



Safety Data Sheet

This safety data sheet complies with the requirements of: WHS regulation 2011

Product name Carbon Dioxide Wheeled Extinguisher

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product name Carbon Dioxide Wheeled Extinguisher
Product code 433537

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use No information available
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier Tyco Fire Protection Products
Level 3, 95 Coventry Street,
Southbank, Australia-Victoria 3006
+613 9313 9711

For further information, please contact

E-mail address psra@tycofp.com

1.4. Emergency telephone number

Emergency Telephone Number 612 9037 2994 (Australia)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

| | |
|----------------------|-------------------------|
| Gases Under Pressure | Compressed Gas - (H280) |
|----------------------|-------------------------|

2.2. Label Elements

Product Identifier



Signal Word

WARNING

hazard statements

H280 - Contains gas under pressure; may explode if heated

EUH210 - Safety data sheet available on request

precautionary statements

P410 + P403 - Protect from sunlight. Store in a well-ventilated place

2.3. Other Hazards

No information available



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SECTION 3: Composition/information on ingredients

3.1 Mixtures

| Chemical name | CAS No | weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|----------------|----------|----------|---|
| Carbon Dioxide | 124-38-9 | > 60% | no data available |

Full text of H- and EUH-phrases: see section 16

Section 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------|--|
| Inhalation | Remove to fresh air. If breathing is difficult, give oxygen. (Get medical attention immediately if symptoms occur.). |
| Skin contact | Wash skin with soap and water. Get medical attention if irritation develops and persists. |
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor. |
| Ingestion | Rinse mouth. Do not induce vomiting without medical advice. If swallowed, call a poison control centre or physician immediately. |

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Unconsciousness.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Product is extinguishing agent. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None

5.2. Special hazards arising from the substance or mixture

None known

Hazardous Combustion Products

Carbon oxides. Fluorinated oxides. Nitrogen oxides (NOx). Oxides of sulphur.

5.3. Advice for firefighters



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Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions

Ensure adequate ventilation, especially in confined areas.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labelled containers.

6.4. Reference to other sections

See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

| Chemical name | Australia |
|----------------------------|---|
| Carbon Dioxide 124-38-9 | 5000 ppm 9000 mg/m ³ 12500 ppm |



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| | |
|--|---|
| | 22500 mg/m ³ 30000 ppm STEL 54000 mg/m ³ STEL |
|--|---|

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Avoid contact with eyes. Tight sealing safety goggles.

Skin and Body Protection Suitable protective clothing.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | | |
|-----------------|-------------------|--------|------------|
| Physical State | Compressed Gas | Colour | Colourless |
| Odour | None | | |
| odour threshold | No data available | | |

| <u>Property</u> | <u>VALUES</u> | <u>Remarks • Method</u> |
|-------------------------------|-------------------|-------------------------|
| pH | | No data available |
| Melting point/freezing point | | No data available |
| Boiling point / boiling range | -1.4 °C | No data available |
| Flash Point | | No data available |
| Evaporation Rate | | No data available |
| flammability (solid, gas) | | No data available |
| Flammability limit in air | | |
| Upper flammability limit: | | No data available |
| Lower flammability limit: | | No data available |
| Vapour Pressure | | No data available |
| Vapour Density | | No data available |
| Specific gravity | | No data available |
| Water Solubility | | No data available |
| solubility(ies) | | No data available |
| Partition coefficient | | No data available |
| Autoignition Temperature | | No data available |
| Decomposition Temperature | | No data available |
| Kinematic viscosity | | No data available |
| Dynamic viscosity | | No data available |
| Explosive Properties | No data available | |
| Oxidising Properties | No data available | |



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Section 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

hazardous polymerisation

Hazardous polymerisation does not occur.

Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Strong oxidising agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx). Oxides of sulphur. Fluorinated oxides.

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute Toxicity

Product information

Product does not present an acute toxicity hazard based on known or supplied information.

INHALATION

In high concentration the gas may cause a suffocation. Victim may not be aware of asphyxiation. In confined or poorly ventilated areas, vapours can readily accumulate and can cause unconsciousness and death.

Eye Contact

None known.

Skin contact

None known.

INGESTION

Not an expected route of exposure.

Skin Corrosion/Irritation

No information available.

Serious eye damage/eye irritation

No information available.

sensitisation

No information available.

Germ Cell Mutagenicity

No information available.

carcinogenicity

No information available.

Reproductive Toxicity

Lack of oxygen during pregnancy has produced developmental abnormalities in humans and experimental animals.



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| | |
|---------------------------------|---------------------------|
| STOT - Single Exposure | No information available. |
| STOT - Repeated Exposure | No information available. |
| Target organ effects | Respiratory System. |
| Symptoms | Unconsciousness. |
| Aspiration Hazard | No information available. |

Section 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: Disposal considerations

13.1. Waste treatment methods

Waste from Residues/Unused Products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Do not re-use container.

Section 14: Transport information

Note: No information available

IMDG

| | |
|----------------------------------|-----------------------------|
| 14.1 UN/ID no | UN1013 |
| 14.2 Proper Shipping Name | Carbon dioxide |
| 14.3 Hazard class | 2.2 |
| 14.4 Packing group | NOT REGULATED |
| Description | UN1013, Carbon dioxide, 2.2 |



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14.5 Marine Pollutant Not Applicable
14.6 Special Provisions None
EmS-No F-C, S-V
14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC CODE No information available

RID

14.1 UN/ID no UN1013
14.2 Proper Shipping Name Carbon dioxide
14.3 Hazard class 2.2
Labels 2.2 (+13)
14.4 Packing group NOT REGULATED
Description UN1013, Carbon dioxide, 2.2 (13)
14.5 Environmental Hazard Not Applicable
Classification Code 2A
14.6 Special Provisions None

ADR

14.1 UN/ID no UN1013
14.2 Proper Shipping Name Carbon dioxide
14.3 Hazard class 2.2
Labels 2.2
14.4 Packing group NOT REGULATED
Description UN1013, Carbon dioxide, 2.2, (C/E)
14.5 Environmental Hazard Not Applicable
14.6 Special Provisions None
Classification Code 2A
Tunnel restriction code (C/E)

ICAO (air)

14.1 UN/ID no UN1013
14.2 Proper Shipping Name Carbon dioxide
14.3 Hazard class 2.2
14.4 Packing group NOT REGULATED
Description UN1013, Carbon dioxide, 2.2
14.5 Environmental Hazard Not Applicable
14.6 Special Provisions None

IATA

14.1 UN/ID no UN1013
14.2 Proper Shipping Name Carbon dioxide
14.3 Hazard class 2.2
14.4 Packing group NOT REGULATED
Description UN1013, Carbon dioxide, 2.2
14.5 Environmental Hazard Not Applicable
14.6 Special Provisions None
ERG Code 2L

Section 15: Regulatory information

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

National Regulations



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Australia

See section 8 for national exposure control parameters

carcinogenicity

International Inventories

| | |
|---------------|----------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

Revision date 23-Nov-2016

Revision note Not Applicable.

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End of Safety Data Sheet