

Material Safety Data Sheet

Product Name: Firex Air Water Extinguisher
Yuyao Air Water Extinguisher
Date Revised: 02 May 2018

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Firex Air Water Extinguisher Yuyao Air Water Extinguisher
Other Names:	FXAW Firex Air Water Extinguisher - 9.0L YAW Yuyao Air Water Extinguisher - 9.0L
Recommended use of the chemical and restrictions on use:	Fire extinguishing agent.
Supplier Name:	Firex Distribution (Australia) Pty Ltd
Address:	Unit 5, 11 Packard Ave Castle Hill NSW 2154 Australia
Telephone Number:	+61 2 9680 8811 (9am – 5pm AET, Mon-Fri)
Emergency Number:	Emergency 000 Firex +61 415 528 974
Website:	www.firex.com.au
Email:	info@firex.com.au

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the hazardous chemical

Classification according to the WHS Regulations Australia and the ADG Code.

Classified as Dangerous – Gases under Pressure – Compressed Gas

Label Elements

Hazard Pictograms:



Pictogram Code: GHS04 Gas Cylinder

Signal Word: WARNING

Hazard Statements

H280 Contains gas under pressure; may explode in heated

Precautionary Statements

Prevention:

Response:

Storage:	P410 + P403 Protect from sunlight. Store in a well-ventilated place.
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SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical identity of ingredients:	Water H ₂ O
Proportion of ingredients:	To 100%
CAS No.:	7732-18-5
Chemical identity of ingredients:	Nitrogen
Proportion of ingredients:	Unknown (gas varies)
CAS No.:	7727-37-9

SECTION 4 – FIRST AID MEASURES

Eye contact (symptoms, special & medical treatment):	Not Applicable
Skin contact (symptoms, special & medical treatment):	Not Applicable
Inhalation (symptoms, special & medical treatment):	Not Applicable
Ingestion (symptoms, special & medical treatment):	Not Applicable

Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable extinguishing equipment:	This preparation is an extinguishing media. Use extinguishing media suitable for surrounding area.
Specific hazards arising from the chemical:	Not Applicable.
Special protective	None.

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equipment and precautions for fire fighters:	
Hazchem Code:	Not Applicable

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Not Applicable
Environmental precautions:	Not Applicable
Methods and materials for containment and cleaning up:	Contain the spill where possible

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling	
Safe handling:	<ul style="list-style-type: none">• Wear protective clothing when risk of exposure occurs• Do not eat, drink or smoke when handling• Always wash hands with soap and water after handling• Use good occupational work practice
Other information:	<ul style="list-style-type: none">• Observe manufacturer's storage and handling recommendations contained within this MSDS• Store in original container or fire extinguisher• Keep containers securely sealed when not in use
Conditions for safe storage, including any incompatibilities:	
Storage requirements:	<ul style="list-style-type: none">• Observe manufacturer's storage and handling recommendations contained within this MSDS• Store in original container or fire extinguisher• Keep containers securely sealed when not in use
Unsuitable storage containers:	Not known.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits			
Occupational exposure limits according to the <i>Workplace Exposure Standards for Airborne Contaminants</i> , Safe Work Australia.			
Chemical Name	CAS No.	TWA¹	STEL²

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Water	7732-18-5	Not classified
Nitrogen	7727-37-9	Not classified

¹ TWA (8-hour Time Weighted Average)- means the maximum average airborne concentration of a substance when calculated over an eight-hour working day, for a five-day working week.

² STEL (Short Term Exposure Limit)- means the time-weighted average maximum airborne concentration of a substance calculated over a 15 minute period.

Engineering controls:	Not Applicable
Personal protective equipment:	Eye protection - safety goggles. Skin protection - chemical resistance gloves.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (colour, physical form, shape):	Clear liquid.
Odour:	None.
Odour threshold:	Not Applicable
pH:	Not Applicable
Vapour pressure:	Not Applicable
Vapour density:	Not Applicable
Boiling point/range:	100°C
Freezing/melting point (specify which):	-2°C
Evaporation rate:	Data not available
Flammability:	Not Applicable
Upper/Lower Flammability or Explosive limits:	Not flammable
Solubility (specify solvent, e.g. water):	Not Applicable
Relative density:	1.00 (Water = 1)
Partition coefficient (n-octanol/water):	Not Applicable.
Flash point and method of detecting flash point:	None
Ignition temperature:	Not Applicable.
Decomposition temperature:	Not Applicable.

