



Material Safety Data Sheet Xenon, Compressed

AXCEL GASES

Creation Date: 20.02.2008

MSDS No. : AX-11
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Product name: Xenon Compressed
Chemical formula: Xe
Known uses: Not known
Company: Axcel Gases
Head Office:
1K/49, NIT, Faridabad, 121001, India
Email: info@axcelgases.com
Works:
80 KM Delhi-Jaipur Highway, Distt. Rewari, 123106 Haryana,
India
Email: info@axcelgases.com

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

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

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

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

Not classified as dangerous substance. Asphyxiant in high concentrations.

Risk advice to man and the environment

In high concentrations may cause asphyxiation. Liquefied 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: None

Precautionary Statement Reaction: None

Precautionary Statement Storage

P403

Store in a well-ventilated place.

Precautionary Statement Disposal: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation: Substance.

Components/Impurities

Xenon, Compressed

CAS No: 7440-63-3

Index-Nr.:

EC No (from EINECS) : 231-172-7

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.



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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.

Skin/eye contact:

Immediately flush eyes thoroughly with water for at least 15 minutes. In case of frostbite spray with water for at least 15 minutes. Apply a sterile dressing. Obtain medical assistance.

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 known extinguishants can be used.

Specific methods: If possible, stop flow of product. Move container away or 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: 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

Secure cylinders to prevent them falling. 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: Protect eyes, face and skin from liquid splashes. Ensure adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance/Colour: Colourless gas.

Odour: None.

Important information on environment, health and safety Molecular weight: 131 g/mol

Melting point: -112 °C

Boiling point: -108 °C

Critical temperature: -16,6 °C

Autoignition temperature: Not Applicable

Flammability range: Not Applicable

Relative density, gas: 4,5

Relative density, liquid: 1,5

Critical pressure: 58,4 bar

Solubility mg/l water: 644 mg/l

Maximum filling pressure (bar): 59 bar

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.



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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. May be vented 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: 2A

UN number and proper shipping name

UN 2036 Xenon, Compressed

UN 2036 Xenon, Compressed

Labels: 2.2

Packing Instruction: P200

IMDG

Class : 2.2

UN number and proper shipping name

UN 2036 Xenon, Compressed

Labels : 2.2

Packing Instruction : P200

EmS: FC, SV

IATA

Class : 2.2

UN number and proper shipping name

UN 2036 Xenon, Compressed

Labels : 2.2

Packing Instruction: P200

Other transport information

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:-

Pressure Vessel Regulation

Regulations for the prevention of industrial accidents

Water pollution class: Not polluting to waters according to VwVwS from 17.05.99

TA-Luft: Not classified according to TA-Luft.

16. OTHER INFORMATION

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.

Advice

To prepare this document, help of various source of information available over electronic media has been taken for the sake of safety of the mankind and the environment. Whilst proper care has been taken during preparation of this document, no legal liability of any kind is accepted for any Injury or Damage resulting from the use of the product or information. We do not claim any type of ownership/correctness of this document or the information contained in it.

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