SAFETY DATA SHEET

Section 1. Identification

Supplier
RPM WOOD FINISHES GROUP
PO BOX 22000
HICKORY, NC 28603

Phone
828-728-8266

Emergency telephone number
CHEMTREC: (800) 424-9300
International: 703-527-3887 (collect)

Product name
EPOXY PUTTY STICK MAHOGANY

Section 2. Hazards identification

OSHA/HCS status
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1A

GHS label elements
Hazard pictograms

Signal word
Danger

Hazard statements
Causes skin and eye irritation.
May cause an allergic skin reaction.
May cause cancer.

Precautionary statements
Prevention
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Wear eye or face protection. Avoid breathing dust. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response
IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. IF skin irritation or rash occurs: Get medical 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 attention.

Storage
Store locked up

Disposal
Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified
None known.

Date of issue/Date of revision 4 November 2013  Date of previous issue No previous validation.  Version 1 1/12
Section 3. Composition/information on ingredients

Substance/mixture  Mixture

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>% by weight</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>reaction product: bisphenol-A-(epichlorhydrin); epoxy resin</td>
<td>10 - 30</td>
<td>25068-38-6</td>
</tr>
<tr>
<td>2,4,6-tris(dimethylaminomethyl)phenol</td>
<td>1 - 5</td>
<td>90-72-2</td>
</tr>
<tr>
<td>crystalline silica non-respirable</td>
<td>0.1 - 1</td>
<td>14808-60-7</td>
</tr>
<tr>
<td>carbon black non-respirable</td>
<td>0.1 - 1</td>
<td>1333-86-4</td>
</tr>
</tbody>
</table>

Canada

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talc, not containing asbestiform fibres</td>
<td>14807-96-6</td>
<td>30 - 60</td>
</tr>
<tr>
<td>reaction product: bisphenol-A-(epichlorhydrin); epoxy resin</td>
<td>25068-38-6</td>
<td>10 - 30</td>
</tr>
<tr>
<td>glass, oxide, chemicals</td>
<td>65997-17-3</td>
<td>10 - 30</td>
</tr>
<tr>
<td>2,4,6-tris(dimethylaminomethyl)phenol</td>
<td>90-72-2</td>
<td>1 - 5</td>
</tr>
<tr>
<td>diiron trioxide</td>
<td>1309-37-1</td>
<td>1 - 5</td>
</tr>
<tr>
<td>crystalline silica non-respirable</td>
<td>14808-60-7</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>carbon black non-respirable</td>
<td>1333-86-4</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Inhalation  Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact  Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact  Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Ingestion  Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Inhalation  Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin contact  Causes skin irritation. May cause an allergic skin reaction.

Eye contact  Causes serious eye irritation.
Section 4. First aid measures

**Ingestion**
Irritating to mouth, throat and stomach.

**Over-exposure signs/symptoms**

**Inhalation**
No specific data.

**Skin contact**
Adverse symptoms may include the following:
- irritation
- redness

**Eye contact**
Adverse symptoms may include the following:
- pain or irritation
- watering
- redness

**Ingestion**
No specific data.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician**
In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments**
No specific treatment.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

**Extinguishing media**

**Suitable extinguishing media**
Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media**
None known.

**Specific hazards arising from the chemical**
No specific fire or explosion hazard.

**National Fire Protection Association (U.S.A.)**

Flammability

<table>
<thead>
<tr>
<th>Health</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instability/Reactivity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hazardous thermal decomposition products**
Decomposition products may include the following materials:
- carbon dioxide
- carbon monoxide
- nitrogen oxides
- sulfur oxides
- halogenated compounds
- metal oxide/oxides

**Special protective actions for fire-fighters**
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters**
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel**
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders**
If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions**
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

**Small spill**
Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill**
Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities**
Do not store above the following temperature: 35°C (95°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Precautions for safe handling**

