SAFETY DATA SHEET

Section 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: TechMVC Moisture Vapor And Alkalinity Barrier Part A
Product Code: Not Available

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Product Use: Epoxy Moisture Barrier

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEETS

Name/Address: Custom Building Products
Five Concourse Parkway, Suite 1900
Atlanta, GA 30328

Telephone Number: 1-(800)-272-8786

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Telephone Number: INFO TRAC 1-800-535-5053 (US and Canada)
INTERNATIONAL + 1-352-323-3500

Section 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR 1910.1200 (OSHA HAZCOM2012)

Eye Irritation Category 2A
Skin Irritation Category 2
Skin Sensitization Category 1

2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

2.2a SIGNAL WORD: WARNING!

2.2b HAZARD STATEMENTS
Causes serious eye irritation
Causes skin irritation
May cause an allergic skin reaction

2.2c HAZARD PICTOGRAMS
2.2d PRECAUTIONARY STATEMENTS

| i. PREVENTION | Wash hands thoroughly after handling. Do not breathe vapors/mists/spray. Contaminated clothing must not be allowed out of the workplace. Do not eat, drink or smoke while using this product. Use only outdoors or in a well ventilated area. Wear impervious gloves/protective clothing/eye protection. |
| ii. RESPONSE | If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell. |
| iii. STORAGE | Store locked up. Store in a well-ventilated place. Keep container tightly closed. |
| iv. DISPOSAL | Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations. |

2.3 ADDITIONAL INFORMATION

2.3a HNOC – HAZARDS NOT OTHERWISE CLASSIFIED
Not Applicable

2.3b UNKNOWN ACUTE TOXICITY
16.3% of the mixture consists of ingredient(s) of unknown acute toxicity.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol F Epoxy Resin</td>
<td>9003-36-5</td>
<td>30 – 60%*</td>
</tr>
<tr>
<td>Butanediolglycidyl Ether</td>
<td>2425-79-8</td>
<td>10 – 30%*</td>
</tr>
<tr>
<td>Epoxy Phenol Novolac Resin</td>
<td>28064-14-4</td>
<td>5 – 10%*</td>
</tr>
</tbody>
</table>

*Means that the component will fall into one of the ranges specified due to batch-to-batch variability and to protect Confidential Business Information.

Section 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF THE FIRST-AID MEASURES

<table>
<thead>
<tr>
<th>ROUTES OF EXPOSURE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Contact:</td>
<td>In case of contact, immediately flush eyes with plenty of water for several minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.</td>
</tr>
</tbody>
</table>
Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

<table>
<thead>
<tr>
<th>ROUTES OF EXPOSURE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Contact:</td>
<td>Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.</td>
</tr>
<tr>
<td>Skin Contact:</td>
<td>Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Inhalation:</td>
<td>May cause respiratory tract irritation.</td>
</tr>
<tr>
<td>Ingestion:</td>
<td>May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.</td>
</tr>
</tbody>
</table>

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Note to Physicians: Symptoms may not appear immediately.

Specific Treatments: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Section 5: FIRE-FIGHTING MEASURES

5.1 FLAMMABILITY

Flammability: Not Flammable/Not Combustible by WHMIS/OSHA HAZCOM2012 Criteria

5.2 EXTINGUISHING MEDIA

5.2a. Suitable Extinguishing Media:
Treat for surrounding material.

5.2b. Unsuitable Extinguishing Media:
Not Available

5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

5.3a. Products of Combustion:
May include, and are not limited to: oxides of carbon, oxides of nitrogen.

5.3b. Explosion Data

i. Sensitivity to Mechanical Impact:
   Not Available

ii. Sensitivity to Static Discharge:
   Not Available

5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear (full bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Methods for Containment: Recover all usable material. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleaning-Up: Soak up spilt material using absorbent media and sweep up. Dispose of unwanted material properly in accordance with all local, regional, national and international regulations.

Section 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Handling: Use in well-ventilated areas. Wear impervious gloves and eye protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe vapors/mist/spray. Do not take internally.

