

Safety Data Sheet

Revision Date: 06-05-2015
Product Code: 70715-09

1. IDENTIFICATION

| | |
|---|---|
| Product Name | EPOXY RESIN GENERAL PURPOSE HARDENER Floor Coating |
| Product Code | 70715-09 |
| Document ID | G70715-09 |
| Revision Number | 1 |
| Prior Version Date | None |
| Intended Use | Epoxy Coating Polyamide Co-Reactant |
| Restrictions On Use | For Industrial Use Only |
| Chemical Family | Epoxy Hardener |
| Chemical Manufacturer / Importer | NEOGARD® - a Division of JONES-BLAIR® Company, LLC 2728 Empire Central Dallas, TX 75235 1-214-353-1600 |
| Emergency Telephone Number: | ChemTrec Center 1-800-424-9300 International: 703-527-3887 |

2. HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

Hazard
Pictograms



GHS Classification

Skin Corrosion/Irritation Category 1A
Serious Eye Damage/Eye Irritation Category 1
Skin Sensitisation Category 1
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 1
Acute Toxicity - Inhalation Vapour Category 2
Reproductive Toxicity Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Oral Category 4

Signal Word

Danger

Hazard Statements

Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Fatal if inhaled. Toxic if inhaled. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust, fume, mist, vapours or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection and face protection. Use personal protective

Safety Data Sheet

Revision Date: 06-05-2015
Product Code: 70715-09

equipment as required. Wear respiratory protection.

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| Response | IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Immediately call a POISON CENTER or physician. Get medical attention if you feel unwell. Rinse mouth. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse. |
| Storage | Store in a well-ventilated place. Keep container tightly closed. Store locked up. |
| Disposal | Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Hazards Not Otherwise Classified (HNOC) | Not applicable |
| Additional Information | Not applicable |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Chemical Component</u> | <u>CAS #</u> | <u>%</u> |
|--------------------------------------|--------------|-----------|
| 4-Nonylphenol | 84852-15-3 | 10 - 30 |
| Polyoxypropylenediamine | 9046-10-0 | 10 - 30 |
| Benzyl alcohol | 100-51-6 | 10 - 30 |
| Modified Polyamidoamine | 68605-86-7 | 10 - 30 |
| 3-amino methyl-3,5,5 Trimethyl Amine | 2855-13-2 | 7 - 13 |
| Bisphenol A | 80-05-7 | 1 - 5 |
| Diethylenetriamine | 111-40-0 | 1 - 5 |
| Triethylenetetramine | 112-24-3 | 1 - 5 |
| Salicylic acid | 69-72-7 | 0.5 - 1.5 |

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

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| Inhalation | Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration. Get medical attention immediately. |
| Eye Contact | Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. This corrosive material can cause immediate and permanent eye damage. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician. |
| Skin Contact | Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. Thoroughly wash or discard clothing and shoes before reuse. |
| Ingestion | Corrosive. Do not induce vomiting! Drink one glass of water followed by milk if available. Seek medical attention immediately and give the medical care provider with this MSDS. Never give anything by mouth to an unconscious person. |

Safety Data Sheet

Revision Date: 06-05-2015
Product Code: 70715-09

Most Important Acute Symptoms and Effects Not Available
Most Important Delayed Symptoms and Effects Not Available
Special treatment needed: No additional first aid information available

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Unsuitable Extinguishing Media No data available

Fire and/or Explosion Hazards Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire. Container may explode in heat of fire.

Hazardous Combustion Products Carbon monoxide, Nitrogen containing gases, Carbon dioxide, Ammonia, Phenol

Special Protective Equipment and Precautions for Fire-Fighters Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.
Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section VIII of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Methods and Material for Containment and Cleaning Up Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal. This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

7. HANDLING AND STORAGE

Precautions for Safe Handling Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse.

Conditions for Safe Storage Store in a cool dry place. Keep container(s) closed.

