

Safety Data Sheet

Revision Date: 09-18-2015
Product Code: 7741

1. IDENTIFICATION

Product Name	EPOXY HARDENER	
Product Code	7741	
Document ID	G7741	
Revision Number	1	
Prior Version Date	None	
Intended Use	Epoxy Coating Polyamine 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	Distributed By:
	International: 703-527-3887	Distribué Par:
		Polysource Industries Inc.
		#1 - 19725 Telegraph Trail
		Langley, BC V1M 3E6
		Tel: (877) 986-8688

2. HAZARD(S) IDENTIFICATION

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

Hazard Pictograms



GHS Classification

Respiratory Sensitisation Category 1
Skin Sensitisation Category 1
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2
Acute Toxicity - Dermal Category 4

Signal Word

Danger

Hazard Statements

Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements

Prevention

Avoid breathing dust, fume, mist, vapours or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection and face protection. In case of inadequate ventilation wear respiratory protection.

Response

IF ON SKIN: Wash with plenty of soap and water. IF INHALED: If breathing is difficult, 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. Call a POISON CENTER or physician if you feel unwell. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. If experiencing respiratory symptoms: Call a POISON CENTER or physician.

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Take off contaminated clothing and wash before reuse.

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>
Alkyl Phenol Polyamine	NAV	90 - 99
2,4,6-Tri(dimethylaminomethyl)phenol	90-72-2	3 - 7
Ethylenediamine	107-15-3	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	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 under a drench shower. Remove contaminated clothing, laundry immediately, and discard contaminated leather goods. Get medical attention immediately.
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.
Hazardous Combustion Products	Carbon monoxide, Nitrogen containing gases
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.

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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.

Conditions for Safe Storage Materials to Avoid/Chemical Incompatibility

Store in a cool dry place. Keep container(s) closed.
Oxidizing agents, Chlorinated compounds, Acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

<u>Chemical Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH STEL</u>
Alkyl Phenol Polyamine			
Ethylenediamine	10 ppm TWA; 25 mg/m3 TWA	10 ppm TWA; 25 mg/m3 TWA	

Appropriate Engineering Controls

Local exhaust ventilation, process enclosures, or other engineering controls are necessary when handling or using this product to avoid overexposure. Engineering controls must be designed to control vapor concentrations to below levels published in 29 CFR 1910.1000. Explosion proof exhaust ventilation should be used. 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. Where splashing is possible, full chemically resistant protective clothing including a full chemically resistant suit and boots are required.

General Hygiene Conditions

As with all chemicals, good industrial hygiene practices should be followed when handling this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

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Physical State	Liquid
Odor	Amine-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)	601.0
High (°F)	601.0
Flash Point (°F/°C)	205 / 96
Flammability (solid, gas)	No data available
Upper Flammable/Explosive Limit	No data available
Lower Flammable/Explosive Limit	No data available
Vapor Pressure	0.01
Vapor Density	9.16
Relative Density	0.898
Solubility in Water	Minimal; 1-9%
Partition coefficient: n-octanol/water	Not Available
Auto-ignition Temperature	No data available
Decomposition Temperature:	No data available
Viscosity	1,400 - 2,800 CPS
Volatiles, % by volume	2.17
Volatiles, % by weight	2.11
Volatile Organic Chemicals (g/L)	
(Regulatory, Calculated)	20.85
(Actual, Calculated)	20.85
Density	8.13 - 8.33 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.
Incompatible Materials	Oxidizing agents, Chlorinated compounds, Acids
Hazardous Decomposition Products	Carbon monoxide, Nitrogen containing gases

11. TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation Skin absorption Ingestion Skin contact Eye contact
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Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation	Can be corrosive to the respiratory tract causing severe irritation and tissue damage.
Inhalation Toxicity	Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. May cause allergic respiratory reaction. Sensitizer! Avoid exposure. If sensitized, exposure below the published exposure limits (e.g. TLV or PEL) can result in respiratory irritation, shortness of breath and difficulty breathing. These asthma-type symptoms may develop immediately or be delayed up to several hours.
Skin Contact	Causes skin burns. Corrosive to skin tissue. Can cause chemical burns.
Skin Absorption	Highly toxic if absorbed through the skin. Likely to cause significant systemic damage even if small quantities are absorbed through skin. May be fatal if a large quantity is absorbed. May be harmful if absorbed through skin.

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Eye Contact

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

Ingestion Toxicity

Highly toxic if swallowed. May cause target organ failure and/or death even at a low dose. Corrosive to tissue. Can cause severe and permanent damage to mouth, throat, stomach. Aspiration may lead to lung damage.

Long-Term (Chronic) Health Effects

Inhalation

Upon prolonged and/or repeated exposure, can be corrosive to the respiratory tract causing severe irritation and tissue damage. Upon prolonged and/or repeated exposure, can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Overexposure may cause lung damage.

Skin Contact

Upon prolonged or repeated contact, corrosive to skin tissue. Can cause chemical burns.

Skin Absorption

Upon prolonged or repeated exposure, toxic if absorbed through the skin. Likely to cause systemic damage.

Product Toxicology Data

Oral Acute Toxicity Estimate (ATE)

6,877.26 mg/kg

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
Alkyl Phenol Polyamine	Oral LD50 Rat > 2000 mg/kg	Dermal LD50 Rabbit 2000 mg/kg	
2,4,6-Tri(dimethylaminomethyl)phenol	Oral LD50 1200 mg/kg	Dermal LD50 1280 mg/kg	
Ethylenediamine	Oral LD50 Rat 470 mg/kg	Dermal LD50 Rabbit 730 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

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.

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, Not-Regulated

Marine Pollutant: No

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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>
Ethylenediamine	107-15-3	1 - 5

CERCLA

	<u>CAS #</u>	<u>%</u>
Ethylenediamine	107-15-3	1 - 5

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

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

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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.