Safety Data Sheet (SDS)
OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 03/04/2015 Reviewed on 03/04/2015

1 Identification

- **Product identifier**
  - *Trade name: Cured Phenolic Conduit*
  - *Relevant identified uses of the substance or mixture and uses advised against* Conduit and Fittings
  - *Product description* Phenolic Resin and Continuous Fiber Glass (Cured Thermoset Composites)

- **Details of the supplier of the safety data sheet**
  - *Manufacturer/Supplier:*
    Champion Fiberglass, Inc.
    6400 Spring Stuebner Rd.
    Spring, TX 77389
    Phone: 281.655.8900
    Fax: 281.257.2523
    www.championfiberglass.com
  - *Emergency telephone number: 281.655.8900*

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - GHS07
  
  Skin Irrit. 2 H315 Causes skin irritation.
  Skin Sens. 1 H317 May cause an allergic skin reaction.
  STOT SE 3 H335 May cause respiratory irritation.
  
  Eye Irrit. 2B H320 Causes eye irritation.

- **Label elements**
  - **GHS label elements**
    The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms**
    - GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:** Proprietary

- **Hazard statements**
  - Causes skin and eye irritation.
  - May cause an allergic skin reaction.
  - May cause respiratory irritation.

- **Precautionary statements**
  - Avoid breathing dust/fume/gas/mist/vapors/spray
  - Use only outdoors or in a well-ventilated area.
  - Wear protective gloves.
  - Wash thoroughly after handling.
  - Contaminated work clothing must not be allowed out of the workplace.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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Specific treatment (see on this label).
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a poison center/doctor if you feel unwell.
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· Unknown acute toxicity:
  75 percent of the mixture consists of ingredient(s) of unknown toxicity.

· Classification system:
  NFPA ratings (scale 0 - 4)
  Health = 1
  Fire = 1
  Reactivity = 0

· Other hazards
  None known

3 Composition/information on ingredients

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>65977-17-3</td>
<td>Fiber Glass</td>
<td>70-90%</td>
</tr>
<tr>
<td>25986-71-4</td>
<td>Phenolic Resin</td>
<td>15-35%</td>
</tr>
</tbody>
</table>

· Chemical characterization: Mixtures
· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous Components:
  Proprietary
  Acute Tox. 4, H302; Eye Irrit. 2A, H319; Skin Sens. 1, H317 2-12%

· Description of first aid measures
  After inhalation:
  Remove to fresh air. Dust in throat and nasal passages should clear spontaneously. Seek medical attention for discomfort or if coughing or other symptoms do not subside.
  In case of unconsciousness, place patient securely on side position for transportation.
  After skin contact: Immediately wash with water and soap and rinse thoroughly.
  After eye contact:
  Do NOT rub eyes. Immediately rinse opened eye(s) for at least 15 minutes under running water, lifting upper and lower lids occasionally. If symptoms persist, consult a physician.
  Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.
  After swallowing: If swallowed and symptoms occur, consult a doctor.

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- Information for doctor:
  - Most important symptoms and effects, both acute and delayed: No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed: No further relevant information available.

* 5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents:
    Use fire fighting measures that suit the environment.
    CO2, sand, dry chemical, water spray or alcohol resistant foam.
  - Special hazards arising from the substance or mixture
    If product is incinerated it may release toxic fumes including: Oxides of Carbon and Nitrogen (NOx), Aldehydes.
- Advice for firefighters
  - Protective equipment:
    As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

* 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Keep away from ignition sources.
  Avoid raising and breathing dust, and provide adequate ventilation.
  Avoid contact with skin, eyes and clothing.
  - Environmental precautions: Do not allow to enter sewers/surface or ground water.
  - Methods and material for containment and cleaning up:
    Ensure adequate ventilation.
    Pick up mechanically.
    Dispose of the collected material according to regulations.
    Dispose contaminated material as waste according to section 13.
    Use water spray to knock down nuisance dusts.
- Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

