

Section 1 – Identification

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| Product Name | Carbon Dioxide Cylinder |
| Recommended use of the chemical | Carbonation, pressurisation, dispensing, welding, fire fighting. |
| Details of supplier | MCH Australia PTY LTD, Warehouse 2, 33 – 35 Smith Rd, Springvale, VIC, 3171 |
| Emergency phone number | (03) 9089 0122 |

Section 2 – Hazards Identification

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| Hazard Classification | Classified as hazardous in accordance with the <i>GHS</i> . |
| Signal Word | Warning |



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| Hazard Statements | H280 Contains gas under pressure; may explode if heated – Compressed liquefied gas. H413 May cause long lasting harmful effects to aquatic life – Chapter 4. |
| Precautionary Statements | P273 – Avoid release to the environment. P410 + P403 – Protect from sunlight. Store in a well-ventilated area. |

Section 3 – Composition and Information on Ingredients

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| Carbon Dioxide | CAS 124-38-9 | 99.9% |
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Section 4 – First Aid Measures

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| Description of necessary first aid measures | Inhalation – If inhaled, remove from contaminated area. Use an air-line respirator or Self Contained Breathing Apparatus (SCBA). Apply artificial respiration if not breathing. Provide oxygen if available. Skin Contact – Cold burns: Remove contaminated clothing and gently flush affected areas with warm water (30°C) for 15 minutes. It is recommended that warm water is applied to clothing before removing it so as to prevent further skin damage. Apply sterile dressing and treat as for a thermal burn. For large burns, immerse in warm water for 15 minutes. DO NOT apply any form of direct heat. Seek immediate medical attention. Eye Contact – Cold burns: Immediately flush with tepid water or with saline solution. Hold eyelids apart and rinse for 15 minutes. Immediately call a Poison Centre (13 11 26 AUS, 0800 764 766 NZ) or doctor for further treatment. Ingestion – Not considered a potential route of exposure. |
| Symptoms caused by exposure | Low concentration – May cause increased respiration and headache. High concentration exposure – May cause asphyxiation. Direct contact with liquefied CO ₂ or escaping compressed gas may cause frostbite injury. |
| Medical attention and special treatment | Treat for asphyxia and cold burns. |

Section 5 – Fire Fighting Measures

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| Hazchem code | 2TE |
| Suitable extinguishing equipment | Use water fog to cool containers from protected area. |
| Specific hazards arising from the chemical | Non-flammable. |
| Special protective equipment and precautions for fire fighters | Temperatures in a fire may cause liquid vessels and related equipment to rupture. Storage vessels may contain fine particle insulation materials or foam products which may be hazardous or release hazardous decomposition products in a fire. Cool vessels exposed to fire by applying water from a protected location. Evacuate area if unable to keep vessels cool. |

Section 6 – Accidental Release Measures

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| Personal precautions, PPE and emergency procedures | If the cylinder is leaking, evacuate area of personnel. Inform manufacturer/supplier of leak. Use Personal Protective Equipment as detailed in Section 8. Ventilate area where possible and eliminate ignition sources. |
| Environmental precautions | Prevent from entering areas where accumulation can be dangerous. |
| Methods and materials for containment and cleaning up | Stop the flow of material at low risk. If the leak is irreparable, move the cylinder to a safe and well ventilated area, and allow to discharge. Keep area evacuated and free from ignition sources until any leaked or spilled liquid has evaporated. |

Section 7 – Handling and Storage

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| Precautions for safe handling | Read label before use. Safe work practices are recommended to avoid eye and skin contact. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. |
| Conditions for safe storage | Do not store near combustible materials, heat or ignition sources and foodstuffs. Pressurised liquid containers should be stored upright, below 45°C, in a dry, ventilated area away from areas of heavy traffic and emergency exits. |

Section 8 – Exposure controls and personal protection

Exposure Control Measures

| Component | TWA | | STEL | |
|------------------------------|-------|-------------------|-------|-------------------|
| | ppm | mg/m ³ | ppm | mg/m ³ |
| Carbon dioxide | 5000 | 9000 | 30000 | 54000 |
| Carbon dioxide in coal mines | 12500 | 22500 | 30000 | 54000 |

Biological Monitoring

No biological limit allocated.

