SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Manufacturers Name: RBC Industries, Inc.  
Date of prep: January 27, 2014

Street Address: 80 CYPRESS STREET  
City, State, Zip: WARWICK RI 02888

Emergency Phone No: 800-424-9300 (CHEMTREC)  
Information Phone No: 401-941-3000  
Manufacturers Code Name: 5 MINUTE CLEAR RESIN

Chemical Family: EPOXY RESIN  
Chemical Name: DIGLYCIDYLETHYL OF BISPHENOL-A

2. COMPOSITION AND INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>% (optional)</th>
<th>CAS Number</th>
<th>OSHA PEL mg/m³</th>
<th>ACGIH TLV-TWA mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPOXY RESIN</td>
<td>90-100</td>
<td>025085-99-8</td>
<td>NOT ESTABLISHED</td>
<td>NOT ESTABLISHED</td>
</tr>
</tbody>
</table>

3. HAZARD IDENTIFICATION

Effects of Overexposure:

**INGESTION:** LOW ACUTE ORAL TOXICITY; LD50 (RAT) GREATER THAN 2000 MG/KG.

**EYE CONTACT:** MINOR TRANSIENT IRRITATION. NO CORNEAL INJURY LIKELY.

**SKIN CONTACT:** ONLY MINOR IRRITATION. MAY BE A SKIN SENSITIZER.

**SKIN ABSORPTION:** NOT LIKELY TO BE ABSORBED THROUGH SKIN IN TOXIC AMOUNTS.

**INHALATION:** NOT CONSIDERED A PROBLEM UNLESS HEATED TO HIGH TEMPERATURE.

Hazard Rating System:

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
<th>Personal</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td>1</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Other Instructions:

Emergency First Aid Procedure:

**SKIN CONTACT:** WASH WITH SOAP AND WATER; WASH CLOTHES BEFORE REUSE.

**EYE CONTACT:** IRRIGATE WITH WATER FOR FIVE MINUTES; CONSULT PHYSICIAN.

**INHALATION:** REMOVE TO FRESH AIR IF EFFECTS OCCUR; CONSULT PHYSICIAN.

**INGESTION:** INDUCE VOMITING IF LARGE AMOUNTS ARE INGESTED.

5. FIRE-FIGHTING MEASURES

Flash Point (Method Used): 485 Deg F (PMCC)  
Flammable Limits: Not Determined

Extinguishing Media: Use Water Spray, Dry Chemical, Foam or Carbon Dioxide

Special Fire Fighting Procedures: Treat As A Class B Fire

Unusual Fire and Explosion Hazards: None
6. ACCIDENTAL RELEASE MEASURES (Transportation Spills: CHEMTREC (800)424-9300)

Procedures in Case of Accidental Release, Breakage or Leakage:
VENTILATE AREA. AVOID BREATHING VAPOR. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, INCLUDING APPROPRIATE RESPIRATORY PROTECTION.
CONTAIN SPILL IF POSSIBLE. Wipe up or Absorb on Suitable Material and Shovel Up. Prevent Entry INTO SEWERS AND WATERWAYS. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

7. HANDLING AND STORAGE

Handling:
MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED. EYE WASH AND SAFETY SHOWER SHOULD BE AVAILABLE NEARBY WHEN THIS PRODUCT IS HANDLED OR USED.

Storage:
MINIMIZE EXPOSURE TO PERIODS OF HIGH TEMPERATURES. AVOID CONTAMINATION OF WATER.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH APPROVED ORGANIC VAPOR RESPIRATORS ARE ONLY REQUIRED WHEN VENTILATION IS INADEQUATE. NIOSH APPROVED AIR-LINE RESPIRATORS WITH AUXILIARY ESCAPE AIR TANKS OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED IN CONFINED SPACES.

Ventilation: LOCAL MECHANICAL EXHAUST.

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment: SAFETY SHOWER AND EYE BATH SHOULD BE PROVIDED. USE COVERALLS OR APRON TO PROTECT AGAINST SKIN AND CLOTHING CONTAMINATION.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (deg F)</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>NO</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>COLORED LIQUID, SWEET CHARACTERISTIC ODOR</td>
</tr>
<tr>
<td>Specific Gravity (Water=1)</td>
<td>1.15</td>
</tr>
<tr>
<td>Percent Volatile by Volume</td>
<td>0.0</td>
</tr>
<tr>
<td>Evaporation Rate Vs Ether</td>
<td>N/A</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability: STABLE

Incompatibility (Materials to Avoid):
STRONG ACIDS, AMINES, MERCAPTANS, BASES (IN UNCONTROLLED AMOUNTS)

Hazardous Decomposition Products:
DECOMPOSITION MAY PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE.