General Hygiene Advice: Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage: Store locked up. Keep out of the reach of children. Keep container tightly closed. Store at room temperature and keep containers closed when not in use.
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETER
Exposure Guidelines:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA-PEL</th>
<th>ACGIH-TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol F Epoxy Resin</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Butanediolglycidyl Ether</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Epoxy Phenol Novolac Resin</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

8.2 EXPOSURE CONTROLS
Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

8.3 INDIVIDUAL PROTECTION MEASURES
8.3a. Personal Protective Equipment:

i. **Eye/Face Protection:** Wear approved eye protection [properly fitted dust- or splash-proof chemical safety goggles/face (face shield)]

ii. **Skin Protection:**
   1. **Hand Protection:** Wear impervious gloves, such as nitrile.
   2. **Body Protection:** Wear suitable protective clothing.

iii. **Respiratory Protection:** A NIOSH approved respirator or filtering face piece, such as N95, is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA’s respirator standard (29 CFR 1910.134) and ANSI’s standard for respiratory protection (Z88.2).

iv. **General Health and Safety Measures:** Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance (physical state, color, etc.):</th>
<th>Translucent Brown Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>Not Available</td>
</tr>
<tr>
<td>pH:</td>
<td>Not Available</td>
</tr>
<tr>
<td>Melting point/Freezing point:</td>
<td>Not Available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>&gt;212°F (&gt;100°C)</td>
</tr>
<tr>
<td>Flash point:</td>
<td>&gt;200°F (&gt;93.3°C)</td>
</tr>
<tr>
<td>Evaporation rate (Water=1):</td>
<td>Not Available</td>
</tr>
<tr>
<td>Flammability:</td>
<td>Not Flammable/Not Combustible</td>
</tr>
<tr>
<td>Upper Flammability/Explosive Limit:</td>
<td>Not Available</td>
</tr>
<tr>
<td>Lower Flammability/Explosive Limit:</td>
<td>Not Available</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

Section 10: STABILITY AND REACTIVITY

10.1. REACTIVITY
No dangerous reaction known under conditions of normal use.

10.2. CHEMICAL STABILITY
Stable under normal storage conditions. Keep dry in storage.

10.3. POSSIBILITY OF HAZARDOUS REACTION
No dangerous reaction known under conditions of normal use.

10.4. CONDITIONS TO AVOID
Heat. Incompatible materials.

10.5. INCOMPATIBLE MATERIALS
Strong acids. Strong Oxidizers.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS
Upon decomposition, this product may yield oxides of carbon and oxides of nitrogen.

Section 11: TOXICOLOGICAL INFORMATION

11.1. LIKELY ROUTES OF EXPOSURE:
Skin contact, eye contact, inhalation, and ingestion.

11.2. SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS:

Eye Contact: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin Contact: Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause an allergic skin reaction.

Inhalation: May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

Acute Toxicity(ATE_{mix}= 3,596 mg/kg)
Conforms to OSHA HazCom 2012 Standard and WHMIS 2015

SAFETY DATA SHEET

**Chemical Name** | **LC50** | **LD50** |
--- | --- | --- |
Bisphenol F Epoxy Resin | Not Available | Oral: >5,000 mg/kg, rat |
Butanediolglycidyl Ether | Not Available | Oral: >2,000 mg/kg, rat |
Epoxy Phenol Novolac Resin | Not Available | Oral: >1,500 mg/kg, rat |

**Carcinogenicity**

| Chemical Name | Chemical Listed as Carcinogens or Potential Carcinogen (NTP,IARC,OSHA,ACGIH,CP65) |
--- | --- |
Bisphenol F Epoxy Resin | Not Listed |
Butanediolglycidyl Ether | Not Listed |
Epoxy Phenol Novolac Resin | Not Listed |

