

Revised
January 2012



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MATERIAL SAFETY DATA SHEETS

MP 54270 RESIN PART A

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

1. GENERAL INFORMATION

| | |
|------------------|-------------------------|
| PRODUCT NAME: | MP 54270 - RESIN PART A |
| CHEMICAL FAMILY: | Epoxy Resin |
| CHEMICAL NAME: | Mixture |

2. COMPOSITION

| INGREDIENT(S) | CAS # | % |
|---------------------------------|------------|------|
| Epoxy Resin (NLP: 500-033-5) | 25068-38-6 | >85% |

3. CHEMICAL AND PHYSICAL PROPERTIES

| | |
|--|-------------------------|
| FLASH POINT (PMCC) >200F | BOILING POINT >200F |
| VAPOR DENSITY > AIR | EVAPORATION RATE NIL |
| % VOLATILE BY VOL. 0 | SPECIFIC GRAVITY 1.15 |
| SOLUBILITY IN WATER: NEGLIGIBLE | VAPOR PRESSURE < 1mm Hg |
| APPEARANCE AND ODOR: BLACK LIQUID, MILD EPOXY ODOR | |

4. FIRE AND EXPLOSION HAZARD DATA

| | |
|-----------------------------------|---|
| FLASH POINT: | >200°F |
| FLAMMABLE LIMITS: | LEL=N/A UEL=N/A |
| EXTINGUISHING MEDIA: | Water fog, carbon dioxide, foam or dry chemical. |
| SPECIAL FIRE FIGHTING PROCEDURES: | Full protective equipment including self-contained breathing apparatus should be used. Water spray may be used to cool fire exposed container to prevent pressure build-up and possible auto-ignition or rupture. |
| UNUSUAL FIRE & EXPLOSION HAZARDS: | Keep containers tightly closed. Water may be used to cool unruptured containers. |

5. HEALTH HAZARD DATA

| | |
|--|---|
| MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: | Preexisting disorders of the skin and/or eyes. |
| EYE CONTACT: | Contains ingredients which are irritating to the eyes. Symptoms may include blurred vision, burning sensation and tearing. |
| SKIN CONTACT: | Contains materials which cause moderate skin irritation. This product may cause skin sensitization or allergic reactions which may be severe with certain people. Symptoms include rash, itching, hives and swelling of extremities. Prolonged or repeated exposure may cause a defatting or drying action to skin. |
| INHALATION: | Unlikely at room temperature due to low volatility, however heating can generate vapors that may cause respiratory irritation. |
| INGESTION: | Product is harmful if swallowed |



MP 54270 RESIN PART A



6. REACTIVITY DATA

HAZARDOUS POLYMERIZATION:
CONDITIONS TO AVOID:
MATERIALS TO AVOID:

Will not occur.
High temperatures, high humidity.
STRONG OXIDIZING AGENTS; STRONG ACIDS OR BASES.

7. SPILL OR LEAK PROCEDURES

SPILLS:
WASTE DISPOSAL METHOD:

Contain and remove with absorbent material. Avoid contact. **Disposal should be done in accordance with Federal (40 CFR Part 261), State and local regulations. Before attempting clean-up, refer to hazard caution information in other sections of the MSDS form. Use only licensed hazardous waste disposal companies.**

8. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Use approved chemical/mechanical filters designed to remove a combination of particulates and organic vapors in open and restricted areas when ventilation does not meet the requirements of 29 CFR 1910.134. Use approved airline type respirators or hoods in confined areas.

VENTILATION:

Sufficient ventilation in pattern and volume to keep the air contaminant concentration below applicable exposure limits. All application areas should be ventilated in accordance with OSHA regulation 29 CFR 1910.134

PROTECTIVE GLOVES:

Use neoprene or other impervious gloves to prevent skin contact.

EYE PROTECTION:

Use safety glasses with side shields as minimum protection.

OTHER PROTECTIVE EQUIPMENT:

Use protective cream if skin contact is likely. Remove and wash contaminated clothing before reuse. Discard contaminated shoes.

HYGENIC PRACTICES:

Wash hands before eating, smoking or using toilet facilities. Do not smoke in any chemical handling and storage area. Food or beverages should not be consumed anywhere near this product is handled or stored.

9. SPECIAL PRECAUTIONS

STORAGE TEMPERATURE:
AVERAGE SHELF LIFE:
STORAGE:
OTHER:

40-80°F
12 Months in original sealed container
DO NOT store near heat or open flame.
Empty container should not be reused.

10. TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:
HAZARD CLASS OR DIVISION:
PACKING GROUP NUMBER:
REQUIRED LABEL:

NOT REGULATED
NA
NA
NONE

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

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MATERIAL SAFETY DATA SHEETS

MP 54270 RESIN PART B

| | | | | | | |
|--------------|---------------|----------|---------------------|----------|-------------------|----------|
| HMIS; | HEALTH | 3 | FLAMMABILITY | 1 | REACTIVITY | 0 |
| NFPA | HEALTH | 3 | FIRE HAZARD | 1 | REACTIVITY | 0 |

1. GENERAL INFORMATION

| | |
|------------------|-------------------------|
| PRODUCT NAME: | MP 54270 - RESIN PART B |
| CHEMICAL FAMILY: | Polyamine Blend |
| CHEMICAL NAME: | Epoxy Hardener |

2. COMPOSITION

| INGREDIENT(S) | CAS # | % |
|--|------------|-------|
| 4-Nonylphenol (EINECS 284-625-5) | 84852-15-3 | 40-60 |
| 2,2-dimethyl-4,4 methylenebis(cyclohexylamine) (EINECS 229-962-1) | 6864-37-5 | 25-45 |
| Benzyl alcohol (EINECS 202-859-) | 100-51-6 | 10-25 |

3. CHEMICAL AND PHYSICAL PROPERTIES

| | |
|----------------------|------------------|
| APPEARANCE: | Amber Liquid |
| ODOR: | Mild Amine odor. |
| SPECIFIC GRAVITY: | 0.99 |
| BOILING POINT: | >200°F |
| SOLUBILITY IN WATER: | Slight |
| VAPOR DENSITY: | >Air |
| COLOR: | Amber |
| VAPOR PRESSURE : | <1mm Hg |

4. FIRE AND EXPLOSION HAZARD DATA

| | |
|-----------------------------------|---|
| FLASH POINT: | >200°F |
| FLAMMABLE LIMITS: | LEL=N/A UEL=N/A |
| EXTINGUISHING MEDIA: | Water fog, carbon dioxide, foam or dry chemical. |
| SPECIAL FIRE FIGHTING PROCEDURES: | Full protective equipment including self-contained breathing apparatus should be used. Water spray may be used to cool fire exposed container to prevent pressure build-up and possible auto-ignition or rupture. |
| UNUSAL FIRE & EXPLOSION HAZARDS: | Keep containers tightly closed. Water may be used to cool unruptured containers. |

5. HEALTH HAZARD DATA

| | |
|--------------------------|---|
| EFFECTS OF OVEREXPOSURE: | Primarily redness and irritation. |
| ACUTE: SKIN; | May cause skin sensitization. |
| CHRONIC: | Symptoms may include burning sensation, coughing and shortness of breath. |
| ACUTE: INHALATION; | |

6. REACTIVITY DATA

| | |
|---------------------------|---|
| HAZARDOUS POLYMERIZATION: | Will not occur. |
| CONDITIONS TO AVOID: | High temperatures, high humidity. |
| MATERIALS TO AVOID: | STRONG OXIDIZING AGENTS; STRONG ACIDS OR BASES. |

MP 54270 RESIN PART B

7. SPILL OR LEAK PROCEDURES

SPILLS:
WASTE DISPOSAL METHOD:

Contain and remove with absorbent material. Avoid contact. **Disposal should be done in accordance with Federal (40 CFR Part 261), State and local regulations. Before attempting clean-up, refer to hazard caution information in other sections of the MSDS form. Use only licensed hazardous waste disposal companies.**

8. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Avoid breathing vapors/mists. Use approved chemical/mechanical filters designed to remove a combination of particulates and organic vapors in open and restricted areas when ventilation does not meet the requirements of 29 CFR 1910.134. Use approved airline type respirators or hoods in confined areas.

VENTILATION:

Sufficient ventilation in pattern and volume to keep the air contaminant concentration below applicable exposure limits. All application areas should be ventilated in accordance with OSHA regulation 29 CFR 1910.134

PROTECTIVE GLOVES:

Use neoprene or other impervious gloves to prevent skin contact.

EYE PROTECTION:

Use safety glasses with side shields as minimum protection.

OTHER PROTECTIVE EQUIPMENT:

Use protective cream if skin contact is likely. Remove and wash contaminated clothing before reuse. Discard contaminated shoes.

HYGENIC PRACTICES:

Wash hands before eating, smoking or using toilet facilities. Do not smoke in any chemical handling and storage area. Food or beverages should not be consumed anywhere near this product is handled or stored.

9. SPECIAL PRECAUTIONS

STORAGE TEMPERATURE:
AVERAGE SHELF LIFE:
STORAGE:
OTHER:
SPECIAL SENSITIVITY:

20-80°F
12 Months in original sealed container
DO NOT store near heat or open flame.
Empty container should not be reused.
Moisture and Excessive heat.

10. TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:
HAZARD CLASS OR DIVISION:
PACKING GROUP NUMBER:
REQUIRED LABEL:

Polyamines, liquid, corrosive, N.O.S. (N-aminoethyl piperazine, nonyl phenol)
8
III
CORROSIVE

11. EMERGENCY FIRST AID PROCEDURES

Move person to fresh air. Restore breathing. Treat symptomatically. Consult a physician.
(EYES)

Flush eyes with water for at least 15 minutes. Take to a physician for medical treatment.

(SKIN)

Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician if irritation persists.

INGESTION:

Drink one or two glasses of milk or water. Do not induce vomiting. Give medical attention immediately. Never give anything by mouth to an unconscious person.

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