

SDS Safety Data Sheet

Product Name: Fireworld CO2 Fire Extinguisher;
Presto CO2 Fire Extinguisher:
Date Revised: 01 /01/ 2026

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Identifier:

CO2 Fire Extinguisher

Fireworld CO2 fire extinguisher

Presto CO2 fire extinguisher

Other means of Identification:

CO2 Fire Extinguishers	
FW2.0CO2	2.0 KG CO2 - Aluminium cylinder
FW3.5CO2	3.5 KG CO2 - Aluminium cylinder
R3.5CO2	3.5 KG CO2 -STEEL Cylinder
FW5.0CO2	5.0 KG CO2 - Aluminium cylinder
CO2 Fire Extinguishers	
P2.0CO2	2.0 KG CO2 - Aluminium cylinder
P3.5CO2	3.5 KG CO2 - Aluminium cylinder
FW5.0CO2	5.0 KG CO2 - Aluminium cylinder

Recommended use of the chemical and restrictions on use:

Fire extinguishing agent. Vaporising gas.

Supplier Name:

Fireworld Australia

Address:

Unit 27 / 16 Bernera Road Ave Prestons NSW 2170. Australia

Telephone Number:

+61 2 997093422 (9am – 5pm AET, Mon-Fri)

Emergency Number:

Emergency 000
Fireworld 1300 733 064

Website:

www.fireworld.com.au

Email:

info@fireworld.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:	Carbon Dioxide CO ₂
Proportion of ingredients:	100%
CAS No.:	124-38-9

SECTION 4 – FIRST AID MEASURES

Eye contact (symptoms, special)	No adverse effects expected from normal use of this product.
Skin contact (symptoms, special & medical treatment):	In the case of frostbite spray with water for 15 minutes. Apply a sterile dressing. Obtain medical assistance.
Inhalation (symptoms, special & medical treatment):	In high concentrations may cause asphyxiation. Symptoms may include loss of mobility /consciousness. Victim may not be aware of asphyxiation. Under such circumstance seek immediate medical attention.
Ingestion (symptoms, special & medical treatment):	Not an expected route of entry. In case of ingestion, immediately consume large amounts of water and induce vomiting. If irritation persists seek medical attention.
Indication of any immediate medical attention and special treatment	
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:	Ammonia and / or phosphorus oxides can be evolved at very high temperatures.
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 Applicable.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Evacuate area Ensure adequate air ventilation. Monitor oxygen levels. Wear self-contained breathing apparatus in confined spaces.
Environmental precautions:	Refer section 12
Methods and materials for containment and	Not Applicable

cleaning up:

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Safe handling:	<ul style="list-style-type: none"> As a high-pressure vessel caution should be taken to prevent damage to cylinder Wear protective clothing when risk of exposure occurs Use in a well-ventilated area Do not eat, drink or smoke when handling Always wash hands with soap and water after handling Avoid physical damage to containers
Other information:	<ul style="list-style-type: none"> Use good occupational work practice 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

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
Other information	Do not store at temperatures exceeding 50 degrees C. Store in cool ,dry , well ventilated area

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Biological limit values:	Carbon dioxide: ILV (EU) – 8H – (mg.m ³) : 9,000
	Carbon dioxide: ILV (EU) – 8H (ppm) : 5,000
	Carbon dioxide: TLV© – TWA (ppm) : 5,000
	Carbon dioxide: TLV© – STEL (ppm) : 30,000

Occupational Exposure Limits

Occupational exposure limits according to the *Workplace Exposure Standards for Airborne Contaminants*, Safe Work Australia.

Chemical Name	CAS No.	TWA ¹	STEL ²
Carbon Dioxide	124-38-9	ppm: - 5,000 mg/m ³ : 9,000	ppm: - 30,000 mg/m ³ : - 54,000

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:	Check regularly for leakages.
Personal protective equipment:	Eye protection - safety goggles. Skin protection - protective gloves. Respiratory protection – ensure adequate ventilation

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (colour, physical form, shape):	Liquefied gas, colourless
Odour:	None
Odour threshold:	Not Applicable
pH:	Data not available.
Vapour pressure:	57.3 bar at 20 degrees C.
Vapour density:	Gas -1.52 (air=1) Liquid -1.03 (water=1)
Boiling point/range:	-78.5 degrees C
Freezing/melting point (specify which):	-5 degrees C
Evaporation rate:	Data not available.
Flammability:	Not Applicable.
Upper/Lower Flammability or Explosive	Not Applicable.
Solubility (specify solvent, e.g.	2,000. Mg/l
Relative density:	Not Applicable.
Partition coefficient (n-	Not Applicable.
Flash point and	Not Applicable.
Ignition temperatur	Not Applicable.
Decomposition	Not Applicable.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Refer to Section 7.

Chemical stability:	Stable when stored, handled and operated in accordance with this
Possibility of Hazardous reactions:	See below.
Conditions to avoid:	Refer to Section 7.
Incompatible materials:	none
Hazardous decomposition products:	None under normal usage

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological effects

This product has not been tested for toxicological effects.

Acute toxicity:	In High concentration may cause rapid circulatory insufficiency
Skin corrosion / irritation:	Chilling sensation or frost bite following acute long exposure.
Serious eye damage/irritation:	In liquid form Co2 can irritate eyes.
Respiratory or skin sensitisation:	Transient cough, shortness of breath following acute exposure. Symptoms headache ,nausea, and vomiting. Leading to Unconsciousness.
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:	In liquid form Co2 can irritate eyes.
Skin contact:	Mildly irritating following acute exposure.
Inhalation:	In High concentration may cause rapid circulatory insufficiency
Ingestion:	Not an expected route of entry.

Early onset symptoms related to exposure

Data not available.

Delayed health effects from exposure

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Classification not determined.

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	Not known
Disposal: 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	FIRE EXTINGUISHERS with compressed gas or liquefied gas
Name:	
Transport hazard	Class 2.2
class:	Subrisk Not Applicable
Packing Group:	Not Applicable
Environmental	Not Applicable
hazards for	
Transport Purposes:	
Special precautions	Special Provisions: 225
for user:	

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	FIRE EXTINGUISHERS with compressed gas or liquefied gas
Name:	
Transport hazard	Class 2.2
class:	Subrisk Not Applicable
Packing Group:	Not Applicable
Environmental	Not Applicable
hazards for	
Transport Purposes:	
Special precautions	Special Provisions: A19
for user:	Cargo Only Packing Instructions: 213 Passenger and Cargo Packing Instructions: 213

Hazchem Code: Not Applicable

Sea Transport (IMO - IMDG)

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

Revision, Date of SDS:

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. Fireworld Australia Pty Ltd shall not be held liable for any damage or loss resulting from handling or from contact with the above product.

End SDS