



MATERIAL SAFETY DATA SHEETS
Part A and Part B

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

REVISION DATE: 10/99

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: 10/99

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: 0.03 @77 °F
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. Carbon Dioxide, dry chemicals, water
EXTINGUISHING MEDIA: Fire fighter should wear full protective clothing including a positive pressure self-contained breathing apparatus.
SPECIAL FIRE FIGHTING PROCEDURES/
UNUSUAL FIRE and EXPLOSION HAZARDS:

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:
Average Shelf Life:

40-80-°F
Twelve months In original sealed container

Special Sensitivity
(Heat, light, moisture):
PRECAUTIONS TO BE TAKEN IN
HANDLING AND STORAGE:

Moisture and Excessive heat
Store in a dry area away from excessive

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