Hazardous Polymerization: WILL NOT OCCUR.

Conditions to Avoid: STRONG ACIDS, AMINES, MERCAPTANS, BASES (IN UNCONTROLLED AMOUNTS)

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)
ORAL: NOT DETERMINED
DERMAL: NOT DETERMINED
INHALATION: NOT DETERMINED
IRRITATION INDEX, ESTIMATION OF IRRITATION (SPECIES)
EYES: NOT DETERMINED
SKIN: NOT DETERMINED
SENSITIZATION: NOT DETERMINED
OTHER:
RBC Industries, Inc  
Manufacturers Code Name: 5 MINUTE CLEAR RESIN  
January 27, 2014

12. ECOLOGICAL INFORMATION
MOBILITY: NOT DETERMINED  
PERSISTENCE AND BIODEGRADABILITY: NONE  
POTENTIAL TO BIOACCUMULATE: NOT DETERMINED  
AQUATIC TOXICITY: NOT DETERMINED

13. DISPOSAL CONSIDERATIONS:
Waste Disposal Method: INCINERATE IN FURNACE OR BURY IN LANDFILL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

14. TRANSPORT INFORMATION
MATERIAL NOT REGULATED UNDER 49CFR, IATA, AND IMDG

15. REGULATORY INFORMATION
Federal Regulations:
SARA Title III:
Section 302/304 Extremely Hazardous Substances
Chemical Name CAS Number Range in % TPQ RQ
NONE

Section 311 Hazardous Categorization:
Acute X Chronic Fire Pressure Reactive N/A

Section 313 Toxic Chemical
Chemical Name CAS Number
NONE

CERCLA 102(a)/DOT Hazardous Substances:
NONE

TSCA Inventory Status:
THIS PRODUCT, OR ITS COMPONENTS, ARE LISTED ON OR ARE EXEMPT FROM THE TOXIC SUBSTANCE CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY

States Right-to-Know Regulations:
INTERNATIONAL REGULATIONS:
WHMIS Classification:
NONE
Canadian Inventory Status:
NONE
Acute X Chronic
Fire
Pressure
Reactive
N/A
NONE

California Prop. 65:
THE FOLLOWING DETECTABLE COMPONENTS OF THIS PRODUCT ARE SUBSTANCES, OR BELONG TO CLASSES OF SUBSTANCES, KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR REPRODUCTIVE TOXICITY
Chemical Name CAS Number
NONE

CANADIAN INVENTORY STATUS: THIS PRODUCT, OR ITS COMPONENTS, ARE LISTED ON OR ARE EXEMPT FROM THE CANADIAN DOMESTIC SUBSTANCE LIST (DSL).

EINECS INVENTORY STATUS:
THIS PRODUCT, OR ITS COMPONENTS, ARE LISTED ON OR ARE EXEMPT FROM THE EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES (EINECS) OR THE EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (ELINCS).
"The information herein is given in good faith, but no warranty, express or implied, is made."
SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Manufacturers Name: RBC Industries, Inc.  Date of prep: May 15, 2014
Street Address: 80 CYPRESS STREET  City, State, Zip: WARWICK RI 02888
Emergency Phone No: 800-424-9300 (CHEMTREC)  Chemical Family: EPOXY CURING AGENT
Information Phone No: 401-941-3000  Chemical Name: MERCAPTAN
Manufacturers Code Name: 5 MINUTE CLEAR HARDENER

2. COMPOSITION AND INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>% (optional)</th>
<th>CAS Number</th>
<th>OSHA PEL mg/m³</th>
<th>ACGIH TLV-TWA mg/m³</th>
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<tbody>
<tr>
<td>MERCAPTAN POLYMER</td>
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<td>TRIS-2,4,6-</td>
<td>20</td>
<td>90-72-2</td>
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</tr>
<tr>
<td>-(DIMETHYLAMINOMETHYL)PHENOL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. HAZARD IDENTIFICATION

Effects of Overexposure:

INGESTION: HARMFUL IF SWALLOWED
EYE CONTACT: CAUSES EYE IRRITATION.
SKIN CONTACT: CAUSES SKIN IRRITATION
INHALATION: VAPOURS OR MIST, ESPECIALLY AS GENERATED FROM HEATING THE MATERIAL OR AS FROM EXPOSURE IN POORLY VENTILATED AREAS OR CONFINED SPACES, ARE IRRITATING AND CAUSE NASAL DISCHARGE, COUGHING, AND DISCOMFORT IN NOSE AND THROAT. PROLONGED OR REPEATED OVEREXPOSURE CAN CAUSE HARMFUL EFFECTS TO THE LUNGS.

