

Material Safety Data Sheet

Revision Date: 03-17-2011
Product Code: 70714-02

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: EPOXY RESIN GRAY
Product Code: 70714-02
Document ID: M70714-02
Company: NEOGARD® - a Division of JONES-BLAIR® Company
2728 Empire Central
Dallas, TX 75235
1-214-353-1600

Revision Number: 4
Prior Version Date: 02-14-2008
Chemical Family: Epoxy Coating
Intended use: Industrial Maintenance Floor Coating
Emergency Contact: ChemTrec Center
Emergency Phone: 1-800-424-9300
International: 703-527-3887

II. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **WARNING!**
May cause allergic skin reaction.
Causes eye irritation.
May be harmful if absorbed through skin.
Harmful if inhaled.

Routes of Entry:

- Ingestion
- Skin contact
- Eye contact
- Inhalation

Target Organs Potentially Affected by Exposure:

- Skin
- Eyes
- Respiratory Tract

Medical Conditions Aggravated by Exposure:

- Skin disorders.
- Respiratory disorders, including but not limited to asthma and bronchitis.
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Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Causes lung irritation. Causes nose and throat irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

Skin Contact: Causes skin irritation. May cause allergic skin reaction.

Eye Contact: Causes eye irritation.

Ingestion Toxicity: Harmful if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity: Contains Titanium Dioxide which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence with respect to humans and sufficient evidence in experimental animals.

Possible cancer hazard. Contains carbon black which may cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure.)

Skin Contact: Prolonged contact may cause an allergic skin reaction.

III. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #
Oxirane based epoxy homopolymer	40 - 60	25085-99-8

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Talc	10 - 30	14807-96-6
Oxirane, mono[(C12-14-alkyloxy)methyl] derivatives	5 - 10	68609-97-2
Titanium dioxide	5 - 10	13463-67-7
Carbon black	0.1 - 1	1333-86-4

IV. FIRST-AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
Eyes:	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. Thoroughly wash or discard clothing and shoes before reuse.
Ingestion:	If swallowed, do not induce vomiting. Get medical attention immediately.

V. FIRE FIGHTING MEASURES

Extinguishing Media:	Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
Fire and/or Explosion Hazards:	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
Fire Fighting Methods and Protection:	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.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide, Aldehydes
Flash Point (°F/°C):	201 / 94

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. See MSDS sections III, XIII and XV for disposal considerations.
Methods for Clean-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.

VII. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Overexposure may be harmful. As with all chemicals, good industrial hygiene practices should be followed when handling this material.
Storage Technical Measures and Conditions:	Store in a cool dry place. Keep container(s) closed.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:	Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure.
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 chemically resistant 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

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Skin Protection:

material. Have an eye wash station available.

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. Wear chemical resistant gloves.

Control Parameters:

Chemical Name	ACGIH TLV-TWA	ACGIH STEL	OSHA PEL-TWA
Talc	20 mppcf TWA		2mg/m ³ (Respirable Dust)
Titanium dioxide	10 mg/m ³ TWA		15 mg/m ³ TWA (total dust)
Carbon black	3.5 mg/m ³ TWA		3.5 mg/m ³ TWA

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Boiling Point - High (°F):	300.0
Vapor Pressure:	< 13.3 PA @ 77° F (25° C)
VOC (g/l) (Regulatory, Calculated):	10.68
(Actual, Calculated):	10.68
Viscosity:	1800 - 2400 CPS
Solubility in Water:	Minimal; 1-9%
Octanol/Water Partition Coefficient:	Not Available
Volatiles, % by Volume (Calculated):	1.41
Volatiles, % by weight (Calculated):	0.88
Density:	10.73 - 10.93 lbs./Gal.

Physical and Chemical Properties are calculated target or range values for single packaged items and do not represent compliance values for multi-component (mixed) systems.

X. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
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.
Materials to Avoid/Chemical Incompatibility:	Oxidizing agents, Acids, Amines, Caustics (bases, alkalis)
Polymerization:	Will not occur.
Hazardous Decomposition Products:	Carbon dioxide, Carbon monoxide, Aldehydes

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data:

Chemical Name	CAS Number	LD50/LC50
Oxirane based epoxy homopolymer	25085-99-8	Oral LD50 Rat > 5000 mg/kg Dermal LD50 Rabbit 4000 mg/kg
Oxirane, mono[(C12-14-alkyloxy)methyl] derivatives	68609-97-2	Oral LD50 Rat > 2000 mg/kg Dermal LD50 > 2000 mg/kg Inhalation LC50 > 5 mg/L
Titanium dioxide	13463-67-7	Oral LD50 Rat > 25 g/kg Dermal LD50 Rabbit > 10 g/kg Inhalation LC50 (4h) Rat > 6.82 mg/L

Carcinogens:

Chemical Name	CAS Number	IARC	NTP	OSHA
Titanium dioxide	13463-67-7	2B		
Carbon black	1333-86-4	2B		

XII. ECOLOGICAL INFORMATION

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Toxicity data, if available, are listed below.

XIII. DISPOSAL CONSIDERATIONS

Disposal Methods: Refer to other sections of this MSDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

XIV. TRANSPORTATION 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, Not-Regulated

XV. REGULATORY INFORMATION

United States Federal Regulations:

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

SARA EHS Chemicals	CAS #	%
Epichlorohydrin	106-89-8	< 10 ppm

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 #	%
Carbon Black	1333-86-4	0.1 - 1
Ethyl Benzene	100-41-4	0.001- 0.01
Phenyl glycidyl ether	122-60-1	< 10 ppm
1-Chloro-2,3-epoxypropane	106-89-8	< 10 ppm
Benzene	71-43-2	< 10 ppb
Reproductive		
Toluene	108-88-3	< 1 ppm
Benzene	71-43-2	< 10 ppb

Canadian Regulations:

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

WHMIS Hazard Class: D2A

XVI. ADDITIONAL INFORMATION

Prepared By: Regulatory Department

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Disclaimer:

This MSDS 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.

Print Date:

March 17, 2011