

Balloon gas

Product: Helium + Air



Gas safety data sheet

1. Identification of the substance/preparation and of the company

Product name	Balloon gas
Company identification	BOC, Priestley Road, Worsley, Manchester M28 2UT
Emergency phone number	08457 302 302

2. Composition/information on ingredients

Substance/Preparation	Substance.
Components/Impurities	Contains helium and air.
CAS Nr	7440-59-7
EC Nr (from EINECS)	231-168-5

3. Hazards identification

Hazards identification	Compressed gas. In high concentrations may cause asphyxiation. Never deliberately inhale balloon gas. Breathing 100% balloon gas will produce unconsciousness and death due to lack of oxygen.
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4. First aid measures

Inhalation	In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Remove victim to uncontaminated area wearing self-contained breathing apparatus. Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stops.
Ingestion	Ingestion is not considered a potential route of exposure.

5. Fire fighting measures

Specific hazards	Exposure to fire may cause containers to rupture/explode. Non flammable.
Hazardous combustion products	None.
Suitable extinguishing media	All known extinguishants can be used.
Specific methods	If possible, stop flow of product. Move container away or cool with water from a protected position.
Special protective equipment for fire fighters	In confined space use self-contained breathing apparatus.

6. Accidental release measures

Personal precautions	Evacuate area. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Ensure adequate air ventilation.
Environmental precautions	Try to stop release
Clean up methods	Ventilate area

7. Handling and storage

Handling and storage	Cylinders should be secure when stored or in use. Only use cylinder when in an upright position. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Refer to supplier's cylinder handling instructions. Keep cylinder below 50°C in a well ventilated place. Only open the cylinder valve when connected to equipment. Open and close valve slowly. Close cylinder valve when not in use.
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8. Exposure controls/personal protection

Personal protection	Ensure adequate ventilation
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9. Physical and chemical properties

Molecular weight	4
Melting point	Not applicable.
Boiling point	-269°C
Critical temperature	-268°C
Relative density, gas	0.14 (air=1)
Relative density, liquid	Not applicable.
Vapour pressure 20°C	Not applicable.
Solubility mg/l water	1.5 mg/l water.
Appearance/Colour	Colourless gas.
Odour	No odour warning properties.

10. Stability and reactivity

Stability and reactivity	Stable under normal conditions.
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11. Toxicological information

General	No known toxicological effects from this product.
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12. Ecological information

General	No known ecological damage caused by this product.
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13. Disposal considerations

General	Discharge to atmosphere in a well ventilated place. Do not discharge into any place where the gas may accumulate. Contact BOC Gases if guidance is required.
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14. Transport information

UN Nr	1046
Class/Div	2.2
ADR/RID	
Classification Code	1A
ADR/RID Hazard Nr	20
Labelling ADR	Label 2.2: non-flammable non toxic gas.
Other transport information	Avoid transport on vehicles where the load space is not separated from the drivers compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting cylinders ensure that they are firmly secured and: <ul style="list-style-type: none"> - cylinder valve is closed and not leaking - valve outlet cap nut or plug (where provided) is correctly fitted - valve guard is correctly fitted - compliance with applicable regulations.

15. Regulatory information

Number in Annex I of Dir 67/548	Not included in Annex I.
EC Classification	Not classified as dangerous substance.
Labelling of cylinders - Symbols	Label 2.2: non-flammable. non-toxic gas.

16. Other information

Ensure all national/local regulations are observed.

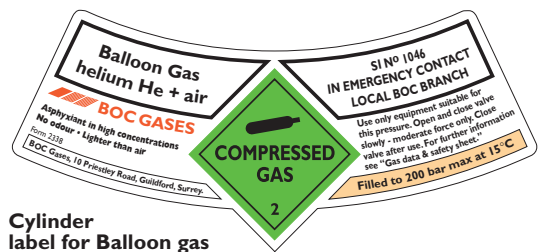
Asphyxiant in high concentrations. Keep container in well ventilated place. Do not breathe the gas.

The hazard of asphyxiation is often overlooked and must be stressed during operator training.

Users of breathing apparatus must be trained.

Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out.

Details given in this document are believed to be correct at the time of going to press. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.



Cylinder label for Balloon gas

