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: Thermoset Composite – Epoxy Molding Compound (BMC/SMC/STC/Prepreg)

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
407 South 7th Street
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 BMC and SMC 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 will generate ammonia-like odors.

2.4. Unknown acute toxicity (GHS-US)
Not applicable
**SECTION 3: Composition/information on ingredients**

### 3.1. Substance
Not applicable – the product is a mixture

### 3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier (CAS No)</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A-epichlorohydrin polymer</td>
<td>25068-38-6</td>
<td>20-30*</td>
<td>Skin Irr. 2, H315, Eye Irr. 2A, H319, Skin Sens. 1, H317</td>
</tr>
<tr>
<td>Proprietary Component*</td>
<td>Proprietary*</td>
<td>5-10*</td>
<td>Acute Tox. 4 (Oral), H302, Skin Corr. 1B, Eye Dam. 1, H314, Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

*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**: Rinses 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.

#### 6.1.2. For emergency responders

- **Protective equipment**: Equip cleanup crew with proper protection.
- **Emergency procedures**: Ventilate area.
Epoxy Molding Compound  
Safety Data Sheet  
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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. Store between 35° - 104°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, 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
Epoxy Molding Compound
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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative density</td>
<td>1.4 - 2.0</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Negligible in water</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Not classified

<table>
<thead>
<tr>
<th>Component</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A-epichlorohydrin polymer (25068-38-6)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>11400 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>11400.000 mg/kg body weight</td>
</tr>
<tr>
<td>Proprietary Component</td>
<td></td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>500 mg/kg body weight</td>
</tr>
</tbody>
</table>

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

03/07/2019 EN (English US)
Potential Adverse human health effects and symptoms: No additional information available
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.

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

15.2. International regulations

CANADA

Bisphenol A-epichlorohydrin polymer (25068-38-6)
Listed on the Canadian DSL (Domestic Substances List)
Epoxy Molding Compound
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

EU-Regulations

<table>
<thead>
<tr>
<th>Bisphenol A-epichlorohydrin polymer (25068-38-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the EU NLP (No Longer Polymers) inventory</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>H302</th>
<th>Harmful if swallowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Health</th>
<th>2 Moderate Hazard - Temporary or minor injury may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>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)</td>
</tr>
<tr>
<td>Physical</td>
<td>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.</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>X</td>
</tr>
</tbody>
</table>

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 therefore be construed as guaranteeing any specific property of the product.