Engineering Controls

Avoid inhalation. Use in well ventilated area. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

Individual Protection Measures

Wear safety glasses and insulated gloves. If using over a prolonged period, wear an air-line respirator or Self Contained Breathing Apparatus (SCBA).



Section 9 – Physical and Chemical Properties

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| Appearance | Colourless gas (liquefied under pressure) | Boiling Point | Not available |
| Odour | Odourless | Melting Point | Not available |
| Specific Gravity (20°C) | 1.02 | Viscosity | Not available |
| pH | N/A | Vapour pressure | Not available |
| Solubility (20°C) | Slightly Soluble | Vapour density | 1.53 (Air = 1) |
| Flash Point | Not applicable | Decomposition Temperature | Not available |
| Flammability Limits (%) | 0% | Auto-ignition Temperature | Not available |
| % Volatiles | 100% | Partition Coefficient | Not available |

Section 10 – Stability and Reactivity

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| Chemical Stability | Stable under recommended storage conditions. |
| Possibility of Hazardous Reactions | Will not undergo polymerisation. |
| Conditions to Avoid | Avoid contact with incompatible substances. |
| Incompatible Materials | Moist carbon dioxide is corrosive, hence acid resistant materials are required. Certain properties of some plastics/rubbers may be affected by carbon dioxide. |
| Hazardous Decomposition Products | May evolve toxic gases if heated to decomposition. |

Section 11 – Toxicological Information

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| Eye Contact | Contact with dry ice powder may cause frostbite injury or cold burns. |
| Skin Contact | Contact with dry ice powder may cause frostbite injury or cold burns. |
| Acute Toxicity | Low concentrations of carbon dioxide may cause respiration and headache. |
| Carcinogenicity | Not classified as a carcinogen. |

Section 12 – Ecological Information

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| Ecotoxicity | May cause long-term adverse effects in the environment. |
| Persistence and Degradability | Not expected to be persistent in the aquatic environment. |
| Bioaccumulative Potential | Bioaccumulation is not expected. |
| Mobility in Soil | Not applicable |

Section 13 – Disposal Considerations

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| Disposal Methods | Ensure all liquid and gas supply valves are shut. Notify supplier/manufacturer that you will be returning the portable liquid container. Residual product will be disposed of under the supplier/manufacturer's supervision. |
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Section 14 – Transport Information

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| Road and Rail Transport | Classified as Dangerous Goods by the criteria of the ADG code. |
| UN Number | 1013 |
| Transport Hazard Class | 2.2 |
| Packing Group | None allocated |
| Product Shipping Name | CARBON DIOXIDE |
| Hazchem Code | 2TE |
| Marine Transport | Classified as Dangerous Goods by the criteria of the ADG code. |
| UN Number | 1013 |
| Transport Hazard Class | 2.2 |
| Packing Group | None allocated |
| Product Shipping Name | CARBON DIOXIDE |
| IMDG EMS Fire | F – C |
| IMDG EMS Spill | S – V |
| MARPOL pollution/ship categories | Z – 3 |
| Air Transport | Classified as Dangerous Goods by the criteria of the ADG code. |
| UN Number | 1013 |
| Transport Hazard Class | 2.2 |
| Packing Group | None allocated |
| Product Shipping Name | CARBON DIOXIDE |

Section 15 – Regulatory Information

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| Poison Schedule | No poison schedule has been allocated to this product under the SUSMP. |
| AICS | All chemicals listed on the Australian Inventory of Chemical Substances (AICS). |

Section 16 – Other Information

At the date of issue, this SDS outlines the chemical health and safety hazards related to the product as well as providing general guidelines on safety handling of said product in the workplace. As MCH Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, every user must assess and control the risks associated with the product prior to usage.

For further inquiries and information about the product, contact a Keg King representative or MCH Australia Pty Ltd with the contact details provided in the description below.

MCH Australia Pty Ltd's responsibility for the product as sold is subject to the terms and conditions of sale, of which copies are available on request.

Prepared by:

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