SAFETY DATA SHEET

Section 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Deionized Water
Other Identifiers: De-ionized Water
Product Code(s): CH 670/CH 671
Manufacturer: AMEREX CORPORATION
Internet Address: www.amerex-fire.com
Address: 7595 Gadsden Highway, P.O. Box 81
Trussville, AL 35173-0081
Company Telephone: (205) 655-3271
E-mail Address: info@amerex-fire.com
Emergency Contacts: Chemtrec 1(800) 424-9300 or (703) 527–3887
Issued: September 13, 2015

Section 2. HAZARDS IDENTIFICATION

GHS – Classification

<table>
<thead>
<tr>
<th></th>
<th>Health</th>
<th>Environmental</th>
<th>Physical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Skin Sensitization</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Eye</td>
<td>None</td>
<td>None</td>
<td>Warning</td>
</tr>
<tr>
<td>Carcinogen</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

GHS – Label Symbol(s): None
GHS – Signal Word(s): None
Other Hazards Not Resulting in Classification: None

GHS – Hazard Phrases

<table>
<thead>
<tr>
<th>GHS Hazard</th>
<th>GHS Codes(s)</th>
<th>Code Phrase(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Health</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Environmental</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Precautionary:
- General: None
- Prevention: None
- Response: None
- Storage: None
Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC No.</th>
<th>REACH Reg. No.</th>
<th>CAS-No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>204-822-2</td>
<td>NA</td>
<td>7732-18-5</td>
<td>100</td>
</tr>
</tbody>
</table>

Emergency overview: Colorless liquid.

Adverse health effects and symptoms: None in normal quantities

Cut-off Levels

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Reproductive Toxicity</th>
<th>Carcinogenicity</th>
<th>Mutagenicity</th>
<th>Other Hazard Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

Section 4. FIRST AID MEASURES

Eye Exposure: None
Skin Exposure: None
Inhalation: May cause coughing. If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if irritation persists.
Ingestion: None under normal conditions
Medical conditions possibly aggravated by exposure: None

Section 5. FIRE-FIGHTING MEASURES

Flammable Properties: Not flammable
Flash Point: None
Suitable Extinguishing Media: Non-combustible. Use extinguishing media suitable for surrounding conditions.
Hazardous Combustion Products: None
Explosion Data:
  Sensitivity to Mechanical Impact: Not sensitive
  Sensitivity to Static Discharge: Not sensitive
Unusual fire/explosion hazards: None
Protective Equipment and Precautions for Firefighters: Not applicable
Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: None in normal quantities.
Personal Protective Equipment: None
Emergency Procedures: Handle in accordance with good health and safety practices.

Methods for Containment: Prevent further leakage or spillage
Methods for Clean Up:
- **Small spill** – Mops and sponges
- **Large spill** – Use pumps if necessary.

Environmental Precautions: None
Other: If product is contaminated, use PPE and containment appropriate to the nature of the most toxic chemical/material in the mixture.

Section 7. HANDLING AND STORAGE

Personal Precautions: None
Conditions for Safe Storage/Handling: None
Incompatible Products: None

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>DFG MAK *</th>
<th>EU BLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>NR</td>
<td>NR</td>
<td>NR</td>
<td>NA</td>
</tr>
</tbody>
</table>

NR = Not Regulated.

Engineering Controls: None
Personal Protective Equipment: Safety glasses

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid
Molecular Weight: 18.02 g/mole
Odor: None
Odor Threshold: No information available
Decomposition Temperature °C: No information available
Freezing Point °C: 0
Initial Boiling Point °C: 100
Physical State: Liquid
pH: 7.0
Flash Point °C: None
Auto-ignition Temperature °C: None
Boiling Point/Range °C: 100
Melting Point/Range °C: Not Applicable
Flammability: Not Flammable
Flammability Limits in Air °C: Upper – Not Flammable; Lower-Not Flammable
Explosive Properties: None
Oxidizing Properties: None
Volatile Component (%vol): Not Applicable
Evaporation Rate: Not Applicable
Vapor Density: 0.62 (Air =1)
Vapor Pressure: 2.3 kPa (at 20°C)
Specific gravity at 25 C: 1.0
Solubility: Not Applicable
Partition Coefficient: Not Applicable

Section 10. STABILITY AND REACTIVITY

Reactivity: Not Applicable
Chemical Stability: Stable under recommended storage and handling conditions.
Incompatibilities: Strong acids and bases
Conditions to Avoid: Not Applicable
Hazardous Decomposition Products: Not Applicable
Possibility of Hazardous Reactions: None
Hazardous Polymerization Does not occur

Section 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, skin, and eye contact.
Symptoms:
  Immediate:
    Inhalation: Coughing.
    Eyes: None.
    Skin: None.
  Delayed: Symptoms appear to be relatively immediate
Acute Toxicity: Non-toxic.
Chronic Toxicity:
  Short-term Exposure: None known.
  Long-term Exposure: None known.
### Acute Toxicity Values - Health

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50</th>
<th>LC50 (Inhalation)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Oral</td>
<td>Dermal</td>
</tr>
<tr>
<td>Water</td>
<td>90 ml/kg (Rat)</td>
<td>Not available</td>
</tr>
<tr>
<td></td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Reproductive Toxicity:** This product's ingredients are not known to have reproductive or teratogenic effects.

