



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: 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
 Revised: May 01, 2024; Revision F

Section 2. HAZARDS IDENTIFICATION

GHS – Classification

Hazard Class	Category	Signal Word
Aerosols	Category 3	Warning

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	*Pressurized Container may burst if heated.
Health	None	
Environmental	None	
Precautionary:		
General	P101	If medical advice is needed, have product container or label at hand.
Prevention	P210	*Keep away from heat, hot surface, sparks, open flames, and other ignition sources. No smoking.
	251	*Do not pierce or burn, even after use.
Response	None	
Storage	P410+403	*Protect from sunlight. Store in well-ventilated place.
Disposal	None	

*- Fire extinguishers are designed to be used to extinguish fires.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	REACH Reg. No.	CAS-No.	Weight %
Water	231-791-2	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.

Environmental Precautions:

Large spill – Use pumps if necessary.

Other:

None

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
<u>Other Adverse Ecological Effects:</u>	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 any 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).

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Revision Notes	None

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