

Safety data sheet

NITROGEN

1 Identification of the substance/preparation and of the company

- 1.1 **Product name** : Nitrogen
1.2 **Chemische formule** : N₂.
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** 077727-37-9
2.4 **EEC Nr** 231-738-9

3 Hazards identification

Compressed gas
In high concentration may cause asphyxiation

4 First aid measures

- 4.1 **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

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5 Fire fighting measures

5.1 Specific hazards:

- 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:

- In confined space use self-contained breathing apparatus

6 Accidental release measures

6.1 Personal precaution:

- Evacuate area
- Wear self contained breathing apparatus when entering area unless atmosphere is proved to be safe.
- Ensure adequate air ventilation.

6.2 Environmental precautions:

- Try to stop release.

6.3 Clean up methods:

- Ventilate area.

7 Handling and storage

7.1 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 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

8.1 Personal protection:

- Ensure adequate ventilation.

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9 Physical and chemical properties

9.1 Molecular weight	:	28
9.2 Melting point	:	-210°C
9.3 Boiling point	:	-196°C
9.4 Critical temperature	:	-147°C
9.5 Relative density, gas	:	0.97
9.6 Relative density, liquid	:	Not applicable
9.7 Vapor pressure 20°C	:	Not applicable
9.8 Solubility mg/l water	:	20 mg/l
9.9 Appearance /color	:	Colorless gas
9.10 Odor	:	No odor warning properties.

10 Stability and reactivity

10.1 Stability and reactivity:

- Stable under normal conditions.

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.

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.

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14 Transport information

14.1 Proper shipping name:

UN 1066, Nitrogen compressed, 2.2

14.2 ADR/RID Classification code :

2.1° A

14.3 ADR/RID Hazard Nr :

20

14.5 Labeling ADR:

Label 2: non flammable non toxic gas

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:

Not included in Annex I

15.2 EC Classification:

Not classified as dangerous preparation.

15.3 EC Labeling(symbols, R&S phrases):

16 Other information

No EC Labeling required.

Asphyxiant in high concentration

Keep containers 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.

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