

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: MVR9 EPOXY PART A

PRODUCT CODES: 2209 SERIES

PRODUCT USE: Coatings Material. Multiple colors including clear.

MANUFACTURER: Granicrete International, Inc.

ADDRESS: 4602 S. 36th Street, Phoenix, AZ 85040 **PHONE:** (602) 438-9464

24-7 EMERGENCY PHONE WITH PERS: 800-633-8253

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION	<u>Category</u>
Skin Irritation	2
Eye Irritation	2A
Skin Sensitization	1
Acute Aquatic toxicity	2
Chronic Aquatic toxicity	2

GHS PICTOGRAM



Signal Word

Appearance

Odor

Hazard Statements:

WARNING

Tinted Viscous Liquid

Mild

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:

P202: Do not handle until all safety precautions have been read and understood.

P223: Keep container tightly closed.

P102: Keep out of reach of children.

Prevention Statements:

P280 Wear protective gloves and eye/face protection.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P272 Contaminated work clothing should not be allowed out of the workplace. P264 Wash with plenty of water and soap thoroughly after handling.

Response Statements:

P301: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304: IF INHALED: Remove victim to fresh air and keep comfortable for breathing.

P305: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P311: Call a POISON CENTER or doctor/ physician if you feel unwell.

P362: Take off contaminated clothing and wash before reuse.

P337: If skin irritation or rash occurs: Get medical advice/ attention.

P337+313: If eye irritation persists: Get medical advice/ attention.

P370+378; In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.

Storage Requirements:

P403+233: Store in a well-ventilated cool place. Keep container tightly closed. Store locked up.

Disposal Requirements:

P501: Dispose of contents/ container to local and regional waste disposal requirements.

Hazards not otherwise classified:

Severe eye irritant
Severe respiratory irritant
May cause sensitization by skin

SECTION 3: COMPOSITION - INGREDIENTS

COMPONENT	CAS #	% BY WEIGHT
Reaction products of Epichlorohydrin and Bisphenol A	25068-38-6	+/- 95
1,4-bis(2,3-epoxypropoxy)butane	2425-79-8	+/- 5

Note: This product may contain additional ingredients that are proprietary, or non-hazardous, or in small concentration not meeting disclosure requirements.

SECTION 4: FIRST-AID MEASURES**General Advice**

Move out of dangerous area. Consult a physician with this SDS. Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately..

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes

Skin Contact

May cause irritation. Wash off with soap and plenty of water. Get medical attention if irritation develops or persists.

Inhalation

Move to fresh air and keep at rest in a position comfortable for breathing. If not breathing or breathing is irregular, provide artificial respiration or give oxygen by trained personnel. Get medical attention immediately.

Ingestion

Never give anything by mouth to an unconscious person. DO NOT induce vomiting. Rinse mouth with water. Get medical attention immediately. Repeated and/or prolonged exposure.

Most Important Symptoms/Effect, Acute and Delayed

Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat, eye disease, skin disorders, allergies, asthma, and neurological disorders.

Immediate Medical Attention and Special Treatment

Note to Physicians: No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media

For small (incipient) fires, use media such as water, "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Specific Hazards from Substances of Mixture

Incomplete combustion may form carbon monoxide. May generate ammonia Carbon oxides, Hydrogen chloride gas, Hydrogen fluoride.

Special Protective Equipment for Fire Fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further Information

Do not allow run-off from firefighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, Emergency Producers

Wear suitable protective clothing, gloves, and eye/face protection. Avoid breathing vapors/mist/gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and Materials for Containment and Cleaning-Up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Put on appropriate personal protective equipment before handling. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

Conditions for Safe Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Hygiene Practice

Eating, drinking, and smoking should be prohibited in areas where this material is handled. Wash hands thoroughly after handling.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineer Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below recommended exposure limits.

Wear appropriate personal protective equipment where such systems are not effective to perform satisfactorily and meets OSHA or other recognized standards.

Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of workday.

Personal Protection Equipment

Eye/Face Protection Tightly fitted safety goggles.

