Section 1. Product and Company Identification.

1.1 Model Number; SCDE02 v1

1.2 Description; Fire Extinguisher 2kg Carbon Dioxide

1.3 Manufacturer;

Sealey Group.
Kempson Way,
Bury St. Edmunds,
Suffolk.
IP32 7AR

1.4 Emergency telephone number; 44 (0) 1284 757 500 (Office Hours)

Date of source compilation; 01 September 2009

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.
Not classified

2.2 Label elements.
Not applicable.

2.3 Other hazards.
No information available.

Section 3. Substances.

3.1 Chemical Name (substance)	**3.1 CAS No.**	**3.2 Concentration Weight**	**Classification**	
			Hazard Class & Category Code	**Hazard Statements**
Liquefied CO_2	124-38-9	-	Not classified	-

For full text of Phrases and Statements, see Section 16.

Section 4. First Aid Measures.

4.1 Description of first aid measures
Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact
Skin contact with carbon dioxide snow can cause serious frostbite.
Thaw affected spot with cold water and apply sterile bandage to it.

Eye Contact
Immediately flush eyes with cold water.

Ingestion
Not a likely route of exposure.

4.2. Most important symptoms and effects, both acute and delayed
No information available.

4.3. Indication of any immediate medical attention and special treatment needed
No information available.

Section 5. Fire Fighting Measures.

No specific measures required as this product is a fire fighting medium.

Section 6. Accidental Release Measures.

6.1. Personal precautions, protective equipment and emergency procedures
As the extinguisher empties quickly, it can cool down to very low temperatures. Wait several minutes before touching the cylinder and other frozen items because of the danger of frostbite.

6.2. Environmental precautions
This product does not pose an environmental threat.

6.3. Methods and material for containment and cleaning up
In case of gas leakage, provide good ventilation.

6.4. Reference to other sections
See Section 7 for information on Safe Handling
See Section 8 for information of Personal Protective Equipment.
See Section 13 for information on disposal.

Section 7. Handling and Storage.

7.1. Precautions for safe handling
Take care with moving and stacking so there is no danger of a stack collapsing.
Do not tamper with, or damage the extinguisher valve.

7.2. Conditions for safe storage, including any incompatibilities
Store in a dry and cool, well ventilated location.
Do not overheat. Protect from direct sunlight and other heat sources.
Safety device will release all of the cylinder contents when pressure is generated due to overheating.

7.3. Specific end use(s)
Intended for use as a fire extinguisher: Model Number identified in 1.1 with Description stated in 1.2.

Section 8. Exposure Controls/Personal Protection.

In case of mass CO_2 spillage:
Exposure limits:
Long term exposure limit (8 hour TWA): 5,000pm (0.5% by volume)
Short term exposure limit (10 minutes): 15,000ppm (1.5% by volume)

8.1. Control parameters
Ensure adequate ventilation.

8.2. Exposure controls
Appropriate Engineering Controls
No information available.

Eye/Face Protection
Goggles or face mask.

Skin Protection
Gloves to protect from cold.

Respiratory Protection
Facemask with filter type B or breathing aids that are independent of the surrounding air.

Section 9. Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties

The following information is not a technical specification or sales specification.

(a) Appearance:	Colourless gas, may appear as a white mist.
(b) Odour:	Slightly pungent.
(c) Odour threshold;	No information available.
(d) pH:	No information available.
(e) Melting point/freezing point;	Sublimated at -78°C
(f) Initial boiling point and boiling range;	-56.6°C - 31°C depending on pressure.
(g) Flash point;	No information available.
(h) Evaporation rate;	No information available.
(i) Flammability (solid, gas);	Non-flammable.
(j) Upper/lower flammability or explosive limits;	No information available.
(k) Vapour pressure;	No information available.
(l) Vapour density;	No information available.
(m) Relative density;	1.53 (air = 1)
(n) Solubility(ies);	No information available.
(o) Partition coefficient: n-octanol/water;	No information available.
(p) Auto-ignition temperature;	No information available.
(q) Decomposition temperature;	No information available.
(r) Viscosity;	No information available.
(s) Explosive properties;	No information available.
(t) Oxidising properties.	No information available.

9.2 Other information — No information available.

Section 10. Stability and Reactivity.

10.1. Reactivity	No information available.
10.2. Chemical stability	No information available.
10.3. Possibility of hazardous reactions	No information available.
10.4. Conditions to avoid	Heat, direct sunlight, blows, shock.
10.5. Incompatible materials	No information available.
10.6. Hazardous decomposition products	None.

Section 11. Toxicological Information.

11.1. Information on toxicological effects

Carbon dioxide is normally present in the air at approximately 300ppm (0.03%)
Recommended exposure limit for 8 hour time weighted average is 5,000ppm (0.5%)
At 20,000ppm (2%) ~ laboured breathing, headaches, exhaustion
At 50,000ppm (5%) ~ very laboured breathing (four times normal rate) signs of intoxication after 30 minutes
Up to 100,000ppm (10%) ~ very laboured breathing, headaches, visual disturbance, impaired judgement, rapid loss of consciousness.
Above 10% ~ more rapid loss of consciousness, further prolonged exposure to high concentrations may eventually result in death from asphyxiation

Section 12. Ecological Information.

12.1. Toxicity	No information available.
12.2. Persistence and degradability	Converted to oxygen by plant life photosynthesis.
12.3. Bioaccumulative potential	Readily dispersed by ventilation.
12.4. Mobility in soil	No information available.
12.5. Results of PBT and vPvB assessment	No information available.
12.6. Other adverse effects	Contributor to the greenhouse effect.

Section 13. Disposal Considerations.

Disposal must be in accordance with local authority regulation requirements.

The fire extinguisher should be completely discharged prior to disposal.
Vent gas to atmosphere in a well ventilated environment.

Section 14. Transport Information.

ADR. International Carriage of Dangerous Goods by Road.

14.1. UN number	UN 1044
14.2. Name and Description	Fire extinguishers with compressed or liquefied gas
14.3. Class	2
14.4. Packing group	-
14.5. Environmental hazards	Does not present an environmental hazard.
14.6. Special precautions for user	No special precautions necessary.

IATA. International Air Transport Association.

14.1. UN number	UN 1044 with compressed or liquefied gas
14.2. UN Proper Shipping Name/Description	Fire extinguishers
14.3. Class or Division	2.2
14.4. Packing group	-
14.5. Environmental hazards	Does not present an environmental hazard.
14.6. Special precautions for user	No special precautions necessary.

IMDG. International Maritime Dangerous Goods.

14.1. UN number	UN 1044
14.2. UN proper shipping name	Fire extinguishers with compressed or liquefied gas
14.3. Class or Division	2.2
14.4. Packing group	-
14.5. Environmental hazards	Does not present an environmental hazard.
14.6. Special precautions for user	No special precautions necessary.
14.7. Transport in bulk – Maritime only.	Bulk transport is not applicable to this product

Section 15. Regulatory Information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
No information available.

15.2. Chemical safety assessment
No information available.

Section 16. Additional Information.

Full text of Phrases and Statements used in Section 3;

The above information is believed to be accurate and represents the best information currently available.
No warranty is expressed or implied by the above information.
We assume no liability resulting from use of the above information.
The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

Issue level	Date	Revisions
1	13/09/10	First issue.
2	31/07/13	Format only.
3	23/06/15	Format only.
4	01/03/17	Section 3 & 16

End of Safety Data Sheet.