

Helium



Description

Helium is a light, non-flammable gas which is colourless, odourless and tasteless. It is non toxic and is almost a totally inert gas. Significantly it is lighter than air.

Applications

- Balloon inflation
- Welding gas mixtures
- Gas chromatography
- Glass production
- Leak detection
- Heat transfer
- Gas lasers
- Breathing gas mixtures
- Medical gas mixtures
- Scientific research
- Purging gas for metallurgical processes

Hazard statement(s)

- Contains gas under pressure; may explode if heated.

Prevention statement(s)

- None allocated.

Response statement(s)

- None allocated.

Storage statement(s)

- Protect from sunlight. Store in a well-ventilated place.

Other hazards

- No information provided.

Signal Word: Warning
UN No.: 1046
Hazard No.: 2T
Chem Symbol: He
Pictograms:



Helium



Helium inhalation is no laughing matter

Inhaling helium could put your life at risk! Evidence has proven that the inhalation of helium can be fatal, yet thousands of party goers inhale helium thinking it is very funny rather than life threatening. Inhaling helium can cut off the oxygen supply and can cause dizziness, unconsciousness, an embolism and asphyxia which can lead to death.

Health professional strongly urge Australian consumers to know the risks associated with helium inhalation and to always supervise children around helium use.



WARNING!
DO NOT INHALE.
INHALING BALLOON
GAS CAN CAUSE DEATH.

First aid

- If the victim inhales the gas move them to fresh air. If unconscious administer artificial resuscitation if necessary. Treat for shock if required.
- Call for emergency medical treatment, 000.

Cylinder safety

Keep cylinders upright and protect the valves from any physical damage. Secure cylinders in an upright position with a bracket or strap.

- Helium is to be used for inflation only
- If valve is damaged, do not attempt to operate.
- If valve does not operate by hand, return the cylinder to the supplier.



1

Keep balloons attached to weights and never release balloons into the air.



2

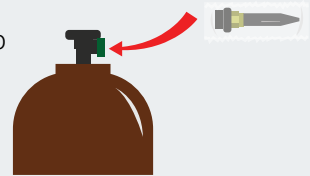
Dispose of balloons responsibly, pop them and put them in the bin.



3

Celebrate responsibly and encourage others to do the same.

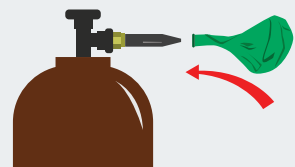
1. Remove shrink wrap and green plug



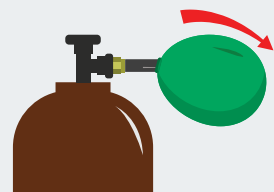
2. Screw in regulator (nice and snug and turn gas valve handle anti-clockwise direction to begin gas flow.*



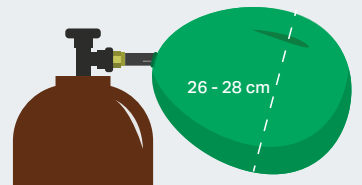
3. Place balloon over end of nozzle and hold securely



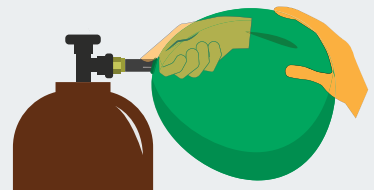
4. Tilt nozzle in a forward direction for gas to flow



5. Release nozzle when balloon reaches 28cm from neck to top



6. Attach clip: Remove balloon from nozzle and twist neck for approx 5cm



7. Tie the ribbon to the balloon



8. Balloon is ready

When done using the cylinder turn the gas valve clockwise to close the gas flow and release the pressure in the regulator by tilting the nozzle down.



Please pop and dispose of thoughtfully



* Due to the helium being under extremely high pressure, Supagas encourages the use of safety glasses during regulator fitment and removal



General Specifications

Specifications	C Cylinder	D Cylinder	E Cylinder	G Cylinder	12 Pack	16 Pack Offshore
Cylinder/Pack (101.325kPa @15°C) - L	0.6	1.2	3.5	9.1	153.0 300 Bar	208.0
Water capacity per cylinder - L	4.6	10	23	50	600	800
Cylinder Colour	Brown					
Outlet Connection	Type 10					
Package Dimensions (H x W x D) - mm	750 x 111	645 x 180	780 x 230	1,510 x 230	1,900 x 780 x 1,020	2155 x 1065 x 1065

Cylinder dimensions are approximate – variations may occur due to manufacturing tolerances. Height includes the valve. Container sizes may vary from state to state.

Package Sizes Available



Quality Assurance

Supagas Pty Ltd is committed to comply with the requirements of ISO 9001-2019 and to continually improve the effectiveness of our Quality Management System.

Everyone at Supagas understands we must provide a safe environment for both our employees and the wider community. We are therefore committed to implement and maintain a continual improvement approach throughout the organisation whilst also meeting all applicable statutory and regulatory requirements.

For Further Information

On how we can help you with all your residential and industrial gas needs, view our website supagas.com.au, call Customer Service on 13 78 72 or drop in to your local Supagas branch.

Typical Analysis

Product Type	He	O ₂	Moisture	CxHy
UHP Grade	>99.999%	<2ppm	<3ppm	0.5ppm
HP Grade	>99.995%	<10ppm	<10ppm	-
Food Grade	>99.995%	<10ppm	<10ppm	<10ppm
Industrial Grade	>99%	<10,000ppm	-	-
Diving Grade	>99.995%	<5ppm	<20ppm	<20ppm