NFPA  Health  Fire  Reactivity
3  1  0

HMIS  Health  Fire  Reactivity  Personal
3  1  0  0

4. FIRST AID MEASURES

Other Instructions:
Emergency First Aid Procedure:

SKIN CONTACT: WASH WITH SOAP AND WATER; WASH CLOTHES BEFORE REUSE.
EYE CONTACT: IRRIGATE WITH WATER FOR FIFTEEN MINUTES; CONSULT PHYSICIAN.
INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR; CONSULT PHYSICIAN.
INGESTION: DO NOT INDUCE VOMITING; CONSULT PHYSICIAN.
5. FIRE-FIGHTING MEASURES

Flash Point (Method Used): >200 °F (PMCC)  
Flammable Limits: NOT DETERMINED

Extinguishing Media: USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON DIOXIDE

Special Fire Fighting Procedures: COOL FLAME-EXPOSED CONTAINERS WITH WATER SPRAY. USE SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREAS.

Unusual Fire and Explosion Hazards: NONE

6. ACCIDENTAL RELEASE MEASURES (Transportation Spills: CHEMTREC (800) 424-9300)

Procedures in Case of Accidental Release, Breakage or Leakage:
VENTILATE AREA. AVOID BREATHING VAPOR. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, INCLUDING APPROPRIATE RESPIRATORY PROTECTION.
CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP. PREVENT ENTRY INTO SEWERS AND WATERWAYS. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

7. HANDLING AND STORAGE

Handling:
MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED. EYE WASH AND SAFETY SHOWER SHOULD BE AVAILABLE NEARBY WHEN THIS PRODUCT IS HANDLED OR USED.

Storage:
MINIMIZE EXPOSURE TO PERIODS OF HIGH TEMPERATURES. AVOID CONTAMINATION OF WATER.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH APPROVED ORGANIC VAPOR RESPIRATORS ARE ONLY REQUIRED WHEN VENTILATION IS INADEQUATE. NIOSH APPROVED AIR-LINE RESPIRATORS WITH AUXILIARY ESCAPE AIR TANKS OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED IN CONFINED SPACES.

Ventilation: LOCAL MECHANICAL EXHAUST.

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment: SAFETY SHOWER AND EYE BATH SHOULD BE PROVIDED. USE COVERALLS OR APRON TO PROTECT AGAINST SKIN AND CLOTHING CONTAMINATION.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (DEG F): N/A  
Specific Gravity (Water=1): 1.13
Vapor Pressure (mm Hg): N/A  
Percent Volatile by Volume: N/A
Vapor Density (Air=1): N/A  
Evaporation Rate Vs Ether: N/A
Solubility in Water: NEGLIGIBLE
Appearance and Order: AMBER LIQUID, SULPHOROUS ODOR

10. STABILITY AND REACTIVITY

Stability: STABLE

Incompatibility (Materials to Avoid):
STRONG OXIDIZERS

Hazardous Decomposition Products:
DECOMPOSITION MAY PRODUCE OXIDES OF CARBON AND NITROGEN.

Hazardous Polymerization: WILL NOT OCCUR.

Conditions to Avoid: OXIDIZING MATERIALS.
11. TOXICOLOGICAL INFORMATION
TOXICOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)
ORAL: NOT DETERMINED
DERMAL: NOT DETERMINED
INHALATION: NOT DETERMINED
IRRITATION INDEX, ESTIMATION OF IRRITATION (SPECIES)
EYES: NOT DETERMINED
SKIN: NOT DETERMINED
SENSITIZATION: NOT DETERMINED
OTHER:

12. ENVIRONMENTAL INFORMATION
MOBILITY: NOT DETERMINED
PERSISTENCE AND BIODEGRADABILITY: NONE
POTENTIAL TO BIOACCUMULATE: NOT DETERMINED
AQUATIC TOXICITY: NOT DETERMINED.

