Safety Data Sheet

Revision Date: 06-18-2015
Product Code: 70715-01

1. IDENTIFICATION

Product Name	**FAST-CURE EPOXY CATALYST**
Product Code	70715-01
Document ID	G70715-01
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 Reproductive Toxicity Category 2 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. Suspected of damaging fertility or the unborn child.

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 no 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 equipment as required.
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. 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

Chemical Component	CAS #	%
4-Nonylphenol	84852-15-3	10 - 30
Benzyl alcohol	100-51-6	5 - 10
3-amino methyl-3,5,5 Trimethyl Amine	2855-13-2	5 - 10
Trimethylhexamethylenediamine	25620-58-0	3 - 7
Salicyclic acid	69-72-7	1 - 5
M-Aminoethylpiperazine	140-31-8	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. 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.

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, Aldehydes, Ketones
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	Acids, Aluminum alloys, Oxidizing agents, Isocyanates, Anhydrides, Lead acetate, Iron Salts, Iodine, Spirit nitrous ether

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical Component	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL
m-xylenediamine			0.1mg/m^3, skin, ceiling
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 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
Color	Not Available
Odor	Aromatic, Ammonia Like, Amine-Like.
Odor Threshold	No data available
pH	No data available
Melting Point/Freezing Point (℉/℃)	No data available / No data available
Initial Boiling Point and Boiling Range	
Low (℉)	401.5
High (℉)	591.0
Flash Point (℉/℃)	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 / 25º C)
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
Viscosity	800 - 1,700 CPS
Volatiles, % by volume	0.00
Volatiles, % by weight	0.00
Volatile Organic Chemicals (g/L)	
(Regulatory, Calculated)	0.00
(Actual, Calculated)	0.00
Density	8.28 - 8.48 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, Aldehydes, Ketones

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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.

Inhalation Toxicity Inhalation of high concentrations may be corrosive with symptoms of coughing, burning, ulceration and pain.

Skin Contact Causes skin burns. Corrosive to skin tissue. Can cause chemical burns. May cause allergic skin reaction.
Sensitizer. Avoid exposure. If sensitized, repeated exposures will result in irritation, reddening, and rashes even for very low exposures.

Skin Absorption May be harmful if absorbed through skin.

Eye Contact 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 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.
Contains material that is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Skin Contact Upon prolonged or repeated contact can cause severe irritation, defatting, and dermatitis. May cause lingering affects 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) 3,715.22 mg/kg

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
4-tert-butylphenol	Oral LD50 Rat 5660 mg/kg	Dermal LD50 Rabbit 2520 mg/kg	
4-Nonylphenol	Oral LD50 Rat 580 mg/kg	Dermal LD50 Rabbit 2140 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

Trimethylhexamethylenediamine	Oral LD50 Rat 910 mg/kg		
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	
M-Aminoethylpiperazine	Oral LD50 Rat 2140 mg/kg	Dermal LD50 Rabbit 866 mg/kg	

Carcinogen Information

Chemical Name	IARC Carcinogen	OSHA Carcinogen	NTP Carcinogen
Not applicable			

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.

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

IMO Shipping Name: Paint Related Material
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	CAS #	%

Phenol	108-95-2	0.01 - 0.1

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	06-18-2015
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.