* 7 Handling and storage

- Handling:
  - Precautions for safe handling
    Ensure good ventilation/exhaustion at the workplace.
    Prevent formation of dust.
    Avoid contact with skin, eyes and clothing.
    Keep away from sources of ignition.
    Use personal protection equipment as outlined in section 8.
  - Information about protection against explosions and fires: No special measures required.
  - Conditions for safe storage, including any incompatibilities
    Store away from acids, bases, strong oxidizing agents, strong reducing agents, acid Chlorides, Acid Anhydrides, Alkali metals, Aniline, Isocyanates and Amines.
  - Storage:
    - Requirements to be met by storerooms and receptacles: No special requirements.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions: Keep receptacle tightly sealed.

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- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems**: No further data; see section 7.

- **Control parameters**
  All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

- **Components with occupational exposure limits**: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **Additional information**: The lists that were valid during the creation were used as basis.

- **Exposure controls**
  - **Personal protective equipment**:
  
  - **General protective and hygienic measures**:
    
    - Keep away from foodstuffs, beverages and feed.
    - Immediately remove all soiled and contaminated clothing and wash before reuse.
    - Wash hands before breaks and at the end of work.
    - Avoid contact with the eyes and skin.

- **Breathing equipment**:
  Respiratory protection is not required unless handling of the material produces nuisance airborne concentrations.

- **Protection of hands**:

  ![Protective gloves]

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

  Select glove material based on penetration times, rates of diffusion and degradation.

- **Material of gloves**
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**
  The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

- **Eye protection**: Tightly sealed goggles

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance**:
      - **Form**: Paste
      - **Color**: Solid
      - **Odor**: Odorless
      - **Odor threshold**: Not determined.

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10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:**
  - Acids, bases, strong oxidizing agents, strong reducing agents, acid Chlorides, Acid Anhydrides, Alkali metals, Aniline, Isocyanates and Amines.
- **Hazardous decomposition products:** Oxides of Carbon and Nitrogen (NOx), Aldehydes.

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*11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- LD/LC50 values that are relevant for classification:

<table>
<thead>
<tr>
<th>Material</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6 Epoxy resin</td>
<td>&gt;2000 mg/kg (rat)</td>
<td>&gt;2000 mg/kg (rat)</td>
</tr>
</tbody>
</table>

- Primary irritant effect:
  - on the skin:
    Irritant to skin and mucous membranes.
    May cause an allergic skin reaction.
  - on the eye:
    Irritating effect.
    Causes serious eye irritation.
  - Sensitization: Sensitization possible through skin contact.

- Additional toxicological information:
  The product shows the following dangers according to internally approved calculation methods for preparations:
  Irritant

- Carcinogenic categories

  - IARC (International Agency for Research on Cancer)
    None of the ingredients are listed.
  - Group 1 - Carcinogenic to humans
  - Group 2A - Probably carcinogenic to humans
  - Group 2B - Possibly carcinogenic to humans
  - Group 3 - Not classifiable as to its carcinogenicity to humans
  - Group 4 - Probably not carcinogenic to humans

- NTP (National Toxicology Program)
  None of the ingredients are listed.

- OSHA-Ca (Occupational Safety & Health Administration)
  None of the ingredients are listed.

*12 Ecological information

- Toxicity
  - Aquatic toxicity:
    25068-38-6 Epoxy resin
    EC50 (3.6 mg/l (daphnia))

  - Persistence and degradability
    No further relevant information available.

  - Behavior in environmental systems:
    - Bioaccumulative potential
      No further relevant information available.
    - Mobility in soil
      No further relevant information available.

  - Additional ecological information:
    - General notes: Not known to be hazardous to water.
    - Results of PBT and vPvB assessment
      - PBT: Not applicable.
      - vPvB: Not applicable.

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- **Other adverse effects** No further relevant information available.

