

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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CO2 Disposable Gas Cylinders

Revision 0
Revision date 2011-04-15

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

1.1. Product identifier

Product name	CO2 Disposable Gas Cylinders
Product code	TWN802038[L]

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU15] Manufacture of fabricated metal products, except machinery and equipment;
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1.3. Details of the supplier of the safety data sheet

Company	Weldability Sif
Address	Peters House, The Orbital Centre, Icknield Way, Letchworth Garden City, Hertfordshire, SG6 1ET. UK. www.weldability-sif.com
Telephone	0870 330 7757
Fax	0800 970 7757
Email	service@weldability-sif.com
Email address of the competent person	msds@weldability-sif.com

1.4. Emergency telephone number

Emergency telephone number	0870 330 7757
Company	Weldability Sif 8.30 to 5.30 Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards	No Significant Hazard
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EINECS No.	REACH Registration Number	Conc. (%w/w)	Classification
Carbon Dioxide (Carbon dioxide)		124-38-9	204-696-9		90 - 100%	

SECTION 4: First aid measures

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4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Keep the affected person warm and at rest. If breathing stops, provide artificial respiration. If unconscious and breathing is OK, place in the recovery position. Seek medical attention if irritation or symptoms persist. Concentrations above the recommended OEL may cause: Asphyxiation.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact	Contains refrigerated gas; may cause cryogenic burns or injury. Remove contaminated clothing. Wash with water. Do not wash with solvents or thinners. Thaw frosted parts with lukewarm water. Do not rub affected area.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Contains gas under pressure; may explode if heated.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area.

6.2. Environmental precautions

Advise local authorities if large spills cannot be contained.

6.3. Methods and material for containment and cleaning up

Refer to disposal considerations in Section 13. Keep at temperature not exceeding 50°C. Keep container in a well-ventilated place.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Wear suitable gloves. Keep out of the reach of children.

7.2. Conditions for safe storage, including any incompatibilities

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Keep in a cool, dry, well ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Carbon Dioxide (Carbon dioxide)	WEL 8-hr limit ppm: 5000	WEL 8-hr limit mg/m3: 9150
	WEL 15 min limit ppm: 15000	WEL 15 min limit mg/m3: 27400

8.2. Exposure controls



8.2.1. Appropriate engineering controls: Keep away from foodstuffs, beverages and feed. Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures: Use appropriate personal protective equipment.

Eye / face protection: Wear suitable protective clothing and eye/face protection.

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8.2. Exposure controls

Skin protection - Handprotection	Wear suitable gloves.
Respiratory protection	An air-fed mask is recommended.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Gas
Colour	Colourless
Odour	Odourless
Boiling point	-56.6 °C
Melting point	-78.5 °C
Vapour pressure	5730 Pa
Relative density	1.03 (Water = 1 @ 20 °C)
Solubility	Slightly soluble in water

SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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10.6. Hazardous decomposition products

	None.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	Contains refrigerated gas; may cause cryogenic burns or injury.
Respiratory or skin sensitisation	May cause sensitisation by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Concentrations above the recommended OEL may cause: Asphyxiation.

SECTION 12: Ecological information

Further information

	Avoid release to the environment. Refer to special instructions/Safety data sheets. For large spills: Hazardous to the ozone layer.
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SECTION 13: Disposal considerations

General information

	This material and its container must be disposed of in a safe way. Do not pierce or burn, even after use. Do not allow product to enter drains.
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Disposal methods

	Dispose of in compliance with all. local and national regulations.
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SECTION 14: Transport information

Hazard pictograms

Hazard pictograms



14.1. UN number

	UN1013
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14.2. UN proper shipping name

Proper Shipping Name	CARBON DIOXIDE
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14.3. Transport hazard class(es)

ADR/RID	2
IMDG	2.2
Subsidiary risk	-
IATA	2.2
Subsidiary risk	-

14.4. Packing group

Packing group	-
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	20 C/E
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IMDG

EmS Code	F-C S-V
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IATA

Packing Instruction (Cargo)	-
Maximum quantity	-
Packing Instruction (Passenger)	200
Maximum quantity	75 kg

SECTION 15: Regulatory information

Labelling

Risk phrases	No Significant Hazard.
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: 4 - skin contact. 4 - inhalation. 4 - inhalation. 5 - 5.1. extinguishing media. 11 - acute toxicity. 11 - respiratory or skin sensitisation.
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General information

	The information supplied in this safety data sheet is designed only as guidance for safe use, storage and handling of the product. This information relates only to the specific goods listed and may not be valid for such material used in combination with any other product(s). This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy.
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