

Safety data sheet

OXYGEN Compressed

1 Identification of the substance/preparation and of the company

1.1 **Product name** : Oxygen compressed

1.2 **Chemische formule** : O₂.

1.3 **Company identification** :

GASCO N.V.
Assenedestraat 4
9940 RIEEME - ERTVELDE
België

1.4 **Emergency phone number**: 09/ 341.97.77

2 Composition/Information on ingredients

2.1 **Substance/preparation** substance

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

2.3 **Cas Nr** 07782-44-7

2.4 **EEC Nr** 231-956-9

3 Hazards identification

Compressed gas

Oxidant. Strongly supports combusting. May react with combusting materials

4 First aid measures

4.1 Inhalation:

- Remove victim to uncontaminated area
- Continuous inhalation of concentrations higher than 75% may cause nausea, dizziness, respiratory difficulty and convulsion

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5 Fire fighting measures

5.1 Specific hazards:

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

5.2 Hazardous combustion products:

- None

5.3 Suitable extinguishing media:

- all known extinguishants can be used.

5.4 Specific methods:

- If possible, stop flow of product.
- Move away from the container and cool with water from a protected position.

5.5 Special protective equipment for fire fighters:

- None

6 Accidental release measures

6.1 Personal precaution:

- Evacuate area
- Eliminate ignition sources.
- Ensure adequate air ventilation.

6.2 Environmental precautions:

- Try to stop release.
- Prevent from entering sewers, basements, and workpits, or any place where its accumulation can be dangerous

6.3 Clean up methods:

- Ventilate area.

7 Handling and storage

7.1 Handling and storage:

- Use oil or grease
- Open valve slowly to avoid pressure shock.
- Segregate from flammable gases and other flammable materials in store
- 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 if in doubt.
- Keep away from ignition sources (including static discharges)
- Refer to supplier's container handling instructions.
- Keep container below 50°C in a well ventilated place.

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8 Exposure controls/personal protection

8.1 Personal protection:

- Do not smoke while handling product.
- Wear suitable hand, body and head protection. Wear goggles with suitable filter lenses when use is cutting/welding
- Avoid oxygen rich(>21%) atmospheres.
- Ensure adequate ventilation.

9 Physical and chemical properties

9.1 Molecular weight	: 32
9.2 Melting point	: -219°C
9.3 Boiling point	: -183°C
9.4 Critical temperature	: -118°C
9.5 Relative density, gas	: 1.1
9.6 Relative density, liquid	: 1.1
9.7 Vapor pressure 20°C	: Not applicable
9.8 Solubility mg/l water	: 39 mg/l
9.9 Appearance /color	: Colorless gas
9.10 Odor	: No odor warning properties.
9.11 Autoignition temperature:	: Not applicable
9.12 Flammability range	: Oxidizer
9.13 Other data	: Gas/Vapor heavier than air. May accumulatz in confined spaces, particularly at or below ground level.

10 Stability and reactivity

10.1 Stability and reactivity:

- May react violently with combustible materials.
- May react violently with reducing agents.
- Violently oxidizes organic material.

11 Toxicological information

11.1 General:

- No known toxicological effects from this product.

12 Ecological information

12.1 General:

- No ecological damage caused by this product.

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13 Disposal considerations

13.1 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

14.1 Proper shipping name:

UN 1072, Oxygen compressed, 2.2

14.2 ADR/RID Classification code :

2.1° O

14.3 ADR/RID Hazard Nr :

25

14.5 Labeling ADR:

Label 2: non flammable non toxic gas

Label 05: Fire intensifying risk

14.6 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) is correctly fitted.
 - Valve protection device(where provided) is correctly fitted.
 - There is adequate ventilation.
- Compliance with applicable regulations.

15 Regulatory information

15.1 Number in Annex I of Dir 67/548:

008-001-00-8

15.2 EC Classification:O;R8

Symbols: O: Oxidizing

Risk phrases: R8: Contact with combusting material may cause fire.

Safety phrases: S17: Keep away from combustible material.

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16 Other information

Ensure operators understand the hazard of oxygen enrichment.

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.

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.

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