Safety Data Sheet
G10FR4

SECTION 1: Identification

1.1 Product Identifier

Product Name: G10FR4
Substance Name: Fibrous Glass, Cured Epoxy Polymer

1.2 Other means of Identification
N/A

1.3 Recommended use of the chemical and restrictions on use
Electrical/Electronic Applications, Insulators

1.4 Suppliers Details:

Name: Polymer Plastics
Address: 550 Mallory Way
          Carson City, NV 89701
Telephone: 775-283-4400
Fax: 775-283-4410
Email: sales@polymerplastics.com

1.5 Emergency Phone Number(s)
1-800-475-2214

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture
2.2 **GHS label elements, including precautionary statements**
Not a hazardous substance or mixture.

2.3 **Other hazards which do not result in classification**
Not a hazardous substance or mixture.

**Statement regarding ingredients of unknown toxicity (OSHA)**
N/A

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**SECTION 3: Composition/information on ingredients**

3.1 **Substances**

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Fibroius Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cured Epoxy Polymer</td>
<td></td>
</tr>
<tr>
<td>Other names / synonyms</td>
<td>N/A</td>
</tr>
<tr>
<td>Impurities and stabilizing additives</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Trade secret statement (OSHA 1910.1200(i))**
N/A

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**SECTION 4: First-aid measures**

4.1 **Description of necessary first-aid measures**

**General advice**
Avoid inhalation, ingestion, and excessive skin exposure of dust.

**If inhaled**
Remove to fresh air. If symptoms persist, seek medical attention.

**In case of skin contact**
Wash with soap and water and remove contaminated clothing. If persist, seek medical attention.

**In case of eye contact**
Flush with water for 15 minutes. If symptoms persist, seek medical attention.

**If swallowed**
N/A

**Personal protective equipment for first-aid responders**
N/A

4.2 **Most important symptoms/effects, acute and delayed**
SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Water, CO2, Foam (AFF), Dry Agent

5.2 Specific hazards arising from the chemical
Smoke from fire may contain toxic fumes.

5.3 Special protective actions for fire-fighters
Positive Pressure SCBA to be worn when entering burning area.

Further information
Conventional firefighting procedures are to be used.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
N/A

6.2 Environmental precautions
N/A

6.3 Methods and materials for containment and cleaning up
N/A

Reference to other sections
N/A

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Sheets stacked too high and not restrained properly may pose a hazard of sliding. Some nuisance dust may be present in boxes of fabricated parts.

7.2 Conditions for safe storage, including any incompatibilities
N/A

Specific end use(s)
N/A

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls
Use proper ventilation for machining or dust collection system when sawing.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Wear safety glasses with side shields for machining or sawing.

Skin protection
Wear appropriate gloves and protective garments while machining or sawing.

Body protection
N/A

Respiratory protection
If proper ventilation is not available, wear NIOSH approved dust respirator to avoid exposure to nuisance dust while machining or sawing.

Thermal hazards
### SECTION 9: Physical and chemical properties

**Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/form</td>
<td>Pigmented solid sheets or machined parts</td>
</tr>
<tr>
<td>Odor</td>
<td>Faint phenolic odor</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>N/A</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash point</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>N/A</td>
</tr>
<tr>
<td>Upper/lower flammability limits</td>
<td>N/A</td>
</tr>
<tr>
<td>Upper/lower explosive limits</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor density</td>
<td>N/A</td>
</tr>
<tr>
<td>Relative density</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>N/A</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>N/A</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>N/A</td>
</tr>
</tbody>
</table>
SECTION 10: Stability and reactivity

10.1 Reactivity
Material will slowly degrade with exposure to strong oxidizing agents.

10.2 Chemical stability
Stable

10.3 Possibility of hazardous reactions
N/A

10.4 Conditions to avoid
Exposure to strong oxidizing agents.

10.5 Incompatible materials
Oxidizers

10.6 Hazardous decomposition products
Trace amounts of HCN, CO₂, CO, Phenol, and other Hydrocarbons.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Method:
Species:
Routes of exposure:
Effective dose:
Exposure time:
Results:

Skin corrosion/irritation
Method:
Species:
Routes of exposure:
Effective dose:
Exposure time:
Results:

Serious eye damage/irritation
Method:
Species:
Routes of exposure:
Effective dose:
Exposure time:
Results:

Respiratory or skin sensitization
Method:
Species:
Routes of exposure:
Effective dose:
Exposure time:
Results:

Germ cell mutagenicity
Method:
Species:
Routes of exposure:
Effective dose:
Exposure time:
Results:

Carcinogenicity
Reproductive toxicity

Summary of evaluation of the CMR properties
This material is not classifiable as to human carcinogenicity, mutagenicity, or reproductive toxicity and it has not been classified as a carcinogen, mutagen, or reproductive toxicant.

STOT-single exposure

STOT-repeated exposure

Aspiration hazard
Method:
Species:
Routes of exposure:
Effective dose:
Exposure time:
Results:

Additional information
This product does not contain toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

SECTION 12: Ecological information

Toxicity
N/A

Persistence and degradability
N/A

Bioaccumulative potential
N/A

Mobility in soil
N/A

Results of PBT and vPvB assessment
N/A

Other adverse effects
N/A

SECTION 13: Disposal considerations

Disposal of the product
Insure conformity with local disposal regulations.
Waste is not hazardous as defined by RCRA (40 CFR Part 261)

Disposal of contaminated packaging
Waste treatment
N/A

Sewage disposal
N/A

Other disposal recommendations
N/A

SECTION 14: Transport information
DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

15.2 Chemical Safety Assessment
This product does not contain toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

HMIS Rating
Health 0
Flammability 1
SECTION 16: Other information
N/A

16.1 Further information/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 guide 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.

16.2 Preparation information
Prepared in accordance with 229 CFR 1910.1200

Effective Date: 10/1/2015