11.3. DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE

**SHORT-TERM**

- **Skin Corrosion/Irritation:** Causes skin irritation
- **Serious Eye Damage/Irritation:** Causes serious eye irritation
- **Respiratory Sensitization:** Not Classified
- **Skin Sensitization:** May cause an allergic skin reaction
- **STOT-Single Exposure:** May cause respiratory irritation
- **Aspiration Hazard:** Not Classified

**LONG-TERM**

- **Carcinogenicity:** Not Classified
- **Germ Cell Mutagenicity:** Not Classified
- **Reproductive Toxicity:** Not Classified
- **STOT-Repeated Exposure:** Not Classified
- **Synergistic/Antagonistic Effects:** Not Classified

**Section 12: ECOLOGICAL INFORMATION**

12.1. ECOTOXICITY

May cause long-term adverse effects to the aquatic environment. Keep from entry into sewers and waterways.

| Chemical Name | EC50/NOEC-48 Hours | LC50/NOEC-96 Hours |
--- | --- | --- |
Bisphenol F Epoxy Resin | 1.6 mg/L, Daphnia magna | 0.55 mg/L, Oncorhynchus mykiss |
Butanediolglycidyl Ether | 75 mg/L, 24hr, Daphnia | 24 mg/L, Fish |
Epoxy Phenol Novolac Resin | 3.5 mg/L, Daphnia magna | 5.7 mg/L, Leuciscus idus |

12.2. PERSISTENCE AND DEGRADABILITY

Not Available

12.3. BIOACCUMULATIVE POTENTIAL

Not Available

12.4. MOBILITY IN SOIL

Not Available

12.5. OTHER ADVERSE EFFECTS

Not Available
Section 13: DISPOSAL CONSIDERATIONS

13.1. DISPOSAL METHOD
Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

13.2. OTHER DISPOSAL CONSIDERATIONS
Not Available

Section 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>DOT (U.S.)</th>
<th>TDG (CANADA)</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN NUMBER:</td>
<td>UN NUMBER:</td>
<td>UN NUMBER:</td>
</tr>
<tr>
<td>Not Regulated</td>
<td>UN3082</td>
<td>UN3082</td>
</tr>
<tr>
<td>UN PROPER SHIPPING NAME:</td>
<td>UN PROPER SHIPPING NAME:</td>
<td>UN PROPER SHIPPING NAME:</td>
</tr>
<tr>
<td>Not Regulated</td>
<td>Environmentally Hazardous Substance, Liquid, N.O.S. (Bisphenol A/F Epoxy Resin, Nonyl Phenol)</td>
<td>Environmentally Hazardous Substance, Liquid, N.O.S. (Bisphenol A/F Epoxy Resin, Nonyl Phenol)</td>
</tr>
<tr>
<td>TRANSPORT HAZARD CLASS (ES):</td>
<td>TRANSPORT HAZARD CLASS (ES):</td>
<td>TRANSPORT HAZARD CLASS (ES):</td>
</tr>
<tr>
<td>Not Regulated</td>
<td>Class 9</td>
<td>Class 9</td>
</tr>
<tr>
<td>PACKING GROUP (if applicable):</td>
<td>PACKING GROUP (if applicable):</td>
<td>PACKING GROUP (if applicable):</td>
</tr>
<tr>
<td>Not Regulated</td>
<td>III</td>
<td>III</td>
</tr>
<tr>
<td>Limited Quantity Exception &lt;= 5L</td>
<td>Limited Quantity Exception &lt;= 5L</td>
<td></td>
</tr>
</tbody>
</table>

SUMMARY: Product is NOT regulated under DOT and IS regulated under IATA/IMDG regulations. Product is exempt from TDG when shipped by road/rail per 1.45.1 of the TDG Regulations.

14.1. ENVIRONMENTAL HAZARDS
Marine Pollutant per IATA and IMDG regulations

14.2. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE
Not Available

14.3. SPECIAL PRECAUTIONS FOR USER
Do not handle until all safety precautions have been read and understood.

Section 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL
Canada: This product has been classified in accordance with the hazard criteria of the
Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.


