

Material Safety Data Sheet

Product Name: Firex Wet Chemical Extinguisher
Yuyao Wet Chemical Extinguisher
Date Revised: 02 May 2018

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Firex Wet Chemical Extinguisher; Yuyao Wet Chemical Extinguisher
Other Names:	FXWC20 Firex Wet Chemical Extinguisher - 2.0L FXWC20 Firex Wet Chemical Extinguisher - 7.0L YWC20 Yuyao Wet Chemical Extinguisher - 2.0L YWC20 Yuyao Wet Chemical Extinguisher - 7.0L
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.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical identity of ingredients:	Potassium Citrate
Proportion of ingredients:	30-60%
CAS No.:	6100-05-6
Chemical identity of ingredients:	Water H ₂ O
Proportion of ingredients:	To 100%
CAS No.:	7732-18-5
Chemical identity of ingredients:	Nitrogen UN1066
Proportion of ingredients:	Unknown (gas varies)
CAS No.:	7727-37-9

SECTION 4 – FIRST AID MEASURES

Eye contact (symptoms, special & medical treatment):	Remove contact lenses. Immediately irrigate with copious amounts of water for at least 15 minutes. Eyelids to be held open. Seek medical advice.
Skin contact (symptoms, special & medical treatment):	Wash affected areas with water.
Inhalation (symptoms, special & medical treatment):	Remove victim to fresh air. Investigate possible misuse of material. Seek medical attention.
Ingestion (symptoms, special & medical treatment):	Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce Vomiting. Seek medical advice. Never give anything by mouth to an unconscious person.
Indication of any immediate medical attention and special treatment needed	
Provide general supportive measures and treat symptomatically.	

SECTION 5 - FIRE FIGHTING MEASURES

Firex Distribution (Australia) Pty Ltd
ATF Firex Trust

ABN 75 468 726 200

P: 1300 246 247
F: (02) 9659 2033
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W: www.firex.com.au

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 equipment and precautions for fire fighters:	Wear breathing apparatus and protective gloves. Prevent, by any means available, spillage from entering drains or water courses.
Hazchem Code:	Not hazardous

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency procedures:	
Methods and materials for containment and clean up:	
Personal precautions, protective equipment and emergency procedures:	Prevent skin and eye contact, as well as inhalation and ingestion. Wear appropriate PPE and clothing to minimise the risk of exposure.
Environmental precautions:	Contain the spill. If contamination occurs in sewers or waterways, inform the local water authority in accordance with regulations of that jurisdiction.
Methods and materials for containment and cleaning up:	Contain and recover the product when possible. Collect product in an appropriate container and place in a chemical waste container. Dispose of in compliance with national, regional and local provisions that may be in force.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Safe handling:	<ul style="list-style-type: none">• Avoid contact with skin and eyes.• Wear appropriate PPE.• Always wash hands with soap and water after handling• Observe good industrial hygiene practices• 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 away from sources of heat or ignition / naked lights

	<ul style="list-style-type: none">• Store in a cool, dry, well-ventilated area• 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 away from sources of heat or ignition / naked lights• Store in a cool, dry, well-ventilated area• Store in original container or fire extinguisher• Keep containers securely sealed when not in use• Store at -4°C - 49°C.• As with all aqueous solutions, do not put in contact with any materials which react violently with water.
Unsuitable storage containers:	Not known.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

No Exposure Standards have been assigned by the National Occupational Health and Safety Commission for this mixture or its ingredients.

Engineering controls:	Ensure adequate ventilation, especially in confined areas. Observe occupational exposure limits and minimise the risk of exposure.
Personal protective equipment:	Eye protection - safety goggles with side shields. Skin protection - chemical resistance gloves. Respiratory & Ingestion protection - Not normally required under normal conditions of use. If vapours reach irritating levels, wear a NIOSH-approved respirator equipped with organic vapour cartridges.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (colour, physical form, shape):	Clear, liquid
Odour:	Neutral
Organic threshold	Not available
pH:	7.2 (1% soln)
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Boiling point/range:	100°C
Freezing/melting point (specify which):	Data not available
Evaporation rate:	Not applicable
Flammability:	Not available

Upper/Lower Flammability or Explosive limits:	Not applicable
Solubility (specify solvent, e.g. water):	Completely soluble
Relative density:	1.29 (Water = 1)
Partition coefficient (n-octanol/water):	Data not available
Flash point and method of detecting flash point:	Not flammable
Ignition temperature:	Not applicable
Decomposition temperature:	Data not available
Viscosity:	Data not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	Data not available
Chemical stability:	Stable at normal conditions.
Possibility of Hazardous reactions:	Data not available
Conditions to avoid:	Data not available
Incompatible materials:	Strong oxidizing materials
Hazardous decomposition products:	Data not available

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:	Data not available
Serious eye damage/irritation:	Data not available
Respiratory or skin sensitisation:	Data not available
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:	Mildly irritating following acute exposure.
Skin contact:	May cause skin irritation, which can result in redness, itchiness, swelling and possibly lead to dermatitis. Continual exposure to dilute solutions will cause loss of natural skin oils, and drying of skin.
Inhalation:	Not applicable.
Ingestion:	Not a likely source of exposure, however, concentrate may cause irritation to mouth, throat and gastro-intestinal tract. Potential symptoms include nausea, diarrhoea, abdominal pain and vomiting.
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:


No ecological data available for this mixture

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
Special precautions for landfill or incineration:	Not known

SECTION 14 - TRANSPORT INFORMATION

Labels Required	 2.2 Non flammable, non toxic gas
Land Transport (ADG)	
Classification as Dangerous Goods according to the <i>Australian Code for the Transport of Dangerous Goods by Road & Rail (Ed 7.3, August 2014), National Transport Commission.</i>	
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 <i>Dangerous Goods Regulations, International Air Transport Association (IATA).</i>	
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: Restricted
Hazchem Code:	Not Applicable
Sea Transport (IMO - IMDG)	
Classification as Dangerous Goods according to the <i>International Maritime Dangerous Goods Code (IMDG)</i> , <i>International Maritime Organisation (IMO)</i> .	
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