



# Helium (Compressed)

## Safety Data Sheet GCI-009

Date of Issue: 01/01/2021 Revision date: 10/03/2021

### Section 1: Product and company Information

#### 1.1 Product Identifier

Trade Name : Helium  
Formula : He  
MSDS No : GCI-009

#### 1.2 Details of the supplier of the safety data sheet

Name : Globcorp International Co W.L.L  
Address : Shop No 52, Building 2527, Road 1535, Block  
115, Hidd, Kingdom of Bahrain  
Emergency number : +973-34026802/33701856/36487106

#### 1.3 Product Composition / Information of ingredients

Substance name : Helium, compressed.  
Contents : 100%  
Doesn't contain any other components or impurities that will influence the classification.

### Section 2: Hazard Identification

Hazards identification : Compressed gas.  
Colorless, odorless, non-flammable gas.  
Oxidizer.  
Contents under pressure, may explode if heated.

### Section 3: First Aid Measures

After 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 stopped.

After Skin contact : Adverse effects not expected from this product.

After Eye contact : Adverse effects not expected from this product. In case of eye irritation: rinse immediately with



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After Ingestion

plenty of water. Consult an ophthalmologist if irritation persists.  
Ingestion is not considered a potential route of exposure

### Section 4: Firefighting Measures

Flammable class

Specific hazards

Suitable extinguishing media

Specific methods

Special protective equipment

Non-flammable.

Exposure to fire may cause container to rupture or explode.

All known extinguishers can be used.

If possible, stop the flow of product. Use water spray to keep fire-exposed containers cool.

In confined space use self-contained breathing apparatus.

### Section 5: Handling and Storage

Storage

Handling

Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Cylinder temperatures should not exceed 52 °C.

Prevent suck back and back feed into the container.

Use only proper specified equipment which is suitable for this product.

Refer to supplier's container handling instructions. Contact your gas supplier if in doubt.

### Section 6: Exposure controls / Personal protection

Personal protection

Make sure there is adequate ventilation.

### Section 7: Physical and Chemical properties

Physical state at 20°C

: Compressed gas.

Color

: Colorless.

Odor

: No odor warning properties.



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Molecular formula	: He
Molecular weight	: 4
Melting point [°C]	: Not applicable
Boiling point [°C]	: -269
Critical temperature [°C]	: -268
Vapor pressure, 20°C	: Not applicable.
Relative density, gas (air=1)	: 0.14
Relative density, liquid (water=1)	: Not applicable
Solubility in water [mg/l]	: 1.5

### Section 8: Stability and Reactivity

Stability and reactivity

Under normal conditions the product is stable.

### Section 9: Toxicological Information

Toxicity Information

: No known toxicological effects from this product.

### Section 10: Disposal Considerations

General

: Do not discharge into any place where its accumulation could be dangerous.  
Discharge to atmosphere in a well ventilated Place.

### Section 11: Transport information

Transport document description

: UN1046 Helium, compressed, 2.2

UN-NO (DOT)

: UN1046

Proper shipping name

: Helium, compressed

Hazard labels (DOT)

: 2.2 – Non-flammable gas



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Other transport information

Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure that the vehicle driver is aware of the potential hazards of the load and knows what to do in case of an accident or emergency.

Before Transporting product containers

Ensure that containers are firmly secured. Ensure cylinder valve is closed and not leaking. Ensure valve outlet cap nut or plug is correctly fitted.

Ensure valve protection device is correctly fitted. Ensure there is adequate ventilation.

Compliance with applicable regulation.

## Section 12: Other Information

Ensure operators understand the oxygen enrichment.

Keep container in a well ventilated place.

Do not breathe the gas.

Ensure all national/local regulations are observed.

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

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.