SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture
Product Name: ALTRO QUICKFIX 3042 A

Intended Use of the Product

Use of the Substance/Mixture: No use is specified.

Name, Address, and Telephone of the Responsible Party

Company
Altro Floors, Inc.
80 Industrial Way
Wilmington, MA 01887
978-657-6464

Emergency Telephone Number

Emergency Number: CHEMTREC 1-800-424-9300/ CANUTEC 613-996-6666

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)
Skin Irrit. 2 H315
Eye Irrit. 2A H319
Skin Sens. 1 H317

Full text of H-phrases: see section 16

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US): GHS07

Signal Word (GHS-US): Warning

Hazard Statements (GHS-US):

- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.

Precautionary Statements (GHS-US):

- P261 - Avoid breathing vapors, mist, or spray.
- P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves, protective clothing, and eye protection.
- P302+P352 - IF ON SKIN: Wash with plenty of water.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Flammable vapors can accumulate in head space of closed systems.

Unknown Acute Toxicity (GHS-US): Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>% (w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A-epichlorohydrin polymer</td>
<td>(CAS No) 25068-38-6</td>
<td>15 - 40</td>
</tr>
</tbody>
</table>
ALTRO QUICKFIX 3042 A

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According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
<th>Health Hazard Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trimethylolpropane triacrylate</td>
<td>15625-85-5</td>
<td>10 - 30</td>
</tr>
<tr>
<td>1,2,3-Propanetriyl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid</td>
<td>74398-71-3</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Quartz*</td>
<td>14808-60-7</td>
<td>0.1 – 1.0</td>
</tr>
</tbody>
</table>

*This product contains a material that may be hazardous when present as an airborne dust. Since this product is in a liquid form, the material is not able to become airborne and cannot be inhaled. Thus, the hazards usually associated with this material are not applicable to this product.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes eye irritation. Causes skin irritation. May cause an allergic skin reaction.

Inhalation: May cause respiratory irritation.

Skin Contact: Causes skin irritation. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.

Eye Contact: Causes serious eye damage. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.

Ingestion: Not available

Chronic Symptoms: None expected.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Potentially violent decomposition can occur above 350 °C.

Explosion Hazard: Product is not explosive but if hazardous polymerization occurs can have an oxidizing effect that could lead to fire and possible explosion.

Reactivity: Hazardous reactions may occur on contact with certain chemicals. Refer to incompatible materials.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Under fire conditions this material may produce hazardous carbon dioxide (CO₂), carbon monoxide (CO), various low molecular weight hydrocarbons, and smoke.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing vapor, mist, or spray. Use only outdoors or in a well-ventilated area.
For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental Precautions

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

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Do not take up in combustible material such as: saw dust or cellulosic material.
Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Use only non-sparking tools.

Reference to Other Sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: The substance will polymerize due to heating, on contact with peroxides, and under the influence of light. Heating may cause violent combustion or explosion producing acrid smoke. The substance may also spontaneously polymerize if it is not stabilized. Product to be handled in a closed system and under strictly controlled conditions.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.
Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep in fireproof place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Specific End Use(s)

No use is specified.

SECTION 8: EXPOSURE CONTROLS/PERSOAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government

<table>
<thead>
<tr>
<th>Substance</th>
<th>USA ACGIH TWA (mg/m³)</th>
<th>ACGIH chemical category</th>
<th>USA OSHA PEL (STEL) (mg/m³)</th>
<th>USA NIOSH REL (TWA) (mg/m³)</th>
<th>USA IDLH (mg/m³)</th>
<th>Alberta OEL TWA (mg/m³)</th>
<th>British Columbia OEL TWA (mg/m³)</th>
<th>Manitoba OEL TWA (mg/m³)</th>
<th>New Brunswick OEL TWA (mg/m³)</th>
<th>Newfoundland &amp; Labrador OEL TWA (mg/m³)</th>
<th>Nova Scotia OEL TWA (mg/m³)</th>
<th>Nunavut OEL TWA (mg/m³)</th>
<th>Northwest Territories OEL TWA (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td></td>
<td>0.025 mg/m³ (respirable fraction)</td>
<td>250 mppcf/%SiO₂+5, 10mg/m³/%SiO₂+2</td>
<td>0.05 mg/m³ (respirable dust)</td>
<td>50 mg/m³ (respirable dust)</td>
<td>0.025 mg/m³ (respirable particulate)</td>
<td>0.025 mg/m³ (respirable)</td>
<td>0.025 mg/m³ (respirable fraction)</td>
<td>0.1 mg/m³ (respirable fraction)</td>
<td>0.025 mg/m³ (respirable fraction)</td>
<td>0.1 mg/m³ (respirable)</td>
<td>0.1 mg/m³ (respirable mass)</td>
<td></td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Province</th>
<th>OEL TWA (mg/m³)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ontario</td>
<td>0.10 mg/m³</td>
<td>(designated substances regulation- respirable)</td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>0.025 mg/m³</td>
<td>(respirable fraction)</td>
</tr>
<tr>
<td>Québec</td>
<td>0.1 mg/m³</td>
<td>(respirable dust)</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>0.05 mg/m³</td>
<td>(respirable fraction)</td>
</tr>
<tr>
<td>Yukon</td>
<td>300 particle/mL</td>
<td></td>
</tr>
</tbody>
</table>

**Exposure Controls**

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure, but are not required. Product to be handled under strictly controlled conditions. Ensure all national/local regulations are observed. Gas detectors should be used when toxic gases may be released. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits.


Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

**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>Physical State</td>
<td>Paste – Viscous Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Beige Thick Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting Point</td>
<td>32°F</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>32°F</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt; 392 °F (200 °C)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 200 °F (93 °C) (Setaflash method)</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Vapor Density at 20 °C</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.4</td>
</tr>
<tr>
<td>Solubility</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition Coefficient: N-Octanol/Water</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Approximately 56,000 cps</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Mechanical Impact</td>
<td>Not expected to present an explosion hazard due to mechanical impact.</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Static Discharge</td>
<td>Not expected to present an explosion hazard due to static discharge.</td>
</tr>
<tr>
<td>VOC Content</td>
<td>&lt;12 g/L (&lt;0.1 lbs/gal)</td>
</tr>
</tbody>
</table>

09/19/2018 EN (English US)
SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions may occur on contact with certain chemicals. Refer to incompatible materials.
Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions: Hazardous polymerization may occur upon contact with heat or incompatible materials.
Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.
Hazardous Decomposition Products: Under fire conditions this material may produce hazardous carbon dioxide (CO$_2$), carbon monoxide (CO), various low molecular weight hydrocarbons, and smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product
Acute Toxicity: Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Causes skin irritation.
Serious Eye Damage/Irritation: Causes serious eye irritation.
Respiratory or Skin Sensitization: May cause an allergic skin reaction.
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not classified
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: May cause respiratory irritation.
Symptoms/Injuries After Skin Contact: Causes skin irritation. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.
Symptoms/Injuries After Eye Contact: Causes serious eye damage. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.
Chronic Symptoms: None expected.

Information on Toxicological Effects - Ingredient(s)
LD50 and LC50 Data:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LOEC (acute)</th>
<th>NOEC chronic</th>
<th>IARC Group</th>
<th>NTP Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A-epichlorohydrin polymer (25068-38-6)</td>
<td>1 mg/l Daphnia magna</td>
<td>0.3 mg/l Daphnia magna</td>
<td>1</td>
<td>Known Human Carcinogens.</td>
</tr>
<tr>
<td>Trimethylolpropane triacrylate (15625-89-5)</td>
<td>5000 mg/kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quartz (14808-60-7)</td>
<td>&gt; 5000 mg/kg</td>
<td>&gt; 5000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quartz (14808-60-7)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 12: ECOLOGICAL INFORMATION

Toxicity
Ecology - General: Harmful to aquatic life. Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Bisphenol A-epichlorohydrin polymer (25068-38-6)</th>
<th>LOEC (acute)</th>
<th>NOEC chronic</th>
<th>IARC Group</th>
<th>NTP Status</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mg/l Daphnia magna</td>
<td>0.3 mg/l Daphnia magna</td>
<td>1</td>
<td>Known Human Carcinogens.</td>
</tr>
</tbody>
</table>

Persistence and Degradability: Not available
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Bioaccumulative Potential

Mobility in Soil Not available

Other Adverse Effects Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Sewage Disposal Recommendations: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.


SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT Not regulated for transport

In Accordance with IMDG

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol A-(epichlorhydrin); epoxy resin)

Hazard Class : 9

Identification Number : UN3082

Packing Group : III

Label Codes : 9

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-F

Marine pollutant : Marine pollutant

In Accordance with IATA

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol A-(epichlorhydrin); epoxy resin)

Packing Group : III

Identification Number : UN3082

Hazard Class : 9

Label Codes : 9

ERG Code (IATA) : 9L

In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

<table>
<thead>
<tr>
<th>SARA Section 311/312 Hazard Classes</th>
<th>Immediate (acute) health hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A-epichlorohydrin polymer (25068-38-6)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Quartz (14808-60-7)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>1,2,3-Propanetriyl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid (74398-71-3)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Trimethylpropane triacrylate (15625-89-5)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>

US State Regulations


Quartz (14808-60-7)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
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Canadian Regulations

Bisphenol A-epichlorohydrin polymer (25068-38-6)
Listed on the Canadian DSL (Domestic Substances List)

Quartz (14808-60-7)
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)
IDL Concentration 1 %

1,2,3-Propanetriyl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid (74398-71-3)
Listed on the Canadian DSL (Domestic Substances List)

Trimethylolpropane triacrylate (15625-89-5)
Listed on the Canadian DSL (Domestic Substances List)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 09/19/2018
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

<table>
<thead>
<tr>
<th>H315</th>
<th>Causes skin irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
</tbody>
</table>

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.

North America GHS US 2012 & WHMIS 2015