

Safety Data Sheet

Revision Date: 06-25-2015
Product Code: 70705

1. IDENTIFICATION

| | |
|---|---|
| Product Name | NOVOLAC EPOXY CO-REACTANT |
| Product Code | 70705 |
| Document ID | G70705 |
| Revision Number | 1 |
| Prior Version Date | None |
| Intended Use | Industrial Maintenance Floor Coating |
| 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 Acute Toxicity - Inhalation Vapour 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. Toxic if inhaled. |
|--------------------------|---|

Precautionary Statements

| | |
|-------------------|--|
| Prevention | 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. |
|-------------------|--|

| | |
|-----------------|---|
| 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. Immediately call a POISON CENTER or physician. Rinse mouth. If skin |
|-----------------|---|

Safety Data Sheet

Revision Date: 06-25-2015

Product Code: 70705

| | |
|--|---|
| | 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> |
|--------------------------------------|--------------|----------|
| Benzyl alcohol | 100-51-6 | 40 - 60 |
| 3-amino methyl-3,5,5 Trimethyl Amine | 2855-13-2 | 15 - 40 |
| Salicyclic acid | 69-72-7 | 1 - 5 |

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

4. FIRST-AID MEASURES

| | |
|---------------------|---|
| 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 | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately. |
| Skin Contact | Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. |
| 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. |

| | |
|--|---|
| 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 dioxide, Carbon monoxide, Nitrogen containing gases, 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. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. |

Safety Data Sheet

Revision Date: 06-25-2015

Product Code: 70705

Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.

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.

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 Materials to Avoid/Chemical Incompatibility

Store in a cool dry place. Keep container(s) closed. Acids, Aluminum alloys, Oxidizing agents, Isocyanates, Anhydrides, Lead acetate, Iron Salts, Iodine, Spirit nitrous ether

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

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

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 safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. 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

Safety Data Sheet

Revision Date: 06-25-2015

Product Code: 70705

dangerous. Remove contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---------------------------------------|
| Appearance | |
| Physical State | Liquid |
| Color | Colorless |
| Odor | Aromatic, Ammonia Like |
| 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) | 401.5 |
| High (°F) | 476.6 |
| Flash Point (°F/°C) | 205 / 96 |
| Evaporation Rate | > 1.00 Ethyl Ether |
| Flammability (solid, gas) | No data available |
| Upper Flammable/Explosive Limit | No data available |
| Lower Flammable/Explosive Limit | 1.2 % |
| Vapor Pressure | 0.10 (mm Hg @ 77°F / 25° C) |
| Vapor Density | No data available |
| 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 | 0.01 |
| Volatiles, % by weight | 0.00 |
| Volatile Organic Chemicals (g/L) | |
| (Regulatory, Calculated) | 0.00 |
| (Actual, Calculated) | 0.00 |
| Density | 8.45 - 8.65 lbs./Gal |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Chemical stability | Stable under normal conditions. |
| Possibility of Hazardous Reactions | No data available |
| Conditions to Avoid | Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Contamination. High humidity, |
| Incompatible Materials | Acids, Aluminum alloys, Oxidizing agents, Isocyanates, Anhydrides, Lead acetate, Iron Salts, Iodine, Spirit nitrous ether |
| Hazardous Decomposition Products | Carbon dioxide, Carbon monoxide, Nitrogen containing gases, Ammonia, 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. Irritating to the nose, throat, and respiratory tract. |
| Skin Contact | Corrosive to skin tissue. Can cause chemical burns. Sensitizer. Avoid |

Safety Data Sheet

Revision Date: 06-25-2015

Product Code: 70705

Skin Absorption
Eye Contact

exposure. If sensitized, repeated exposures will result in irritation, reddening, and rashes even for very low exposures.
May be harmful if absorbed through skin.
Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible. Can cause substantial irritation.

Ingestion Irritation

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

Ingestion Toxicity

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.

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) 2,039.65 mg/kg

Component Toxicology Data

| Chemical Component | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------------------|---|---|---------------------------------------|
| 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 |
| Salicylic 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

Not applicable

IARC Carcinogen

OSHA Carcinogen

NTP Carcinogen

12. ECOLOGICAL INFORMATION

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

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.

Safety Data Sheet

Revision Date: 06-25-2015
Product Code: 70705

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: Polyamines, liquid, corrosive, n.o.s. (contains 3-amino methyl-3,5,5 Trimethyl Amine)
Hazard Class: 8
UN Number: UN2735
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.

Marine Pollutant: No

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

CAS # %

Not applicable

CERCLA

Not applicable

SARA 313

Not applicable

SARA 311/312

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

U. S. State Regulations:

California Prop 65 Chemicals

Cancer

CAS # %

Not applicable

Reproductive

Not applicable

Canadian Regulations:

CEPA DSL:

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

WHMIS Hazard Class:

D2B E

16. OTHER INFORMATION

Revision Date

06-25-2015

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

Safety Data Sheet

Revision Date: 06-25-2015

Product Code: 70705

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.