

## Safety data sheet Argon, compressed.

Creation date : 27.01.2005  
Revision date : 12.12.2010

Version : 2.0

DE / E

SDS No. : 8303  
page 1 / 2

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

#### Product name

Argon, compressed.  
EC No (from EINECS): 231-147-0  
CAS No: 7440-37-1  
Index-Nr. -

#### Chemical formula Ar

#### REACH Registration number:

Listed in Annex IV/V of Regulation (EC) No 1907/2006 (REACH), exempted from registration.

#### Known uses

Not known.

#### Company identification

Linde AG, Linde Gas Division, Seitnerstraße 70, D-82049 Pullach  
E-Mail Address Info@de.linde-gas.com  
Emergency phone numbers (24h): 089-7446-0

### 2 HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

#### Classification acc. to Regulation (EC) No 1272/2008/EC (CLP/GHS)

Press. Gas - Contains gas under pressure; may explode if heated.

#### Classification acc. to Directive 67/548/EEC & 1999/45/EC

Not classified as hazardous to health.

Asphyxiant in high concentrations.

#### Risk advice to man and the environment

In high concentrations may cause asphyxiation.

Compressed gas.

#### Label Elements

#### - Labelling Pictograms



#### - Signal word

Warning

#### - Hazard Statements

H280 Contains gas under pressure; may explode if heated.

EIGA-As Asphyxiant in high concentrations.

#### - Precautionary Statements

#### Precautionary Statement Prevention

#### Precautionary Statement Reaction

#### Precautionary Statement Storage

P403 Store in a well-ventilated place.

#### Precautionary Statement Disposal

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Preparation:** Substance.

#### Components/Impurities

Argon, compressed.

**CAS No:** 7440-37-1

**Index-Nr.:** -

**EC No (from EINECS):** 231-147-0

#### REACH Registration number:

Listed in Annex IV/V of Regulation (EC) No 1907/2006 (REACH), exempted from registration.

Contains no other components or impurities which will influence the classification of the product.

### 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.

#### Suitable extinguishing media

All known extinguishants can be used.

#### Specific methods

If possible, stop flow of product.

#### Special protective equipment for fire fighters

Use self-contained breathing apparatus and chemically protective clothing.

### 6 ACCIDENTAL RELEASE MEASURES

#### Personal precautions

Evacuate area. 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

Ventilate area.

### 7 HANDLING AND STORAGE

#### Handling

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 handling instructions.

#### Storage

Keep container below 50°C in a well ventilated place. Observe "Technische Regeln Druckgase (TRG) 280 Ziffer 5"

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Personal protection

Ensure adequate ventilation.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

#### General information

## Safety data sheet Argon, compressed.

Creation date : 27.01.2005  
Revision date : 12.12.2010

Version : 2.0

DE / E

SDS No. : 8303  
page 2 / 2

**Appearance/Colour:** Colourless gas.

**Odour:** No odour warning properties.

### Important information on environment, health and safety

**Molecular weight:** 40,00 g/mol

**Melting point:** -189 °C

**Boiling point:** -186 °C

**Critical temperature:** -122,3 °C

**Flammability range:** Non flammable.

**Relative density, gas:** 1,38, Heavier than air.

**Relative density, liquid:** 1,4

**Solubility mg/l water:** 61 mg/l

#### 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 DISPOSAL 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.

**EWC Nr. 16 05 05**

### 14 TRANSPORT INFORMATION

#### ADR/RID

Class 2 Classification Code 1A

#### UN number and proper shipping name

UN 1006 Argon, compressed

UN 1006 Argon, compressed

Labels 2.2 Hazard number 20

Packing Instruction P200

#### IMDG

Class 2.2

#### UN number and proper shipping name

UN 1006 Argon, compressed

Labels 2.2

Packing Instruction P200

EmS FC, SV

#### IATA

Class 2.2

#### UN number and proper shipping name

UN 1006 Argon, compressed

Labels 2.2

Packing Instruction P200

#### 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. Ensure that the cylinder valve is closed and not leaking. Ensure that the valve outlet cap nut or plug (where provided) is correctly fitted. Ensure that the valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.

### 15 REGULATORY INFORMATION

#### Further national regulations

Regulations for the prevention of industrial accidents

Pressure Vessel Regulation

#### Water pollution class

Not polluting to waters according to VwVwS from 27.07.2005.

#### TA-Luft

Not classified according to TA-Luft.

### 16 OTHER INFORMATION

Ensure all national/local regulations are observed. Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out.

#### Advice

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. Details given in this document are believed to be correct at the time of going to press.

#### Further information

Kühn-Birett: Merkblätter gefährliche Arbeitsstoffe

Hommel: Handbook of dangerous goods

Linde safety advice

No. 3 Oxygen deficiency

No. 7 Safe handling of gas cylinders and cylinder bundles

No. 11 Transport of gas receptacles in vehicles

### End of document