**Protective measures**
Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene**
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>CAS #</th>
<th>Exposure limits</th>
</tr>
</thead>
</table>
| crystalline silica non-respirable      | 14808-60-7 | OSHA PEL Z3 (United States, 9/2005). Notes: 250/(%SiO2+5)  
TWA: 250 MPPCF / (%SiO2+5) 8 hours. Form: Respirable  
OSHA PEL Z3 (United States, 9/2005). Notes: 10/(SiO2+2)  
TWA: 10 MG/M3 / (%SiO2+2) 8 hours. Form: Respirable  
ACGIH TLV (United States, 3/2012).  
TWA: 0.025 mg/m³ 8 hours. Form: Respirable fraction  
NIOSH REL (United States, 1/2013).  
TWA: 0.05 mg/m³ 10 hours. Form: respirable dust  
OSHA PEL Z3 (United States, 9/2005). Notes: 30/(%SiO2+2)  
TWA: 30 MG/M3 / (%SiO2+2) 8 hours. Form: Total dust.  
TWA: 3.5 mg/m³ 8 hours.  
NIOSH REL (United States, 1/2013).  
TWA: 3.5 mg/m³ 10 hours.  
TWA: 0.1 mg of PAHs/cm³ 10 hours.  
ACGIH TLV (United States, 3/2012).  
TWA: 3 mg/m³ 8 hours. Form: Inhalable fraction  
OSHA PEL (United States, 6/2010).  
TWA: 3.5 mg/m³ 8 hours. |
| carbon black non-respirable            | 1333-86-4 |                                                                                   |

### Canada

#### Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>List name</th>
<th>TWA (8 hours)</th>
<th>STEL (15 mins)</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talc, not containing asbestiform fibres</td>
<td>AB 4/2009</td>
<td>2 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>BC 4/2012</td>
<td>2 ppm</td>
<td>-</td>
<td>0.1 f/cc</td>
</tr>
<tr>
<td></td>
<td>ON 1/2013</td>
<td>2 ppm</td>
<td>-</td>
<td>2 f/cc</td>
</tr>
<tr>
<td></td>
<td>QC 12/2012</td>
<td>3 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>glass, oxide, chemicals</td>
<td>US ACGIH 3/2012</td>
<td>5 ppm</td>
<td>-</td>
<td>1 f/cc</td>
</tr>
<tr>
<td></td>
<td>US ACGIH 3/2012</td>
<td>5 ppm</td>
<td>1 f/cc</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>AB 4/2009</td>
<td>5 ppm</td>
<td>-</td>
<td>1 f/cc</td>
</tr>
<tr>
<td></td>
<td>BC 4/2012</td>
<td>5 ppm</td>
<td>-</td>
<td>1 f/cc</td>
</tr>
<tr>
<td></td>
<td>ON 1/2013</td>
<td>10 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>QC 12/2012</td>
<td>5 ppm</td>
<td>1 f/cc</td>
<td>-</td>
</tr>
<tr>
<td>diiron trioxide</td>
<td>US ACGIH 3/2012</td>
<td>5 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>AB 4/2009</td>
<td>5 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>diiron trioxide, as Fe</td>
<td>BC 4/2012</td>
<td>5 ppm</td>
<td>-</td>
<td>10 ppm</td>
</tr>
<tr>
<td></td>
<td>BC 4/2012</td>
<td>5 ppm</td>
<td>-</td>
<td>10 ppm</td>
</tr>
<tr>
<td>diiron trioxide</td>
<td>ON 1/2013</td>
<td>3 ppm</td>
<td>-</td>
<td>10 ppm</td>
</tr>
<tr>
<td>diiron trioxide, as Fe</td>
<td>QC 12/2012</td>
<td>5 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>crystalline silica non-respirable</td>
<td>US ACGIH 3/2012</td>
<td>0.025 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>ON 1/2013</td>
<td>0.1 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>QC 12/2012</td>
<td>0.1 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>carbon black non-respirable</td>
<td>US ACGIH 3/2012</td>
<td>3 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>AB 4/2009</td>
<td>3.5 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>BC 4/2012</td>
<td>3 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>ON 1/2013</td>
<td>3 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>QC 12/2012</td>
<td>3.5 ppm</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Date of issue/Date of revision: 4 November 2013  
Date of previous issue: No previous validation.  
Version: 1  
Page: 5/12
Section 8. Exposure controls/personal protection