**Target Organs and Effects (TOST):** None

### Other Toxicity Categories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Germ Cell Mutagenicity</th>
<th>Carcinogenicity</th>
<th>Reproductive</th>
<th>TOST Single Exp</th>
<th>TOST Repeated Exp</th>
<th>Aspiration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

### Section 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Not Applicable

**Persistence/Degradability:** Possible hazardous degradation products not expected. Long-term degradation products not expected.

**Bioaccumulation:** Not Applicable

**Mobility in soil:** Mobile

**Other Adverse Ecological Effects:** No other known effects at this time

### Aquatic Toxicity Values – Environment – Research

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Acute (LC50)</th>
<th>Chronic (EC50)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Aquatic Toxicity Values – Environment – Estimates

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Acute (LC50)</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Section 13. DISPOSAL CONSIDERATIONS

**Safe Handling**

**Waste Disposal Considerations** Dispose in accordance with federal, state, and local regulations.

**Contaminated Packaging** Dispose in accordance with federal, state, and local regulations.
NOTES:
This product is not a RCRA characteristically hazardous or listed hazardous waste. Dispose of according to state or local laws, which may be more restrictive than federal laws or regulations. Used product may be altered or contaminated, creating different disposal considerations.

Section 14. TRANSPORT INFORMATION

UN Number: NA
UN Proper Shipping Name: NA
Transport Hazard Class: NA
Packing Group: NA
Marine Pollutant?: NO
IATA Not regulated
DOT Not regulated

NOTES:
This product is not defined as a hazardous material under U.S. Department of Transportation (DOT) 49 CFR 172, or by Transport Canada “Transportation of Dangerous Goods” regulations.

Special Precautions for Shipping: Not Applicable

Section 15. REGULATORY INFORMATION

International Inventory Status: All ingredients are on the following inventories

<table>
<thead>
<tr>
<th>Country(ies)</th>
<th>Agency</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States of America</td>
<td>TSCA</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>WHMIS</td>
<td>Not Controlled</td>
</tr>
<tr>
<td>Australia</td>
<td>AICS</td>
<td>Listed or Exempt</td>
</tr>
<tr>
<td>Europe</td>
<td>EINECS/ELINCS</td>
<td>Not Classified</td>
</tr>
</tbody>
</table>

REACH Title VII Restrictions: No information available

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Dangerous Substances</th>
<th>Organic Solvents</th>
<th>Harmful Substances Whose Names Are to be Indicated on Label</th>
<th>Pollution Release and Transfer Registry (Class II)</th>
<th>Pollution Release and Transfer Registry (Class I)</th>
<th>Poison and Deleterious Substances Control Law</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
**Component** | ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying | ISHA – Harmful Substances Requiring Permission | Toxic Chemical Classification Listing (TCCL) – Toxic Chemicals | Toxic Release Inventory (TRI) – Group I | Toxic Release Inventory (TRI) – Group II
---|---|---|---|---|---
Water | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable

**European Risk and Safety phrases:**

EU Classification: Irritant
R Phrases: None
S Phrases: S24/25 – Avoid contact with skin and eyes

**U.S. Federal Regulatory Information:**

SARA 313:
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) - This product does not contain and chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. None of the chemicals in this product are under SARA reporting requirements or have SARA threshold planning quantities (TPQs) or CERCLA reportable quantities (RQs), or are regulated under TSCA 8(d).

SARA 311/312 Hazard Categories:
- Acute Health Hazard
- Chronic Health Hazard
- Fire Hazard
- Sudden Release of Pressure Hazard-*
- Reactive Hazard

* - Only applicable if material is in a pressurized extinguisher.

Clean Water Act:
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any substances regulated as hazardous air pollutants (HAPs) under Section 112 of the Clean Air Act Amendments of 1990.
**U.S. State Regulatory Information:**

Chemicals in this product are covered under specific State regulations, as denoted below:

**Alaska** - Designated Toxic and Hazardous Substances: None  
**California** – Permissible Exposure Limits for Chemical Contaminants: None  
**Florida** – Substance List: None  
**Illinois** – Toxic Substance List: None  
**Kansas** – Section 302/303 List: None  
**Massachusetts** – Substance List: None  
**Minnesota** – List of Hazardous Substances: None  
**Missouri** – Employer Information/Toxic Substance List: None  
**New Jersey** – Right to Know Hazardous Substance List: None  
**North Dakota** – List of Hazardous Chemicals, Reportable Quantities: None  
**Pennsylvania** – Hazardous Substance List: None  
**Rhode Island** – Hazardous Substance List: None  
**Texas** – Hazardous Substance List: None  
**West Virginia** – Hazardous Substance List: None  
**Wisconsin** – Toxic and Hazardous Substances: None

California Proposition 65: No component is listed on the California Proposition 65 list.

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**Section 16. OTHER INFORMATION**

This SDS conforms to requirements under U.S., U.K., Canadian, Australian, and EU regulations or standards, and conforms to the proposed 2003 ANSI Z400.1 format.

Issuing Date: September 13, 2015  
Revision Notes: None

The information herein is given in good faith but no warranty, expressed or implied, is made. Updated by William F. Garvin, CIH.