMICAL FAMILY: Epoxy Resin  
 CHEMICAL NAME: Bisphenol A/Epichlorodhydrin Based Epoxy  
 COMPANY INFORMATION: RPM, WFG.  
 3194 Hickory Blvd.  
 Hudson, NC 28638  
 Phone: 828-728-8266

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

**2. COMPOSITION**

INGREDIENT:	CAS#	%
Epoxy Resin	25068-38-6	100

**3. CHEMICAL AND PHYSICAL PROPERTIES**

APPEARANCE: Low Viscosity Paste  
 ODOR: Low Odor  
 SPECIFIC GRAVITY: 1.17  
 BOILING POINT: >500°F  
 SOLUBILITY IN WATER: Negligible  
 VAPOR DENSITY: N/A  
 VAPOR PRESSURE: 0.03 @77 °F  
 COLOR: Black or Clear

**4. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: >480°F (method used PMCC)  
 FLAMMABLE LIMITS: LEL = N/A UEL = N/A  
 Most standard fire fighting agents are suitable eg.  
 EXTINGUISHING MEDIA: Carbon Dioxide, dry chemicals, water  
 SPECIAL FIRE FIGHTING PROCEDURES/  
 UNUSUAL FIRE and EXPLOSION HAZARDS: Fire fighter should wear full protective clothing including a positive pressure self-contained breathing apparatus.

**5. HEALTH HAZARD**

EYE PROTECTION: Flush eyes with water for thirty minutes, prompt medical consultation is essential  
 SKIN CONTACT: Remove the uncured product with a dry cloth or towel, wash thoroughly with soap and water. Consult a Physician if irritation develops.  
 INHALATION: Remove to fresh air if effects occur. Consult a Physician.

INGESTION: INDUCE VOMITING Give large amounts of water or milk if available and transport to medical facility.

**6. REACTIVITY DATA**

STABILITY: Stable  
CONDITIONS TO AVOID: Strong oxidizers, peroxides, halogenated organic compounds, epoxies  
INCOMPATIBILITY: Will not occur  
HAZARDOUS DECOMPOSITION:  
HAZARDOUS POLYMERIZATION:

**7. SPILL OR LEAK & DISPOSAL PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL RELEASE OR SPILLED: Cover spills with dry absorbent material is such as sand or sawdust: scoop up and place in an appropriate container  
WATER DISPOSAL MEHTOD: Bury or incinerate in accordance with EPA Federal, State and Local regulations.

**8. SPECIAL PROTECTION INFORMATION:**

RESPIRATORY: Because of its low volatility this product is likely to be an inhalation  
VENTILATION: Adequate in-plant air movement is sufficient use a NIOSH approved respirator, or a self-contained breathing; apparatus when exposure limits exceed established airborne limits.  
EYES: Safety Glasses w/ side shields or splash goggles  
OTHER PROTECTIVE EQUIPMENT: Wear impervious gloves and protective clothing as necessary to prevent skin contact

**9. SPECIAL PRECAUTIONS**

Storage Temperature: 40-80-°F  
Average Shelf Life: Twelve months in original sealed container  
Special Sensitivity (Heat, light, moisture): Moisture and Excessive heat  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a dry area away from excessive heat

REVISION DATE: 08/08/05

**1. GENERAL INFORMATION**

PRODUCT NAME: MP 5405 Hardener Part-B  
CHEMICAL FAMILY: Mercaptan-Terminated Polymer  
CHEMICAL NAME: Prop.  
SYNONYMS: Mercaptan Polymer  
COMPANY INFORMATION: RPM, WFG.  
3194 Hickory Blvd.  
Hudson, NC 28638  
Phone: 828-728-8266

HMIS	HEALTH 3	FLAMMABILITY 1	REACTIVITY 0
NFPA	HEALTH 3	FIRE HAZARD 1	REACTIVITY 0

**2. COMPOSITION**

INGREDIENT:	CAS#	%	TLV
Mercaptan Polymer	Trade Secret	100	495°F

**3. CHEMICAL AND PHYSICAL PROPERTIES**

APPEARANCE: Low Viscosity Paste  
ODOR: Mercaptan Odor  
SPECIFIC GRAVITY: 1.15  
BOILING POINT: Not Determined  
SOLUBILITY IN WATER: Slight  
VAPOR DENSITY: N/A  
VAPOR PRESSURE: N/A  
COLOR: Yellow

**4. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: N/A  
FLAMMABLE LIMITS: LEL = N/A UEL = N/A  
Most standard fire fighting agents are suitable eg.  
EXTINGUISHING MEDIA: Carbon Dioxide, dry chemicals, water  
SPECIAL FIRE FIGHTING PROCEDURES/  
UNUSUAL FIRE and EXPLOSION HAZARDS: Fire fighter should wear full protective clothing including a positive pressure self-contained breathing apparatus.

**5. HEALTH HAZARD**

EYE PROTECTION: Flush eyes with water for thirty minutes, prompt medical consultation is essential  
SKIN CONTACT: Remove the uncured product with a dry cloth or towel, wash thoroughly with soap and water. Consult a Physician if irritation develops.  
INHALATION: Remove to fresh air if effects occur. Consult a Physician.  
INGESTION: INDUCE VOMITING In general, no treatment is necessary unless large quantities of product are ingested. However, get medical attention.

**6. REACTIVITY DATA**

STABILITY: Stable  
CONDITIONS TO AVOID: Avoid Oxidizing Agents  
INCOMPATIBILITY: N/A

HAZARDOUS DECOMPOSITION:

Ammonia, Oxide, Nitrogen or carbon compound

HAZARDOUS POLYMERIZATION:

Will not occur

**7. SPILL OR LEAK & DISPOSAL PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL RELEASE OR SPILLED:

Cover spills with dry absorbent material is such as sand or sawdust: scoop up and place in an appropriate container

WATER DISPOSAL MEHTOD:

Bury or incinerate in accordance with EPA Federal, State and Local regulations.

**8. SPECIAL PROTECTION INFORMATION:**

RESPIRATORY:

Because of its low volatility this product is likely to be an inhalation

VENTILATION:

Adequate in-plant air movement is sufficient Use a NIOSH approved respirator, or a self-contained breathing; apparatus when exposure limits exceed established airborne limits.

EYES:

Safety Glasses w/ side shields or splash goggles

OTHER PROTECTIVE EQUIPMENT

Wear impervious gloves and protective clothing as necessary to prevent skin contact

**9. SPECIAL PRECAUTIONS**

Storage Temperature:

40-80°F

Average Shelf Life:

Twelve months In original sealed container

Special Sensitivity (Heat, light, moisture):

Moisture and Excessive heat

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store in a dry area away from excessive

**10. TRANSPORTATION INFORMATION**

DOT PROPER SHIPPING NAME: NOT REGULATED

HAZARD CLASS OR DIVISION:NA

PACKING GROUP NUMBER: NA

REQUIRED LABEL: NONE

IDENTIFICATION NUMBER: NA

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