

Safety Data Sheet
Airbomz Pure CO₂

Date: 18.05.2018
Revision Date: N/A
Version: 1

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

1.1 Product Identifier

Substance or preparation trade name: Airbomz Pure CO₂ (Carbon dioxide)
REACH Registered number(s): Listed in Annex IV/V of Regulation (EC) No 1907/2006 (REACH), exempted from registration.
CAS number: 124-38-9
EINECS number: 204-696-9
Synonyms: carbon dioxide

1.2 Relevant identified use of the substance or mixture and uses advised

Use of substance/mixture: canister containing carbon dioxide for use with the Airbomz CO₂ dispenser, omits measured amounts of carbon dioxide at set intervals to enhance plant growth.

1.3 Company/undertaking name and address:

Company Name: Airbomz
183a Higher Union Street
Torre
Torquay
Devon
TQ1 4BY
Telephone: +44(0)1803203237
E-mail: HELLO@AIRBOMZ.COM

1.4 Emergency telephone number:

Emergency telephone number: +44 (0)1803203237

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

2.1.1 classification according to Regulation (EC) No 1272/2008 (CLP):

Physical hazard - Non flammable gas

2.1.2 Classification according to Directive 67/548/EEC (See SECTION 16 for full text of risk phrases)

Not classified

2.1.3 Additional information:

For full text of R-phrases and Hazard and EU hazard statements see SECTION 16.

2.2 Label Elements

Label elements under CLP:

Hazard Statements:

H280: Contains gas under pressure; may explode if heated.

Signal Words: Warning

Hazard Pictograms:



Precautionary Statements: none

Storage: P403: Store in a well-ventilated place.

2.3 Other Hazards

Supplemental hazard information: Not applicable

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Substance or preparation trade name: Airbomz Pure CO₂

Description of the mixture: carbon dioxide

Hazardous Ingredients: carbon dioxide

% Contents:

Carbon dioxide at atmospheric pressure.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General notes:

Following inhalation: Remove person to fresh air and place in comfortable position. Call a poison centre or doctor. In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Low concentrations of CO₂ cause increased respiration and headache.

Following Skin contact: highly pressurized carbon dioxide could cause burns but this product is low pressure so low risk of skin damage.

Following Eye contact: Rinse the eye with water immediately. Remove contact lenses, if present and easy to do. Continue rinsing. Flush thoroughly with water for at least 15 minutes. Get immediate medical assistance. If medical assistance is not immediately available, flush an additional 15 minutes.

Following Ingestion: Ingestion is not considered a potential route of exposure. SEEK MEDICAL ATTENTION DISPLAY LABEL WHERE POSSIBLE. Never give anything by mouth to unconscious person. Do not induce vomiting.

Self –protection of the first aider: No special protection required.

4.2 Most important symptoms and effects, both acute and delayed

Delayed/immediate effects: Respiratory arrest.

4.3 Indication of any immediate medical attention/special treatment

Immediate/special treatment: See first aid treatment in section 4.1. No special treatment required.

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Extinguishing media: Product not flammable. Use correct extinguishing media for surrounding material.

Unsuitable extinguishing media: none

5.2 Special hazards arising from the substance or mixture

Exposure Hazards: pressurized container. Contains gas under pressure – may explode if heated or in fire situation

5.3 Advice for fire-fighters

Advice for fire-fighters: breathing apparatus required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 for non-emergency personnel:

Personal Precautions: ensure area well ventilated.

Protective equipment: ventilated area or breathing apparatus

Emergency procedures: do not allow the liquid to enter drains or water courses.

6.1.2 for emergency responders:

Advice for fire fighters: must wear breathing apparatus

6.2 Environmental precautions

Environmental precautions: do not allow to enter drains or water courses.

6.3 Methods and material for containment and cleaning up

6.3.1 Methods for spill containment: provide adequate ventilation

6.3.2 Clean-up procedures: allow ventilated area to clear and levels to return to normal before entering.

6.4 References to other sections

Reference to other sections: refer to section 8 of SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures: keep in well ventilated area

Measures to prevent fire: protect from sunlight and do not expose to temperatures exceeding 50 °C. do not pierce or burn even after use.

Measures to prevent aerosol and dust generation: not applicable

Measures to protect the environment: do not allow to enter drains or water courses.

Advice on general occupational hygiene: do not pierce or burn, protect from sunlight and high temperatures.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: store between 5-25°C and away from direct sunlight. Keep out of reach of children. Store in a well ventilated area.

