



Safety Data Sheet

CARBON DIOXIDE (CO2) FIRE EXTINGUISHER

ISSUE: 1st July 2020

SUPERCEDES: 1st July 2015

Section 1: IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name: Eversafe / FireSafe Carbon Dioxide (CO2) Fire Extinguisher
Other Names: Carbon Dioxide (CO2) Fire Extinguisher
Recommended Use: Extinguishing of Fires (Classes B and E)

Supplier Name: Eversafe Extinguisher Australia Pty Ltd
Address: 465 Lytton Road, Morningside Qld. 4170
Email: sales@eversafe.net.au
Contact 24 Hr: +61 7 3399 8988

Section 2: HAZARDS IDENTIFICATION

Hazard Classification: Dangerous Goods / Non Hazardous Substance
Class: Class 2 Sub Class 2
HAZCHEM Code: 2TE

Section 3: COMPOSITION / INFORMATION ON INGREDIENT

Common Name	Chemical Identity	CAS No	Content %
Carbon Dioxide	CO2	124-38-9	>99.5

Section 4: FIRST AID MEASURES

This product is not hazardous if used for the reason it has been developed.

Eye Contact: Not an expected route of entry when product is used as expected. Chronic exposure may cause cold burn. Flush eyes continually with water.
Skin Contact: Not an expected route of entry when product is used as expected. Chronic exposure may cause cold burn. Apply sterile dressing and obtain medical support.
Inhalation: Call for medical support. Chronic exposure may cause asphyxiation and unconsciousness. Move victim to a non-contaminated area. Low level concentrations may cause headaches and increased respiration.
Ingestion: Not an expected route of entry when product is used as expected.

IN ALL CASES, IF SYMPTOMS CONTINUE SEEK MEDICAL ADVICE AND TREATMENT.

Section 5: FIRE FIGHTING MEASURES

It is a fire extinguishing agent.
Use self-contained breathing apparatus if used within a confined space.

Section 6: ACCIDENTAL RELEASE MEASURES

People Precautions: Evacuate area if a confined space. Ensure the area is well ventilated
Containment and Clean Up methods: Not applicable – ensure the area is well ventilated.



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Section 7: HANDLING AND STORAGE

Handling Precautions:	Protect the cylinders from physical damage.
Storage:	Store cylinders upright in a well ventilated area and in a manner that will not cause them to fall over.
Storage precautions:	Do not store near a heat source - <50°C.

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standards:	ES-TWA (Time Weighted Average)	ES-STEL (Short Term Exposure Limit)
	ppm	mg/m³
	5000	9000
		ppm
		mg/ m³
		30000
		54000
Engineering Controls:	Fire Extinguishers are fitted with a 'burst disc' designed to rupture and safely vent CO ₂ when cylinder pressure exceeds 210 BAR / 21 Mpa / 21,000kpa.	
Biological Limit Values:	Not Available	
Personal Protection Equipment (PPE):	Safety Glasses / Goggles and Gloves are recommended.	

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless Gas	Odour:	None
pH:	Not determined	Vapour Pressure:	50.9 BAR @ 15°C
Vapour Density:	1.873 kg/m ³	Boiling Point / Range:	- 78.5°C
Melting point	- 56.6°C	Flame point:	Nonflammable
Solubility in Water:	1.716 v/v	Specific Gravity / Density:	1.53 (Air=1)
Flash Point:	Nonflammable	UEL / LEL:	Nonflammable
Ignition Temp:	Nonflammable		

Section 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions of handling, use and temperature
Conditions to avoid:	Storage or use in confined spaces.
Substance to avoid:	Strong Oxidising Agents.
Hazardous Decomposition Products:	None under normal conditions of handling, use and temperature.



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Section 11: TOXICOLOGICAL INFORMATION

Eye contact:	Chronic exposure can produce chilling sensations and frostbite.
Skin Contact:	Chronic exposure can produce chilling sensations and frostbite.
Inhalation:	Carbon Dioxide is an asphyxiant. High concentration may cause dizziness and loss of consciousness.
Ingestion:	Not an expected route of entry.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Mobility:	No data available.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Environmental Fate:	Large volumes discharged to atmosphere may contribute to the Greenhouse Effect.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Method:	According to local, State and Federal authority regulations.
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Section 14: TRANSPORT INFORMATION

Transport via:

Road and Rail – Australia

Applicable Regulation:	Australian Code for the Transport of Dangerous Goods by Rail and Road.
Classification:	2.2 - Non Flammable / Non Toxic Gas
UN Number:	1044
Shipping Name:	Fire Extinguishers with Compressed or Liquefied Gas

Marine Transport

Applicable Regulation:	International Maritime Dangerous Goods Code (IMO/IMDG)
Classification/ Division:	2.2 - Non Flammable / Non Toxic Gas
EmS:	F-C, S-V
Hazchem Code:	2TE
UN Number:	1044
Shipping Name:	Fire Extinguishers with Compressed or Liquefied Gas
IMDG Marine Pollutant:	No
Packing Group:	Not Applicable
Special Precautions:	Not Applicable





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Section 14: TRANSPORT INFORMATION contd.

Transport via:

Air Transport

Applicable Regulation: International Air Transport Association (IATA)

NOT RECOMMENDED

Section 15: REGULATORY INFORMATION

Regulatory Information: Carbon Dioxide is an approved gas listed in Australian Standard AS6183.

Section 16: COMPLEMENTARY GENERAL INFORMATION

There is no other purpose allowed. The manufacturer cannot be considered as responsible in case of wrong utilisation or irrelevant use.

This data is based on our knowledge as at the date of issue.

It shall not constitute a guarantee for any specific product featured and shall not establish a legally valid contractual relationship.