Materials to Avoid/Chemical Incompatibility Oxidizing agents, Acids, Aluminum alloys, Isocyanates, Anhydrides, Acrylates, Aldehydes, Alcohols, Halogenated Hydrocarbons, Ketones, Nitrites, Lead acetate, Iron Salts, Iodine, Spirit nitrous ether

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Safety Data Sheet

Revision Date: 06-05-2015
Product Code: 70715-09

| <u>Chemical Component</u> | <u>OSHA PEL</u> | <u>ACGIH TLV-TWA</u> | <u>ACGIH STEL</u> |
|---------------------------|--|---------------------------------|-------------------|
| Diethylenetriamine | | 1ppm, 4.2mg/m ³ TWA | |
| Salicyclic acid | 5mg/m ³ (respirable); 15mg/m ³ (total dust) | 3mg/m ³ (respirable) | |

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| Appropriate Engineering Controls | Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Facilities storing or using this material should be equipped with an eyewash and safety shower. |
| Respiratory Protection | General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use. |
| Eye Protection | Wear chemical splash goggles when handling this product. Additionally, wear a face shield when the possibility of splashing of liquid exists. Do not wear contact lenses. Have an eye wash station available. |
| Skin Protection | Avoid all skin contact by covering as much of the exposed skin area as possible with appropriate clothing to prevent skin contact. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact. |
| General Hygiene Conditions | As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---------------------------------------|
| Appearance | |
| Physical State | Liquid |
| Odor | Ammonia Like, Aromatic |
| Odor Threshold | No data available |
| pH | No data available |
| Melting Point/Freezing Point (°F/°C) | No data available / No data available |
| Initial Boiling Point and Boiling Range | |
| Low (°F) | 392.0 |
| High (°F) | 591.0 |
| Flash Point (°F/°C) | 205 / 96 |
| Evaporation Rate | > 1.00 Ethyl Ether |
| Flammability (solid, gas) | No data available |
| Upper Flammable/Explosive Limit | 5.0 |
| Lower Flammable/Explosive Limit | 0.7 |
| Vapor Pressure | 1.00 |
| Vapor Density | 7.40 (air = 1) |
| Relative Density | 1.045 |
| Solubility in Water | Low; 10-39% |
| Partition coefficient: n-octanol/water | No data available |
| Auto-ignition Temperature | No data available |
| Decomposition Temperature: | No data available |
| Volatiles, % by volume | 0.00 |
| Volatiles, % by weight | 0.00 |
| Volatile Organic Chemicals (g/L) | |
| (Regulatory, Calculated) | 0.00 |
| (Actual, Calculated) | 0.00 |
| Density | 8.05 - 8.25 lbs./Gal |

10. STABILITY AND REACTIVITY

Safety Data Sheet

Revision Date: 06-05-2015
Product Code: 70715-09

Chemical stability
Possibility of Hazardous Reactions
Conditions to Avoid

Stable under normal conditions.

No data available

Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Contamination. High humidity, Oxidizing agents, Acids, Aluminum alloys, Isocyanates, Anhydrides, Acrylates, Aldehydes, Alcohols, Halogenated Hydrocarbons, Ketones, Nitrites, Lead acetate, Iron Salts, Iodine, Spirit nitrous ether

Incompatible Materials

Hazardous Decomposition Products

Carbon monoxide, Nitrogen containing gases, Carbon dioxide, Ammonia, Ammonia, Ethylenediamine, Amines, Phenol

11. TOXICOLOGICAL INFORMATION

Routes of Exposure

Inhalation
Skin absorption
Ingestion
Eye contact
Skin contact

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation

Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Causes nose and throat irritation. Causes lung irritation. May cause respiratory tract irritation. Irritating to the nose, throat, and respiratory tract.

Inhalation Toxicity

May cause allergic respiratory reaction.

Skin Contact

Causes skin burns. Corrosive to skin tissue. Can cause chemical burns. May cause allergic skin reaction.

Skin Absorption

Sensitizer. Avoid exposure. If sensitized, repeated exposures will result in irritation, reddening, and rashes even for very low exposures.

Eye Contact

May be harmful if absorbed through skin. Contains a substance which may result in absorption of harmful amounts upon prolonged or widespread contact.

Ingestion Irritation

Corrosive to eye tissue. Can cause severe irritation, tearing, and burns that can quickly lead to permanent injury including blindness. Can cause substantial irritation.

Ingestion Toxicity

Severely irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Harmful if swallowed. This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

Long-Term (Chronic) Health Effects

Inhalation

Upon prolonged and/or repeated exposure, can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Overexposure may cause lung damage. Prolonged and continuous exposure to an excessive concentration has been shown to affect respiratory function. This effect may be severe. Overexposure may cause respiratory tract damage.

Skin Contact

Upon prolonged or repeated contact can cause severe irritation, defatting, and dermatitis. May cause lingering effects but not likely to result in permanent damage if the exposure is eliminated. Prolonged contact may cause an allergic skin reaction.