Form: [a]Respirable particulate [b]Respirable [c]Respirable fraction: means that size fraction of the airborne particulate deposited in the gas-exchange region of the respiratory tract and collected during air sampling with a particle size-selective device that, (a) meets the ACGIH particle size-selective sampling criteria for airborne particulate matter; and (b) has the cut point of 4 µm at 50 per cent collection efficiency. [d]The value is for particulate matter containing no asbestos and < 1 per cent crystalline silica. [e]Respirable dust. [f]Inhalable fraction [g]Respirable fibers: length greater than 5 µM; aspect ratio equal to or greater than 3:1 as determined by the membrane filter method at 400-450X magnification (4-mm objective) phase contrast illumination. [h]Fibres [i]Fibres, total particulate [j]Inhalable [k]Fiber [l]Inhalable fraction: means that size fraction of the airborne particulate deposited anywhere in the respiratory tract and collected during air sampling with a particle size-selective device that, (a) meets the ACGIH particle size-selective sampling criteria for airborne particulate matter; and (b) has the cut point of 100 µm at 50 per cent collection efficiency. [m]Respirable fibres: length > 5µm; aspect ratio ≥3:1, as determined by the membrane filter method at 400-450 times magnification (4-mm objective), using phase-contrast illumination. [n]RESPIRABLE FIBRES (other than respirable asbestos fibres): Objects, other than respirable asbestos fibres, longer than 5 µm, having a diameter of less than 3 µm and a ratio of length to diameter of more than 3:1. [o]Total dust. [p]Respirable fraction [q]Dust [r]Fume [s]Respirable dust [t]Total dust [u]dust and fume

Appropriate engineering controls
If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls
Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection
Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Skin protection

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection
Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection
Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Eye/face protection
Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Section 9. Physical and chemical properties

Physical state  Solid.
Color  Brown.-White.
Odor  Sulfurous. Pungent. [Strong]
Odor threshold  Not available.
pH  Not available.
Melting point  Not available.
Boiling point  Not available.
Flash point  Closed cup: >93.3°C (>199.9°F) [Setaflash.] [Product does not sustain combustion.]
Evaporation rate  Not available.
Flammability (solid, gas)  Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Lower and upper explosive (flammable) limits  Not available.
Vapor pressure  Not available.
Vapor density  Not available.
Relative density  0.941
Solubility  Not available.
Solubility in water  Not available.
Auto-ignition temperature  Not available.
Decomposition temperature  >200°C (>392°F)
Viscosity  Not available.

Section 10. Stability and reactivity

Reactivity  No specific test data related to reactivity available for this product or its ingredients.
Chemical stability  The product is stable.
Possibility of hazardous reactions  Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid  No specific data.
Incompatible materials  No specific data.
Hazardous decomposition products  Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4,6-Tris(dimethylaminomethyl)phenol carbon black non-respirable</td>
<td>LD50 Dermal</td>
<td>Rat</td>
<td>1280 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>1200 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;15400 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Irritation/Corrosion
Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>reaction product: bisphenol-A- (epichlorhydrin); epoxy resin</td>
<td>Eyes - MILD irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>100 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - MILD irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 microliters</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - SEVERE irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 2 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>2,4,6-tris (dimethylaminomethyl)phenol</td>
<td>Eyes - SEVERE irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 50 microliters</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - MILD irritant</td>
<td>Rat</td>
<td>-</td>
<td>0.025 Milliters</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - SEVERE irritant</td>
<td>Rat</td>
<td>-</td>
<td>0.25 Milliters</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - SEVERE irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 2 milligrams</td>
<td>-</td>
</tr>
</tbody>
</table>

**Sensitization**
No specific data.

**Mutagenicity**
No specific data.

**Carcinogenicity**
No specific data.

**Classification**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>crystalline silica non-</td>
<td>-</td>
<td>1</td>
<td>Known to be a human carcinogen.</td>
</tr>
<tr>
<td>resolvable carbon black</td>
<td>-</td>
<td>2B</td>
<td>-</td>
</tr>
<tr>
<td>non-resolvable</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Reproductive toxicity**
No specific data.

**Teratogenicity**
No specific data.

**Specific target organ toxicity (single exposure)**
No specific data.

**Specific target organ toxicity (repeated exposure)**
No specific data.

**Aspiration hazard**
No specific data.

**Information on the likely routes of exposure**
Not available.

**Potential acute health effects**

- **Eye contact**: Causes serious eye irritation.
- **Inhalation**: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- **Skin contact**: Causes skin irritation. May cause an allergic skin reaction.
- **Ingestion**: Irritating to mouth, throat and stomach.

**Symptoms related to the physical, chemical and toxicological characteristics**
Section 11. Toxicological information

Eye contact  Adverse symptoms may include the following:
             pain or irritation
             watering
             redness

Inhalation  No specific data.