Suitable packaging: store in original packaging only.

Storage class: n/a

Further information on storage conditions: none

7.3 Specific end use(s)

Recommendations: insert into dispenser as directed. Follow instructions provided with Airbomz dispenser.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Employ good industrial hygiene practice.

Hazardous ingredients: carbon dioxide

Workplace exposure limits: Occupational Exposure Limits

Chemical name	type	Exposure Limit Values	Source
Carbon dioxide	TWA	5,000 ppm 9,150 mg/m ³	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
	STEL	15,000 ppm 27,400 mg/m ³	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
	TWA	5,000 ppm 9,000 mg/m ³	EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (12 2009)

8.2 Exposure controls

8.2.1 Engineering measures: ensure good ventilation in area of use.

Mixture related measures to prevent exposure during identified uses: n/a

8.2.2 Personal protective equipment:

Respiratory protection: not required if area is adequately ventilated

Hand protection: not applicable

Eye protection: not applicable

Skin protection: not applicable

8.2.3 Environmental exposure controls: do not allow to enter drains.

Mixture related measures to prevent exposure: no specific measures for mixtures.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: colourless

State: gas

Odour: none

pH: 3.7

Melting/freezing point: unknown

Boiling point: unknown

Flash point: unknown

Evaporation rate: unknown

Flammability: not flammable

Vapour pressure: unknown

Vapour density: unknown

Relative density: 1.512 g/cm³

Viscosity: unknown

Oxidising properties: unknown

Explosive properties: unknown

Solubility in water: 2.9 mg/l

9.2 Other information

Other information: None

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity: no data available.

10.2 Chemical stability

Chemical stability: Under storage at normal ambient temperatures (7-30°C) the product is stable.

10.3 Possibility of hazardous reactions

Hazardous reactions: none

10.4 Conditions to avoid

Conditions to avoid: high temperatures, exposure to sunlight. Store between 5-25°C and out of direct sunlight.

10.5 Incompatible materials

Materials to avoid: No known incompatibilities.

10.6 Hazardous decomposition products

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute Toxicity: no toxic effects
Irritation: no toxic effects
Corrosivity: no toxic effects
Sensitization: no toxic effects
Repeated dose toxicity: no toxic effects
Mutagenicity: no toxic effects
Carcinogenicity: no toxic effects
Reproductive toxicity: not a known reproductive toxin.

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicity values: no damage caused by this product.

12.2 Persistence and degradability

Persistence and degradability: not applicable

12.3 Bioaccumulative potential

Bioaccumulative potential: The product is expected to biodegrade and is not expected to persist for long periods in an aquatic environment.

12.4 Mobility in soil

Mobility: Because of its high volatility, the product is unlikely to cause ground or water pollution.

12.5 Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT or vPvB substance.

12.6 Other adverse effects

Other adverse effects:

Global Warming Potential - Global warming potential: 1

When discharged in large quantities may contribute to the greenhouse effect.

Carbon dioxide

UN / IPCC. Greenhouse Gas Global Warming Potentials (IPCC Fourth Assessment Report, Climate Change, Table TS.2 - Global warming potential: 1 100-yr

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/packaging disposal: Dispose of packaging and contents in accordance with local/national regulations

Waste codes/waste designations according to LoW: None

13.1.2 Waste treatment – relevant information: dispose of at local waste disposal site in accordance with local regulations.

13.1.2 Sewage disposal – relevant information: waste should not be released to sewers.

13.1.4 Other disposal recommendations: none

SECTION 14: Transport information

14.1 UN number

UN number: UN1013

14.2 UN proper shipping name

Shipping name: carbon Dioxide

14.3 Transport hazard class(es)

Transport class: 2

14.4 Packing group

Packing group: not applicable

14.5 Environmental hazards

Environmentally hazardous: Not classified as environmentally hazardous.

Marine Pollutant: Not a marine pollutant

14.6 Special precautions for user

Special precautions: none

Tunnel code: C/E

Transport category: not applicable

SECTION 15: Regulatory information

15.1 Safety, health and Environmental regulations/legislation specific for the mixture

EU regulations: not applicable

Authorisations and/or restrictions on use: none

Specific regulations: not applicable

15.2 Chemical safety assessment

Chemical safety assessment: a COSHH assessment has not been carried out.

SECTION 16: Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010 and EC Regulation No 1272/2008.

*Indicates text in the SDS which has been changed since the last revision

Phrases used in Section 2 and Section 3:

H280 Contains gas under pressure; may explode if heated.

Legal Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.