



SAFETY DATA SHEET

Section 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Deionized Water, Pressurized Water Extinguisher
 Other Identifiers: Pressurized Water Mist Extinguisher
 Product Code(s): CH670/CH671
 Model Codes(s) for Extinguishers: 270, 272
 Manufacturer: SAVA FIRE EQUIPMENT INC.
 Internet Address: www.amerex-fire.com
 Address: 1085 Stacey Court
 Mississauga, ON L4W 2X7
 Company Telephone: (905) 238-6400
 E-mail Address: info@savafire.ca
 Emergency Contacts: Chemtrec 1(800) 424-9300 or
 (703) 527-3887
 Issued: March 7, 2019

Section 2. HAZARDS IDENTIFICATION

GHS – Classification

| Health | Environmental | Physical |
|---------------------------------|---------------|----------|
| Acute Toxicity: None | None | None |
| Skin Corrosion/Irritation: None | None | None |
| Skin Sensitization: None | None | None |
| Eye: None | None | None |
| Carcinogen: None | None | None |

GHS – Label Symbol(s): If Pressurized: Gas Under Pressure 

GHS – Signal Word(s): If Pressurized: Gas Under Pressure: Warning

Other Hazards Not Resulting in Classification: None

GHS – Hazard Phrases

| GHS Hazard | GHS Codes(s) | Code Phrase(s) |
|----------------|--------------|---|
| Physical | H229 | *- Contents under pressure; may explode if heated. |
| Health | None | |
| Environmental | None | |
| Precautionary: | | |
| General | None | |
| Prevention | None | |
| Response | None | |
| Storage | P410+403 | *- Protect from sunlight. Store in well-ventilated place. |
| Disposal | None | |

*- If under pressure

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | EC No. | REACH Reg. No. | CAS-No. | Weight % |
|---------------|-----------|----------------|-----------|----------|
| Water | 204-822-2 | NA | 7732-18-5 | 100 |

Adverse health effects and symptoms: None in normal quantities

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:

If pressurized – Protect from sunlight and store in a well-ventilated place.

Incompatible Products:

None

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| Chemical Name | OSHA PEL | ACGIH TLV | DFG MAK * | EU BLV |
|---------------|----------|-----------|-----------|--------|
| Water | NR | NR | NR | NA |

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. |
| Incompatibles: | 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

| Chemical Name | LD50 | | LC50 (Inhalation) |
|---------------|------------------|---------------|-------------------|
| | Oral | Dermal | |
| Water | > 90 ml/kg (Rat) | Not available | Not available |

| | |
|-----------------------------------|---|
| Reproductive Toxicity: | This product's ingredients are not known to have reproductive or teratogenic effects. |
| Target Organs and Effects (TOST): | None |

Other Toxicity Categories

| Chemical Name | Germ Cell Mutagenicity | Carcinogenicity | Reproductive | TOST Single Exp | TOST Repeated Exp | Aspiration |
|---------------|------------------------|-----------------|--------------|-----------------|-------------------|------------|
| Water | None | None | None | None | None | None |

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

| Chemical Name | Acute (LC50) | Chronic (EC50) |
|---------------|--------------|----------------|
| Water | N/A | N/A |

Aquatic Toxicity Values – Environment – Estimates

| Chemical Name | Acute (LC50) | EC50 |
|---------------|--------------|------|
| Water | N/A | N/A |

Section 13. DISPOSAL CONSIDERATIONS

Safe Handling: None.
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. This transportation information covers the CH 670-671 Water Mist fire extinguisher agent as shipped in bulk containers and not when contained in fire extinguishers or fire extinguisher systems.

Special Precautions for Shipping:

If shipped in a stored pressure-type fire extinguisher, and pressurized with a non-flammable, non-toxic inert expellant gas, the fire extinguisher is considered a hazardous material by the US Department of Transportation and Transport Canada. The proper shipping name shall be FIRE EXTINGUISHER and the UN designation is UN 1044. The DOT hazard class/division is LIMITED QUANTITY when pressurized to less than 241 psig and when shipped via highway or rail. UN Class 2.2. Non-Flammable Gas, when shipping via air. Packing Group – N/A

Section 15. REGULATORY INFORMATION

International Inventory Status: All ingredients are on the following inventories

| Country(ies) | Agency | Status |
|--------------------------|---------------|------------------|
| United States of America | TSCA | Yes |
| Canada | WHMIS | Not Controlled |
| Australia | AICS | Listed or Exempt |
| Europe | EINECS/ELINCS | Not Classified |

REACH Title VII Restrictions: No information available

| Chemical Name | Dangerous Substances | Organic Solvents | Harmful Substances Whose Names Are to be Indicated on Label | Pollution Release and Transfer Registry (Class II) | Pollution Release and Transfer Registry (Class I) | Poison and Deleterious Substances Control Law |
|---------------|----------------------|------------------|---|--|---|---|
| Water | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

| 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:

R Phrases: None

S Phrases: None

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 | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard-* | Yes |
| Reactive Hazard | No |

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

Clean Water/Clean Air Acts:

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) or Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61) and 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.

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. No modifications of this SDS are authorized by AMEREX Corporation. Questions or comments should be directed to AMEREX Corporation (See Section 1).

| | |
|----------------|--------------------------|
| Issuing Date | 13-September-2015 |
| Revision Date | 7-March-2019; Revision D |
| 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.