

Safety data sheet

Revision: 26-03-2014
Replaces: 03-09-2010
Version: 02.00/EU_UK

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

1.1. Product identifier

Trade name: 12 gram CO2 capsule
Item number: 15545, 16117

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

Recommended uses: Gasoperated air soft guns.

1.3. Details of the supplier of the safety data sheet

Distributor: ActionSportGames A/S
Bakkegårdsvej 304
3050 Humlebæk
Denmark
Tel: +45 89281888
Fax: +45 49193160
Email: kk@actionsportgames.com

1.4. Emergency telephone number

+45 89281888

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

DPD-classification (Directive 1999/45/EC): -

CLP-classification (Regulation (EC) No 1272/2008): Press. Gas liq. gas;H280

Please see section 16 for the full text of R-phrases and H-phrases.

Most serious harmful effects: Contains gas under pressure, may explode if heated.

2.2. Label elements



Signal word: Warning
H-phrases: Contains gas under pressure, may explode if heated.(H280)
P-phrases: Keep out of reach of children.(P102)
Protect from sunlight. Store in a well-ventilated place.(P410/403)

2.3. Other hazards

Assessment to determine PBT and vPvB has not been made.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Registration number	CAS/EC No.	Substance	DSD-classification (Directive 67/548/EEC)/CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
.	124-38-9-liq	Carbon dioxide	-	99,5	.
.	204-696-9	.	Press. Gas liq. gas;H280	.	.

Please see section 16 for the full text of R-phrases and H-phrases.

Other information: Any letters after the CAS number refer to individual data sets.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. In case of respiratory stop, administer artificial respiration/oxygen (but not the mouth-to-nose method)

Ingestion: Not relevant, as the product is a gas.

Skin: Seek medical advice immediately if symptoms indicate that the gas has been absorbed through the skin. On frostbite: rinse with plenty of lukewarm water (max 37°C). Do not remove clothes until thawed. Seek medical advice.

Eyes: Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice in case of frostbite.

Other information: When obtaining medical advice, show the safety data sheet or label.

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

May cause slight irritation to the skin and eyes.

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

Treat symptoms. In case of shortness of breath, give oxygen.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: The product is not directly flammable. Choose extinguishing agents based on the surrounding fire.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Heating will induce a significant increase in pressure with a risk of bursting. Remove the pressurized cylinder from the danger area if it can be done without risk. Keep well away from the fire. Cool with a water stream if possible. Avoid inhalation of vapour and flue gases – seek fresh air.

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Provide adequate ventilation. Stay upwind/keep distance from source. Wear safety goggles.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended. A cold protection suit is also recommended.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Provide good ventilation.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

The product should be used outdoors. Running water and eye wash equipment must be available. Smoking and naked flames prohibited. All fixtures, pipes, wires and fittings must be free of oil, grease and other oxidizing materials (e.g. solvents). Do not lift pressurized cylinders by the protective cap.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Store in a cool, dry place.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits:

Ingredient:	Exposure limit	Notation
Carbon dioxide	5000 (8h), - (15m) ppm 9000 (8h), - (15m) mg/m3	-

Legal basis: Commission Directive 2000/39/EC. Last amended by Commission Directive 2009/161/EU.

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Wear gloves that protect against cold and pressure effects, e.g. strong leather gloves. The gloves must be loose enough to be shaken off easily. Gloves must conform to EN 374.

Personal protective equipment, respiratory protection: Not required.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquified gas

Colour: Colourless

Odour: Characteristic

Odour threshold: No data

pH (solution for use): No data

pH (concentrate): No data

Melting point/freezing point: -56,6 °C

Initial boiling point and boiling range: -78,55 °C

Flash point: No data

Evaporation rate: No data

Flammability (solid, gas): No data

Upper/lower flammability limits: No data

Upper/lower explosive limits:	No data
Vapour pressure:	57,3 bar (20 °C)
Vapour density:	No data
Relative density:	No data
Solubility:	Insoluble in the following: Water. (2000 mg/l)
Partition coefficient n-octanol/water:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	No data
Oxidising properties:	No data

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

Product vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

Avoid direct sunlight.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral:	By normal handling, gases cannot be ingested. The product does not have to be classified. Test data are not available.
Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	Direct contact may cause frostbite. The skin becomes numb and white. Pains, reddening and wounds follow. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	Splashes of gas in the eyes may cause frostbite. The product does not have to be classified. Test data are not available.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	The gas may displace atmospheric air, thereby causing risk of suffocation. The product does not have to be classified. Test data are not available.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.

Aspiration hazard: The product does not have to be classified. Test data are not available.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Test data are not available.

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid unnecessary release to the environment.

EWC code: Depends on line of business and use, for instance 16 05 05

Return empty pressure containers to the supplier.

SECTION 14: Transport information

ADR/RID

14.1. UN number 2037

14.2. UN proper shipping name RECEPTACLES, SMALL, CONTAINING GAS

14.3. Transport hazard class(es) 2.2

14.4. Packing group -

Hazard identification number -

Tunnel restriction code: E

14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).

ADN

14.1. UN number 2037

14.2. UN proper shipping name RECEPTACLES, SMALL, CONTAINING GAS without a release device, non-refillable, non-flammable

14.3. Transport hazard class(es) 2.2

14.4. Packing group

14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).

Environmental hazard in tank

vessels: -

IMDG

14.1. UN number 2037
14.2. UN proper shipping name RECEPTACLES, SMALL, CONTAINING GAS without a release device, non-refillable
14.3. Transport hazard class(es) 2.2
14.4. Packing group -
14.5. Environmental hazards The product is not a Marine Pollutant (MP).
IMDG Code segregation group: -

ICAO/IATA

14.1. UN number 2037
14.2. UN proper shipping name RECEPTACLES, SMALL, CONTAINING GAS (non-flammable) without a release device, non-refillable
14.3. Transport hazard class(es) 2.2
14.4. Packing group -
14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

Special provisions: None.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Changes have been made in the following sections: 1-16

Abbreviation explanations: PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative
STOT: Specific Target Organ Toxicity

Classification method: Calculation based on the hazards of the known components.

R-phrases: No R-phrases.

H-phrases: H280 Contains gas under pressure, may explode if heated.

Training: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.