	SAFETY INFORMATION SHEET	Date of issue: Date of revision:
	Trade Name: Argon	Date of printing:

1. Composition/Identification of the responsible on the market

Product name: Argon
 Chemical formula: Ar
 Article-No.:

2. Composition/Product identification:

Substance / preparation: Substance
 Components / impurities: Contains no other components or impurities which influence the classification of the product
 CAS Nr: 07440-37-1
 EEC Nr (from EINECS): 231-147-0

3. Dangers identification:

Hazards identification: Compressed gas. In high concentrations may cause asphyxiation.

4. FIRST AID INSTRUCTIONS.

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 extinguishing media: All know 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. MEASURES IN CASE OF ACCIDENTAL OUTLOW

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 work pits or any place where its accumulation can be dangerous.
 Methods for cleaning/taking up: Ventilate area.

7. HANDLING AND STORAGE


Handling and storage: Suck back of water into the container must be prevented. Do not allow back feed 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 CONTROL / INDIVIDUAL 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
 Solubility mg/l water: 61 mg/l
 Appearance / colour: Colorless gas
 Odour: No odor warning properties.
 Flammability range: Non-flammable.

 ROTHENBERGER Werkzeuge GmbH	SAFETY INFORMATION SHEET	Date of issue: Date of revision:
	Trade Name: Argon	Date of printing:

Other data

Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level

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10. STABILITY AND REAKTIVITY

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 damages caused by this product.

13. CONSIDERATIONS CONCERNING DISPOSAL

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 requested.

14. INFORMATION ON TRANSPORT

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 ADE

Label 2: non-flammable 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 and 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) ist correctly fitted
- valve protection device (where provided) is correctly fitted
- there is adequate ventilation
- compliance with applicable regulations

15. REGULATIONS 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. 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. This safety data sheet has been established in accordance with the applicable European Directives in their national laws. This MSDS is for information purposes only and is subject to change without notice.