Skin Absorption

Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage.

Product Toxicology Data

Dermal Acute Toxicity Estimate (ATE)

2,008.05 mg/kg

Safety Data Sheet

Revision Date: 06-05-2015
Product Code: 70715-09

Component Toxicology Data

| Chemical Component | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------------------|---|---|---------------------------------------|
| 4-Nonylphenol | Oral LD50 Rat 580 mg/kg | Dermal LD50 Rabbit 2140 mg/kg | |
| Polyoxypropylenediamine | Oral LD50 Rat 1100 mg/kg | Dermal LD50 Rabbit 1550 mg/kg | |
| Benzyl alcohol | Oral LD50 Rat 1360 mg/kg | Dermal LD50 Rabbit 2000 mg/kg | Inhalation LC50 (8h) Rat 1,000.00 ppm |
| 3-amino methyl-3,5,5 Trimethyl Amine | Oral LD50 Rat 1030 mg/kg | Dermal LD50 Rat > 2000 mg/kg | Inhalation LC50 (4h) Rat > 5.01 mg/L |
| Bisphenol A | Oral LD50 Rat 3250 mg/kg | Dermal LD50 Rabbit 3000 mg/kg | |
| Diethylenetriamine | Oral LD50 Rat 1080 mg/kg | Dermal LD50 Rabbit 1090 mg/kg | Inhalation LC50 (4h) Rat 0.30 mg/L |
| Salicyclic acid | Oral LD50 Rat 891 mg/kg Oral LD50 Mouse 480 mg/kg Oral LD50 Rabbit 1300 mg/kg | Dermal LD50 Rabbit > 10,000 mg/kg Dermal LD50 Rat > 2000 mg/kg | |

Carcinogen Information

| Chemical Name | IARC Carcinogen | OSHA Carcinogen | NTP Carcinogen |
|----------------|-----------------|-----------------|----------------|
| Not applicable | | | |

12. ECOLOGICAL INFORMATION

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|--|--|
| Ecotoxicity (aquatic and terrestrial, where available) | No data available Components of this product are hazardous to wildlife and aquatic life. |
| Mobility in soil | No data available |

13. DISPOSAL CONSIDERATIONS

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|------------------------|---|
| Safe Handling of Waste | Refer to other sections of this SDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations. |
|------------------------|---|

14. TRANSPORT INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

| | |
|------------------------|--|
| DOT Basic Description: | Paint Related Material |
| Hazard Class: | 8 |
| UN Number: | UN3066 |
| Packing Group: | III |
| Other: | This product qualifies for a limited quantity exception per CFR173.154(b)(2) for inner containers <= 1.3 gallon (5L) net capacity for liquids and packed in strong outer packagings. |

| | |
|-------------------------|------------------------|
| IATA Air Shipping Name: | Paint Related Material |
| IATA Hazard Class: | 8 |
| IATA UN Number: | UN3066 |
| IATA Packing Group: | III |

| | |
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| IMO Shipping Name: | Paint Related Material |
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Safety Data Sheet

Revision Date: 06-05-2015
Product Code: 70715-09

IMO Hazard Class: 8
IMO UN Number: UN3066
IMO Packing Group: III

Marine Pollutant: Y

15. REGULATORY INFORMATION

TSCA Status All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

Regulated Components

SARA EHS Chemicals

| | <u>CAS #</u> | <u>%</u> |
|--------|--------------|------------|
| Phenol | 108-95-2 | 0.01 - 0.1 |

CERCLA

Not applicable

SARA 313

| | | |
|-----------------------------|---------|-------|
| 4,4'-Isopropylidenediphenol | 80-05-7 | 1 - 5 |
|-----------------------------|---------|-------|

SARA 311/312

| | |
|-------------------|---|
| Health (Acute): | Y |
| Health (chronic): | Y |
| Fire (Flammable): | N |
| Pressure: | N |
| Reactivity: | N |

U. S. State Regulations:

California Prop 65 Chemicals

| | <u>CAS #</u> | <u>%</u> |
|----------------|--------------|----------|
| Cancer | | |
| Not applicable | | |
| Reproductive | | |
| Bisphenol A | 80-05-7 | 1 - 5 |

Canadian Regulations:

CEPA DSL: The components of this product ARE listed on the Canadian Domestic Substances List.

WHMIS Hazard Class: D2A E

16. OTHER INFORMATION

Revision Date 06-05-2015

Disclaimer This SDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.