



Argon (Compressed)

Safety Data Sheet GCI-002

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

Section 1: Product and company Information

1.1 Product Identifier

Trade Name : Argon (Compressed gas)
Formula : Ar
MSDS No : GCI-002

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 : Argon
Contents : 100%
Contains no other components or impurities which will influence the classification of the product

Section 2: Hazard Identification

Hazards identification : Compressed gas.
May cause asphyxiation in high concentrations.

Section 3: First Aid Measures

After Inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, trained personnel should give oxygen. Call a doctor.

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 plenty of water. Consult an ophthalmologist if irritation persists.



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After Ingestion

Ingestion is not considered a potential route of exposure

Section 4: Firefighting Measures

Flammable class
Specific hazards

Non-flammable.
Exposure to fire may cause containers to rupture/explode.

Suitable extinguishing media
Specific methods

All known extinguishers can be used.
If possible, stop flow of product.
Move away from the container and cool with water from a protected position.

Special protective equipment

In confined space use self-contained breathing apparatus.

Section 5: Handling and Storage

Storage

Keep container below 50°C in a well ventilated place.

Handling

Suck back of water into the container must be prevented.
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

Ensure adequate ventilation

Section 7: Physical and Chemical properties

Physical state at 20°C

: Compressed gas.

Color

: Colorless.

Odor

: No odor warning properties.

Molecular formula

: Ar

Molecular weight

: 40

Melting point [°C]

: -189



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Boiling point [°C]	: -186
Critical temperature [°C]	: -122.4
Vapor pressure, 20°C	: Not applicable
Relative density, gas (air=1)	: 1.38
Relative density, liquid (water=1)	: Not applicable
Solubility in water [mg/l]	: 20
Other data	: gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.

Section 8: Stability and Reactivity

Stability and reactivity : Stable under normal conditions.

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 well ventilated place.

Section 11: Transport information

Transport document description : UN1006 Argon, compressed, 2.2
UN-NO (DOT) : UN1006
Proper shipping name : Argon, compressed
Class (DOT) : 2.2 – Class 2.2 – Non-flammable compressed gas
49 CFR 173.115
Hazard labels (DOT) : 2.2 – Non-flammable



Before Transporting product containers : Ensure that containers are firmly secured.
Ensure cylinder valve is closed and not leaking.



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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

Asphyxiant in high concentration.

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.