

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
 Product name : Epoxy Molding Compound
 Other means of identification : Fortium / Ultrium

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Multiple Industrial Uses

1.3. Details of the supplier of the safety data sheet

IDI Composites International
 15389 North Pointe Boulevard
 Noblesville, IN USA 46060
 (317) 773-1766

1.4. Emergency telephone number

Emergency number : 24-Hour Contact CHEMTREC 1-800-424-9300

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification (GHS-US)

Skin corrosion/irritation Category 1B H314 Causes severe skin burns and eye damage
 Skin sensitization Category 1 H317 May cause an allergic skin reaction

Full text of H statements : see section 16

2.2. Label elements
GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H314 - Causes severe skin burns and eye damage
 H317 - May cause an allergic skin reaction

Precautionary statements (GHS-US) : P260 - Do not breathe dust/fume
 P264 - Wash hands and other exposed areas thoroughly after handling
 P272 - Contaminated work clothing must not be allowed out of the workplace
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
 P305+P310+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
 P363 - Wash contaminated clothing before reuse
 P405 - Store locked up
 P501 - Dispose of contents/container in accordance with local, state and federal regulations

2.3. Other hazards

Sanding, grinding, or other machining of molded parts made from Epoxy Molding Compounds may create the potential for combustible dust-air mixtures. Follow safe work practices and prevent dust accumulations to minimize explosion hazards. Heating the material after processing can generate ammonia-like or similar type odors.

2.4. Unknown acute toxicity (GHS-US)

Not applicable

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable – the product is a mixture

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Bisphenol A-epichlorohydrin polymer	(CAS No) 25068-38-6	20-30*	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
Proprietary Component*	Proprietary*	5-10*	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317

*The exact chemical identity and percentages are considered a trade secret

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Immediately call a poison center or doctor/physician. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	: May cause an allergic skin reaction
Symptoms/injuries after skin contact	: Causes severe skin burns.
Symptoms/injuries after eye contact	: Causes severe eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry powder. Carbon dioxide. Water spray. Product is not flammable; use extinguishing agent appropriate for surrounding fire.
Unsuitable extinguishing media	: None.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Processing and handling of the product may form combustible dust concentrations in air.
Explosion hazard	: Potential dust explosion hazard. When dust becomes airborne and is exposed to an ignition source, sufficient combustible dust may exist to burn in open areas or explode in confined spaces.
Reactivity	: Thermal decomposition generates : Corrosive vapors.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

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6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if material enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Store away from initiators and peroxides.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust.

Hygiene measures : Wash hands and other exposed areas thoroughly after handling. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. Maximum recommended storage temperature below 85°F.

Incompatible products : None known

Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Not applicable

8.2. Exposure controls

Appropriate engineering controls : Avoid all unnecessary exposure.

Personal protective equipment :

Hand protection : Protective gloves, such as latex, are recommended.

Eye protection : Chemical goggles or face shield

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Not typically required.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Flexible, dough, soft sheets, pungent odor. A soft, tacky, fibrous material of various colors.

Color : Various Colors

Odor : Characteristic odor

Odor threshold : No data available

pH : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Relative evaporation rate (butyl acetate=1) : 0

Flammability (solid, gas) : Not flammable

Explosion limits : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Vapor pressure : No data available

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Relative density	: 1.4 - 2.0
Relative vapor density at 20 °C	: No data available
Solubility	: Negligible in water
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

This product is not reactive under normal handling and storage conditions.

10.2. Chemical stability

This product is stable under normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Not anticipated under normal handling and storage conditions.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. High temperatures will induce non-violent polymerization.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Toxic fumes. Carbon monoxide. Carbon dioxide. Corrosive vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Bisphenol A-epichlorohydrin polymer (25068-38-6)	
LD50 oral rat	11400 mg/kg
ATE US (oral)	11400.000 mg/kg body weight

Proprietary Component	
ATE US (oral)	500 mg/kg body weight

Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Causes severe eye damage.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

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Potential Adverse human health effects and symptoms : No additional information available
Symptoms/injuries after inhalation : May cause an allergice skin reaction.
Symptoms/injuries after skin contact : Causes severe skin burns.
Symptoms/injuries after eye contact : Causes severe eye damage.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local, state and federal regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated when shipped in non-bulk packagings by motor vehicle or rail car.

Additional information

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

BMC & SMC Epoxy Thermoset Molding Compounds 2

All constituents are in compliance with the United States TSCA (Toxic Substances Control Act) inventory

BMC & SMC Epoxy Thermoset Molding Compounds 2

SARA Section 311/312 Hazard Classes	Skin corrosion or irritation Serious eye damage or irritation Respiratory or skin sensitization
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15.2. International regulations

CANADA

Bisphenol A-epichlorohydrin polymer (25068-38-6)

Listed on the Canadian DSL (Domestic Substances List)

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EU-Regulations

Bisphenol A-epichlorohydrin polymer (25068-38-6)

Listed on the EU NLP (No Longer Polymers) inventory

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

Full text of H-phrases:

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation

NFPA health hazard

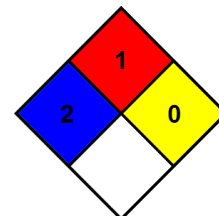
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard

: 1 - Must be preheated before ignition can occur.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability

: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal Protection

: X

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product