### 15.2. US FEDERAL INFORMATION:

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>SECTION 302 (EHS) TPQ (LBS)</th>
<th>SECTION 304 EHS RQ (LBS)</th>
<th>CERCLA RQ (LBS)</th>
<th>SECTION 313 (TRI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol F Epoxy Resin</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Butanediolglycidyl Ether</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Epoxy Phenol Novolac Resin</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

### 15.3. US STATE RIGHT TO KNOW LAWS:

**California Proposition 65:**

**WARNING:** This product can expose you to chemicals including crystalline silica which is known to the State of California to cause cancer and epichlorohydrin which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Other U.S. States “Right to Know” Lists:**

- Bisphenol F Epoxy Resin: CAS#9003-36-5
- Butanediolglycidyl Ether: CAS#2425-79-8
- Potassium Magnesium Aluminum Silicate: CAS#12001-26-2
- Epoxy Phenol Novolac Resin: CAS#28064-14-4
- Crystalline Silica: CAS#14808-60-7

### 15.4. GLOBAL INVENTORIES

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>USA TSCA</th>
<th>Canada DSL/NDSL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol F Epoxy Resin</td>
<td>Yes</td>
<td>DSL</td>
</tr>
<tr>
<td>Butanediolglycidyl Ether</td>
<td>Yes</td>
<td>DSL</td>
</tr>
<tr>
<td>Epoxy Phenol Novolac Resin</td>
<td>Yes</td>
<td>DSL</td>
</tr>
</tbody>
</table>
15.5. NFPA AND HMIS RATINGS:

<table>
<thead>
<tr>
<th>HEALTH HAZARD</th>
<th>FLAMMABILITY HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXTREME - High - May cause death on short-term exposure.</td>
<td>EXTREME - Very flammable, gas or liquid, Flash Point below 72°F.</td>
</tr>
<tr>
<td>SERIOUS - Severe - Full protective suit and breathing apparatus should be worn.</td>
<td>SERIOUS - Flammable, Flash Point 73°F or 90°F.</td>
</tr>
<tr>
<td>MODERATE - Moderately flammable, Use with caution.</td>
<td>MODERATE - Combustible, Requires moderate heating to ignite, Flash Point below 200°F.</td>
</tr>
<tr>
<td>SLIGHT - May be ignited, Use with care.</td>
<td>SLIGHT - Flammable, Requires strong heating to ignite.</td>
</tr>
<tr>
<td>MINIMAL - No precautions necessary.</td>
<td>MINIMAL - Will not burn under normal conditions.</td>
</tr>
</tbody>
</table>

15.6. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

<table>
<thead>
<tr>
<th>CP65</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA (O)</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>ACGIH (G)</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>IARC (I)</td>
<td>International Agency for Research on Cancer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CP65</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA (O)</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>ACGIH (G)</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>IARC (I)</td>
<td>International Agency for Research on Cancer</td>
</tr>
</tbody>
</table>

- A1 – Confirmed human carcinogen
- A2 – Suspected human carcinogen
- A3 – Animal carcinogen
- A4 – Not classifiable as a human carcinogen
- A5 – Not suspected a human carcinogen

- 1 – The agent (mixture) is carcinogenic to humans
- 2A – The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B – The agent (mixture) is possibly carcinogenic to humans; there
Conforms to OSHA HazCom 2012 Standard and WHMIS 2015

SAFETY DATA SHEET

<table>
<thead>
<tr>
<th>NTP (N)</th>
<th>National Toxicology Program</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 – Known to be carcinogens</td>
</tr>
<tr>
<td></td>
<td>2 – Reasonably anticipated to be carcinogens</td>
</tr>
</tbody>
</table>

Section 16: OTHER INFORMATION

Date of Preparation: October 21, 2013

Version: 6.2

Revision Date: July 15, 2020

Disclaimer: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

Prepared by: Custom Building Products
Phone: (800)-272-8786
www.customtechflooring.com

End of Safety Data Sheet