

SAFETY DATA SHEET

SECTION 1 PRODUCT and COMPANY IDENTIFICATION

Product Name: MoxyEpoxy+ Part B
Product I.D:
Product Use: Waterproof Coating
Emergency: 1-800-262-8200

Distr: Nash Distribution
13659 East Main St.
Reynoldsburg, OH 43068
Ph: (800) 288-0831

SECTION 2 HAZARDS IDENTIFICATION

Hazard classification

This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Skin irritation - Category 2
Eye irritation - Category 2B
Skin sensitisation - Sub-category 1B

Label elements Hazard pictograms

Signal word: WARNING! Hazards

Causes skin and eye irritation.

May cause an allergic skin reaction.

Precautionary statements Prevention

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

Wash skin thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves.

Response

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If skin irritation or rash occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention.

Take off contaminated clothing and wash before reuse.

Disposal Dispose of contents/ container to an approved waste disposal plant.

Other hazards No data available

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Wt %	OSHA PEL	ACGH TLV
Propane, 2,2-bis[p-(2,3- epoxypropoxy) phenyl]-, polymers	25085-99-8	20-35	NE	NE
Rutile Titanium Dioxide	13463-67-1	20-35	15mg/m3	10 mg/m3
Calcium Carbonate	1317-65-3	20-35	15 mg/m3	10 mg/m3

SECTION 4 FIRST AID MEASURES

Eyes: Flush with water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses if present and possible. Consult physician if irritation develops or persists.

Skin: **PROMPTLY** wash skin with soap and water. Do not wash with solvents. Remove contaminated clothing. Seek medical attention if irritation develops or persists.

Inhalation: Remove person to fresh air. Keep in comfortable position for breathing. Administer oxygen or artificial respiration if needed to improve breathing. Seek medical attention.

Ingestion: Rinse mouth with water. Give plenty of water to drink if material swallowed. Do not induce vomiting. Never give anything by mouth to unconscious person. Seek medical attention immediately.

SECTION 5 FIREFIGHTING MEASURES

Flammable Properties: Not flammable but material may burn.

Extinguishing Media: Foam, CO₂, dry chemical, water spray

Protection for Firefighters: Wear full protective gear including NIOSH approved self contained breathing apparatus

NFPA – Ratings for this product are unavailable.

HMIS – Ratings for this product are unavailable.

Fire and Explosion Hazards: Combustion products may be hazardous. Cool storage containers with water spray to prevent pressure build-up.

SECTION 6 ACCIDENTIAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective clothing.

Environmental Precautions: Prevent entry into sewers or waterways.

Clean-up Methods: Wear appropriate protective clothing. Stop spill and dike to prevent spreading. Cover spill with absorbent material and collect in containers. Clean contaminated areas with detergent and water.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin or clothing. Avoid breathing vapor or mist. Do not taste or swallow.

Storage: Keep containers tightly closed. Store in a cool dry place. Do not allow product to freeze as containers may rupture.

SECTION 8 PERSONAL PROTECTION

Eye: Goggles with side shields. Maintain an eye wash station or supply of clean water.

Skin: Wear chemical resistant gloves. Wash contaminated clothing before reuse.

Respiratory: Wear NIOSH approved respirator for spray applications.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	viscous Liquid
Physical state.	
Color	White Liquid
Odor	Odorless to mild
Odor Threshold	No test data available
pH	No test data available
Melting point/range	Not applicable
Freezing point	No test data available
Boiling point (760 mmHg)	320 °C (608 °F) Differential Scanning Calorimetry (DSC) Decomposition Flash point closed cup
Evaporation Rate (Butyl Acetate = 1)	No test data available
Flammability (solid, gas)	No
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable

SECTION 10 STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions. See Storage, Section 7.

Possibility of hazardous reactions: Will not occur by itself. Masses of more than one pound (0.5 kg) of product plus an aliphatic amine will cause irreversible polymerization with considerable heat buildup.

Conditions to avoid: Avoid short term exposures to temperatures above 300 °C Potentially violent decomposition can occur above 350 °C Avoid prolonged exposure to temperatures above 250 °C Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can be rapid

Incompatible materials: Avoid contact with oxidizing materials. Avoid contact with: Acids. Bases. Avoid unintended contact with amines.

Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Gases are released during decomposition. Uncontrolled exothermic reaction of epoxy resins release phenolics, carbon monoxide, and water.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

LD50, Rat, > 15,000 mg/kg

Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

LD50, Rabbit, 23,000 mg/kg

Acute inhalation toxicity

At room temperature, exposure to vapor is minimal due to low volatility. Vapor from heated material, mist or aerosols may cause respiratory irritation.

The LC50 has not been determined.

Skin corrosion/irritation

Prolonged contact may cause skin irritation with local redness. Repeated contact may cause skin irritation with local redness.

Serious eye damage/eye irritation

May cause eye irritation.

Corneal injury is unlikely.

Sensitization

For similar material(s): Has caused allergic skin reactions in humans.

Has demonstrated the potential for contact allergy in mice.

For respiratory sensitization: No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

Except for skin sensitization, repeated exposures to low molecular weight epoxy resins of this type are not anticipated to cause any significant adverse effects.

Carcinogenicity

Many studies have been conducted to assess the potential carcinogenicity of diglycidyl ether of bisphenol A (DGEBA). Indeed, the most recent review of the available data by the International Agency for Research on Cancer (IARC) has concluded that DGEBA is not classified as a carcinogen. Although some weak evidence of carcinogenicity has been reported in animals, when all of the data are considered, the weight of evidence does not show that DGEBA is carcinogenic.

Teratogenicity

Resins based on the diglycidyl ether of bisphenol A (DGEBA) did not cause birth defects or other adverse effects on the fetus when pregnant rabbits were exposed by skin contact, the most likely route of exposure, or when pregnant rats or rabbits were exposed orally.

Reproductive toxicity

In animal studies, did not interfere with reproduction.

Mutagenicity

In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were negative.

Aspiration Hazard

Based on physical properties, not likely to be an aspiration hazard.

COMPONENTS INFLUENCING TOXICOLOGY:

Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers

Acute inhalation toxicity The LC50 has not been determined.

This product contains titanium dioxide which IARC has classified as a Group 2B carcinogen (possibly carcinogenic to humans). Evidence is based on sufficient animal testing as a result of long-term inhalation at high concentrations of respirable amounts of titanium dioxide.. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant.

SECTION 12 ECOLOGICAL INFORMATION

Biodegradation: Does not accumulate.

Eco-Toxicity: NA

SECTION 13 WASTE DISPOSAL CONSIDERATIONS

Disposal methods: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device.

SECTION 14 TRANSPORTATION INFORMATION

DOT Not regulated for transport

Classification for SEA transport (IMO-IMDG):

Proper shipping name	ENVIRONMENTALLY HAZARDOUS <i>SUBSTANCE</i> , <i>LIQUID, N.O.S.(Epoxy resin) UN number UN 3082</i>
<i>Class</i>	<i>9</i>
<i>Packing group</i>	<i>III</i>
<i>Marine pollutant</i>	Epoxy resin
Transport in bulk	Consult IMO regulations before transporting ocean bulk

SECTION 15 REGULATORY INFORMATION

OSHA Hazard Communication Standard

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Acute Health Hazard

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Pennsylvania Worker and Community Right-To-Know Act:

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 16 OTHER INFORMATION

None.

DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief as of the date of publication. The information given is designed only as guidance for the safe handling, use, transportation, storage and disposal and is not to be considered a warranty or quality specification. The information relates only to the material designated and may not be valid for such material used in combination with any other material or in any process unless specified in the text.

End of Data Sheet