*13 Disposal considerations*

- **Waste treatment methods**
  - **Recommendation:**
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**
  - **Recommendation:**
    Disposal must be made according to official regulations.
    Dispose of as unused product.

*14 Transport information*

- **UN-Number**
  - DOT, ADR, ADN, IMDG, IATA Non-Regulated Material

- **DOT, ADR, ADN, IMDG, IATA**
  - UN proper shipping name Non-Regulated Material

- **DOT, ADR, ADN, IMDG, IATA**
  - Transport hazard class(es) Non-Regulated Material

- **DOT, ADR, ADN, IMDG, IATA**
  - Class Non-Regulated Material

- **DOT, ADR, ADN, IMDG, IATA**
  - Packing group Non-Regulated Material

- **Environmental hazards:** Not applicable.

- **Special precautions for user** Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

- **UN "Model Regulation":**
  -

*15 Regulatory information*

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**

  - **Section 355 (extremely hazardous substances):**
    50-00-0 formaldehyde

  - **Section 313 (Specific toxic chemical listings):**
    None of the ingredients are listed.

- **TSCA (Toxic Substances Control Act):**
  - 25986-71-4 Phenolic Resin
  - 7732-18-5 water, distilled, conductivity or of similar purity

- **Proposition 65**

  - **Chemicals known to cause cancer:**
    50-00-0 formaldehyde

  - **Chemicals known to cause reproductive toxicity for females:**
    None of the ingredients are listed.

  - **Chemicals known to cause reproductive toxicity for males:**
    None of the ingredients are listed.

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### Chemicals known to cause developmental toxicity:
None of the ingredients are listed.

### Carcinogenic categories

#### EPA (Environmental Protection Agency)
None of the ingredients are listed.

#### TLV (Threshold Limit Value established by ACGIH)
None of the ingredients are listed.

#### NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients are listed.

### GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

#### Hazard pictograms

![GHS07](image)

### Signal word
Warning

### Hazard-determining components of labeling:
Proprietary

### Hazard statements
- Causes skin and eye irritation.
- May cause an allergic skin reaction.
- May cause respiratory irritation.

### Precautionary statements
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves.
- Wash thoroughly after handling.
- Contaminated work clothing must not be allowed out of the workplace.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Specific treatment (see on this label).
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell.
- Wash contaminated clothing before reuse.
- If skin irritation or rash occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- If on skin: Wash with plenty of water.
- Take off contaminated clothing and wash it before reuse.
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

### National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

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Trade name: Cured Phenolic Conduit  

- **State Right to Know**  
  - CAS: 65977-17-3 Fiber Glass 70-90%  
  - CAS: 25986-71-4 Phenolic Resin 15-35%  
  - Proprietary 2-12%  
  - CAS: 7732-18-5 RTECS: ZC 011000  
    - water, distilled, conductivity or of similar purity ≤ 2.5%  
  - All ingredients are listed.  

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.  

**16 Other information**  
The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.  

- **Date of preparation / last revision** 03/04/2015 / -  
- **Abbreviations and acronyms:**  
  - ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
  - ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
  - IMDG: International Maritime Code for Dangerous Goods  
  - DOT: US Department of Transportation  
  - IATA: International Air Transport Association  
  - ACGIH: American Conference of Governmental Industrial Hygienists  
  - EINECS: European Inventory of Existing Commercial Chemical Substances  
  - ELINCS: European List of Notified Chemical Substances  
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)  
  - NFPA: National Fire Protection Association (USA)  
  - HMI: Hazardous Materials Identification System (USA)  
  - LC50: Lethal concentration, 50 percent  
  - LD50: Lethal dose, 50 percent  
  - Acute Tox. 4: Acute toxicity, Hazard Category 4  
  - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
  - Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A  
  - Skin Sens. 1: Sensitisation - Skin, Hazard Category 1  
  - STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  

- **Data compared to the previous version altered.**  
  - SDS created by MSDS Authoring Services www.msdsauthoring.com (877) 204-9106