
DATA SHEET FOR ARGON DISPOSABLE CYLINDERS

1) Identification of the Substance/ Preparation

Product Name: Argon

Chemical Formula Ar

2) Composition/ Information on Ingredients

Substance/ Preparation: Substance

Components/ Impurities: Contains no other components or impurities which will influence the classification of the product.

3) Hazards Identification

Hazards Identification: Compressed Gas

In high concentrations may cause asphyxiation.

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 stopped.

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 Extinguishable Media: All known extinguishants can be used.

Specific Methods: If possible, stop flow of product.

Move away from the container and 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.

Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

Clean Up Methods: Ventilated area.

7) Handling and Storage

Handling and Storage: Suck back of water into the container must be prevented.

Do not allow backfeed into the container.

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 container handling instructions.

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

8) Exposure Controls/ Personal Protection

Personal Protection: Ensure Adequate Ventilation

9) Physical and Chemical Properties

Molecular Weight: 40

Melting Point: -189°C

Boiling Point: -186°C

Critical Temperature: -122°C

Relative Density, Gas: 1.38 (air=1)

Relative Density, Liquid: Not Applicable

Vapour Pressure 20°C: Not Applicable

Solubility mg/l Water: 61 mg/l

Appearance/ Colour: Colourless Gas

Odour: No odour warning properties.

Flammability Range: Non flammable.

Other Data: Gas/ vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level.

10) Stability and Reactivity

Stability and Reactivity: Stable under normal conditions.

11) Toxicological Information

General: No known toxicological effects from this product.

12) Ecological Information

General: No known ecological damage caused by this product.

13) Disposable Considerations

General: Do not discharge into any place where its accumulation could be dangerous.

To atmosphere in a well ventilated place.

Contact supplier if guidance is required.

14) Transport Information

Proper Shipping Name: Argon, compressed.
UN Nr: 1006
Class/ Div: 2.2
ADR/RID Classification Code: 2, 1°A
ADR/RID Hazard Nr: 20
Labelling ADR: Label 2: Non flammable non toxic gas

Other Transport Information: Avoid transport on vehicles where the load space is not separated from the driver's compartment.

Ensure vehicle driver is aware of the potential hazards of the load knows what to do in the event of an accident or an emergency.

Before transporting product containers ensure that they are firmly secured and:

- cylinder valve is closed and not leaking
- valve outlet cap nut or plug (where provided) is correctly fitted
- valve protection device (where provided) is correctly fitted
- there is adequate ventilation
- 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 preparation.

EC Labelling (Symbols, R &S Phrases): No EC labelling required.

16) Other Information

Asphyxiant in high concentrations.

Keep container in 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.

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

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.

This Data Sheet has been established in accordance with the applicable European Directives and applies to all countries that have translated the Directives in their national laws.