13. DISPOSAL CONSIDERATIONS:
Waste Disposal Method: INCINERATE IN FURNACE OR BURY IN LANDFILL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

14. TRANSPORT INFORMATION
MATERIAL NOT REGULATED UNDER 49CFR, IATA, AND IMDG
HARDENER MAY CAUSE MINOR SKIN IRRITATION

15. REGULATORY INFORMATION
Federal Regulations:
SARA Title III:
Section 302/304 Extremely Hazardous Substances
Chemical Name | CAS Number | Range in % | TPQ | RQ
NONE.

Section 311 Hazardous Categorization:
Acute X Chronic Fire Pressure Reactive N/A

Section 313 Toxic Chemical
Chemical Name | CAS Number
NONE.

CERCLA 102(a)/DOT Hazardous Substances:
NONE.

TSCA Inventory Status:
THIS PRODUCT, OR ITS COMPONENTS, ARE LISTED ON OR ARE EXEMPT FROM THE TOXIC SUBSTANCE CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

States Right-to-Know Regulations:
INTERNATIONAL REGULATIONS:
WHMIS Classification:
NONE.

Canadian Inventory Status:
NONE.
Acute Chronic
Fire Pressure Reactive N/A NONE.
California Prop. 65:
THE FOLLOWING DETECTABLE COMPONENTS OF THIS PRODUCT ARE SUBSTANCES, OR BELONG TO CLASSES OF
SUBSTANCES, KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR REPRODUCTIVE TOXICITY.

Chemical Name   CAS Number
NONE.

THIS PRODUCT, OR ITS COMPONENTS, ARE LISTED ON OR ARE EXEMPT FROM THE CANADIAN DOMESTIC
SUBSTANCE LIST (DSL).

EINECS INVENTORY STATUS:
THIS PRODUCT, OR ITS COMPONENTS, ARE LISTED ON OR ARE EXEMPT FROM THE EUROPEAN INVENTORY OF
EXISTING CHEMICAL SUBSTANCES (EINECS) OR
THE EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (ELINCS).

AUSTRALIAN INVENTORY STATUS:

JAPAN INVENTORY STATUS:
THIS PRODUCT, OR ITS COMPONENTS, ARE LISTED ON OR ARE EXEMPT FROM THE JAPAN MINISTRY OF
INTERNATIONAL TRADE AND INDUSTRY (MITI) INVENTORY.
THIS PRODUCT, OR ITS COMPONENTS, ARE LISTED ON OR ARE EXEMPT FROM THE AUSTRALIAN INVENTORY OF
CHEMICAL SUBSTANCES (AICS).

16. THE INFORMATION IN THIS DATA SHEET IS PROVIDED
INDEPENDENTLY OF ANY SALE OF THE PRODUCT. IT IS PROVIDED FOR THE PURPOSE
OF HAZARD COMMUNICATION AS PART OF RBC'S PRODUCT SAFETY PROGRAM. IT IS INTENDED ONLY AS A
GUIDE TO THE APPROPRIATE PRECAUTIONARY HANDLING OF THE PRODUCT BY A PROPERLY TRAINED
PERSON. YOU ARE ENCOURAGED AND REQUESTED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH
SUCH PRODUCTS OR THE INFORMATION CONTAINED HEREIN. THE DATA RELATES ONLY TO THE SPECIFIC
PRODUCT DESIGNATED, AND DOES NOT RELATE TO USE OF THE PRODUCT IN COMBINATION WITH ANY OTHER
MATERIAL OR USE OF THE PRODUCT IN ANY PROCESS. THE DATA IS
NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS
WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY FOR FITNESS FOR A PARTICULAR PURPOSE IS
MADE WITH RESPECT TO THE PRODUCT, ITS COMPOSITION, ITS SAFETY OR THE INFORMATION CONTAINED IN
THIS DATA SHEET. TO DETERMINE THE APPLICABILITY OR THE EFFECTS OF ANY LAW OR REGULATION WITH
RESPECT TO THE PRODUCT, THE USER SHOULD CONSULT A LEGAL ADVISOR OR THE APPROPRIATE
GOVERNMENT AGENCY. RBC DOES NOT UNDERTAKE TO FURNISH ADVICE ON SUCH MATTERS. CURRENT DATA
SHEETS ARE AVAILABLE FOR ALL RBC PRODUCTS. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL RBC
PRODUCTS YOU BUY, USE OR DISTRIBUTE BY CALLING (800) 272-7752 OR DIRECTING YOUR INQUIRIES TO:
SUPPORT@RBCEPOXY.COM

"The information herein is given in good faith, but no warranty, express or implied, is made."