Viscosity:	Not applicable.
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SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	None
Chemical stability:	Stable
Possibility of Hazardous reactions:	None known.
Conditions to avoid:	Not applicable.
Incompatible materials:	Not applicable.
Hazardous decomposition products:	Not applicable.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological effects

This product has not been tested for toxicological effects.

Acute toxicity:	Data not available
Skin corrosion / irritation:	Not applicable
Serious eye damage/irritation:	Not applicable
Respiratory or skin sensitisation:	Not applicable
Germ cell mutagenicity:	Data not available
Carcinogenicity:	Data not available.
Reproductive toxicity:	Data not available.
Specific Target Organ Toxicity (STOT) – single exposure:	Data not available.
Specific Target Organ Toxicity (STOT) – repeated exposure:	Data not available.
Aspiration hazard:	Data not available.

Information on possible routes of exposure

Eye contact:	Data not available.
Skin contact:	Data not available.
Inhalation:	Data not available.

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Ingestion:	Data not available.
Early onset symptoms related to exposure	
	Data not available.
Delayed health effects from exposure	
	Data not available.
Exposure levels and health effects	
	Data not available.
Interactive effects	
	Data not available.
Mixture of chemicals	
	Data not available.
Other information	
	No other information available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	Not determined.
Persistence and degradability:	Not applicable.
Mobility:	Not determined.
Environmental fate (exposure):	In extreme cases where high concentrations occur, can be harmful to aquatic life.
Bioaccumulative potential:	Not determined.
Ecotoxicity:	
	Non-toxic.
Persistence and degradability:	Data not available.
Mobility in soil:	Data not available.
Bioaccumulative potential:	Data not available.
Other adverse effects:	Data not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal methods and containers:	Dispose of in compliance with national, regional and local provisions that may be in force.
Physical / Chemical Properties that may affect disposal options:	Not known
Effects of Sewerage Disposal:	Not known

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Special precautions for landfill or incineration:

None.

SECTION 14 - TRANSPORT INFORMATION

Labels Required



2.2 Non flammable, non toxic gas

Land Transport (ADG)

Classification as Dangerous Goods according to the *Australian Code for the Transport of Dangerous Goods by Road & Rail (Ed 7.3, August 2014), National Transport Commission.*

UN Number:

1044

Proper Shipping Name:

FIRE EXTINGUISHERS with compressed gas or liquefied gas

Transport hazard class:

Class 2.2
Subrisk Not Applicable

Packing Group:

Not Applicable

Environmental hazards for Transport Purposes:

Not Applicable

Special precautions for user:

Special Provisions: 225

Hazchem Code:

Not Applicable

Air Transport (ICAO, IATA - DGR)

Classification as Dangerous Goods according to the *Dangerous Goods Regulations, International Air Transport Association (IATA).*

UN Number:

1044

Proper Shipping Name:

FIRE EXTINGUISHERS with compressed gas or liquefied gas

Transport hazard class:

Class 2.2
Subrisk Not Applicable

Packing Group:

Not Applicable

Environmental hazards for Transport Purposes:

Not Applicable

Special precautions for user:

Special Provisions: A19
Cargo Only Packing Instructions: 213
Passenger and Cargo Packing Instructions: 213

Hazchem Code:

Not Applicable

Sea Transport (IMO - IMDG)

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Classification as Dangerous Goods according to the *International Maritime Dangerous Goods Code (IMDG), International Maritime Organisation (IMO)*.

UN Number:	1044
Proper Shipping Name:	FIRE EXTINGUISHERS with compressed gas or liquefied gas
Transport hazard class:	Class 2.2 Subrisk Not Applicable
Packing Group:	Not Applicable
Environmental hazards for Transport Purposes:	Not Applicable
Special precautions for user:	EMS Number: F-C, S-V Special Provisions: 225
Hazchem Code:	Not Applicable

SECTION 15 - REGULATORY INFORMATION

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

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.

SECTION 16 - OTHER INFORMATION

Date of preparation or last revision of the MSDS:	Rev C, 02 May 2018
Disclaimer	The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Firex Distribution (Australia) Pty Ltd shall not be held liable for any damage or loss resulting from handling or from contact with the above product.

End MSDS