Face shield (8-inch minimum).

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection

Handle with gloves. Gloves must be inspected prior to use.

Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands after handling or before eating, drinking, or smoking.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves.

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Impervious clothing. Closed-toe shoe.

Flame retardant antistatic protective clothing.

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection None required. However, where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental Exposure Controls Prevent further leakage or spillage if safe to do so. Do not allow product to enter sewers or waterways.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Viscous liquid
Color	Tinted colors
Odor	Mild
Odor Threshold	No data available
pH	No data available
Melting Point / Freezing Point	No data available
Boiling Point/Range	>252C
Flash Point / Evaporation Rate	No data available
Flammability (solid/gas)	No data available
Upper/lower Flammability Limit / Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	No data available
Specific Gravity (Water = 1)	1.12 – 1.13
Partition Coefficient: n-octanol/water	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available

SECTION 10: STABILITY AND REACTIVITY

SECTION 10. STABILITY AND REACTIVITY

Control Parameters	No data available
Chemical Stability	Stable under recommended storage conditions
Possibility of Hazardous Reaction	No data available
Conditions to Avoid	Heat, flames, sparks, and oxidizing agents
Incompatible Materials	Strong acids Strong bases Strong oxidizing agents Strong reducing agents Oxidizing agents
Hazardous Decomposition Products	Carbon oxides Nitrogen oxides
Thermal decomposition	No decomposition if stored and handled as prescribed/indicated. Flammable hydrocarbon fragments
	In the event of fire: see section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Based on available Data, the classification criteria are not met. Inhalation

No applicable information available.

Dermal

No applicable information available.

Assessment other acute effects

No applicable information available.

Irritation / corrosion

Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation. No applicable information available. Sensitization

Assessment of sensitization: Sensitization after skin contact possible.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: No reliable data was available concerning repeated dose toxicity. Based on available Data, the classification criteria are not met.

Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity: Based on the ingredients there is no suspicion of a carcinogenic effect in humans. Based on available Data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Teratogenicity

Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Other Information

The product has not been tested. The statement has been derived from the properties of the individual components.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Additional Information: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and degradability: Not readily biodegradable (by OECD criteria).

Bioaccumulative potential: Because of the product's consistency and low water solubility, bioavailability is improbable.

Mobility in soil: The substance will not evaporate into the atmosphere from the water surface.

Other adverse effects: Do not discharge product into the environment without control. The product has not been tested.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste/Unused Products

Preferred method of disposal includes incineration under controlled conditions in accordance with all local and national laws, and regulations. The generation of waste should be avoided or minimized wherever possible. Untreated material is not suitable for disposal. Waste, even small quantities, should never be poured down drains, sewers or watercourses. Waste must be disposed of in accordance with federal, state and local environmental control regulations. This material, when properly mixed and cured with its resin component at the proper mix ratio, may be safely land filled.

Contaminated packaging: Empty containers can only be disposed of when the remaining product adhering to the container walls has been removed.

SECTION 14: TRANSPORTATION INFORMATION

DOT (US) Not Dangerous Goods / Not regulated

IMO/IMDG Not Dangerous Goods / Not regulated

ICAO/IATA Not Dangerous Goods / Not regulated

SECTION 15: REGULATORY INFORMATION

UNITED STATES

TSCA 8 (b) Inventory Status

All Components are listed or exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification

None above reporting de minimus

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

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.

SARA 311/312 Hazards

Acute health hazard	No
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

California Prop. 65 Components

This product may contain chemical known to the State of California to cause birth defects or other reproductive harm.

CANADA

CEPA DSL/NDSL Status All components are listed or exempt from listing on the Domestic Substances List.

SECTION 16: OTHER INFORMATION

HMIS Rating

Health Hazard	NA
Flammability	NA
Physical Hazard	NA

NFPA Rating

Health Hazard	NA
Fire Hazard	NA
Reactivity Hazard	NA

Disclaimer

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

It is required that each recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given.