Skin contact  Adverse symptoms may include the following:
              irritation
              redness

Ingestion  No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure
  Potential immediate effects  Not available.
  Potential delayed effects  Not available.

Long term exposure
  Potential immediate effects  Not available.
  Potential delayed effects  Not available.

Potential chronic health effects
  No specific data.

General  Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity  May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity  No known significant effects or critical hazards.
Teratogenicity  No known significant effects or critical hazards.
Developmental effects  No known significant effects or critical hazards.
Fertility effects  No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

<table>
<thead>
<tr>
<th>Route</th>
<th>ATE value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>2214.6 mg/kg</td>
</tr>
<tr>
<td>Dermal</td>
<td>2362.2 mg/kg</td>
</tr>
</tbody>
</table>

Section 12. Ecological information

Toxicity  No specific data.

Persistence and degradability  No specific data.

Bioaccumulative potential
Section 12. Ecological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>reaction product: bisphenol-A- (epichlorohydrin); epoxy resin 2,4,6-tris (dimethylaminomethyl)phenol</td>
<td>2.64 to 3.78 0.219</td>
<td>31 -</td>
<td>low low</td>
</tr>
</tbody>
</table>

Mobility in soil
Soil/water partition coefficient (K<sub>OC</sub>)
Not available.

Other adverse effects
No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods
The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

RCRA classification
Not available.

Section 14. Transport information

<table>
<thead>
<tr>
<th>DOT Classification</th>
<th>TDG Classification</th>
<th>Mexico Classification</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td>Additional information</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Special precautions for user
Transport within user’s premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
Section 15. Regulatory information

United States
U.S. Federal regulations
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): All components are listed or exempted.
Clean Water Act (CWA) 311: acetic acid

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)
Listed

Clean Air Act Section 602 Class I Substances
Not listed

Clean Air Act Section 602 Class II Substances
Not listed

SARA 302/304
Composition/information on ingredients
No products were found.

SARA 304 RQ
Not applicable.

SARA 311/312
Classification
Immediate (acute) health hazard
Delayed (chronic) health hazard

Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>%</th>
<th>Fire hazard</th>
<th>Sudden release of pressure</th>
<th>Reactive</th>
<th>Immediate (acute) health hazard</th>
<th>Delayed (chronic) health hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>reaction product: bisphenol-A-(epichlorhydrin); epoxy resin 2,4,6-tris(dimethylaminomethyl)phenol crystalline silica non-respirable carbon black non-respirable</td>
<td>10 - 30</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
<tr>
<td></td>
<td>1 - 5</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
<tr>
<td></td>
<td>0.1 - 1</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
<tr>
<td></td>
<td>0.1 - 1</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
</tr>
</tbody>
</table>

State regulations

Massachusetts
The following components are listed: SOAPSTONE; MINERAL WOOL FIBER; IRON OXIDE DUST

New York
None of the components are listed.

New Jersey
The following components are listed: SOAPSTONE; SILICA, QUARTZ; QUARTZ (SiO2); IRON OXIDE; FERRIC OXIDE; CARBON BLACK

Pennsylvania
The following components are listed: SOAPSTONE DUST; QUARTZ (SiO2); IRON OXIDE (FE2O3); CARBON BLACK

Minnesota Hazardous Substances
None of the components are listed.

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Cancer</th>
<th>Reproductive</th>
<th>No significant risk level</th>
<th>Maximum acceptable dosage level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talc, not containing asbestos fibre crystalline silica non-respirable carbon black non-respirable</td>
<td>Yes.</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td></td>
<td>Yes.</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td></td>
<td>Yes.</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
</tbody>
</table>

Canada
Section 15. Regulatory information

WHMIS (Canada)  Class D-2A: Material causing other toxic effects (Very toxic).
                Class D-2B: Material causing other toxic effects (Toxic).

Canadian lists
Canadian NPRI None of the components are listed.
CEPA Toxic substances None of the components are listed.
Canada inventory Not determined.

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

International regulations
International lists
Australia inventory (AICS): All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: Not determined.
Korea inventory: Not determined.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan inventory (CSNN): Not determined.

Substances of very high concern
None of the components are listed.

Section 16. Other information

Key to abbreviations
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
UN = United Nations

References
Not available.

Indicates information that has changed from previously issued version.

Notice to reader
IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HEREUNDER ARE GIVEN GRATIS. NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED. ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.