

### 1. Identification of the substance/mixture and Of the Company

**Product Name:** AIR, Compressed.  
**Chemical formula:** Air  
**Uses:** Industrial, Medical and professional. Perform risk assessment prior to use.  
 Contact Supplier for more information

**Company Identification:** Gaz Carbonique Ltée  
 Lot 1, Ground Floor, Le Hub,  
 DBM Industrial Zone, Phoenix  
 Mauritius - Indian Ocean

**Telephone Number:** (230) 603 2992  
**Fax Number:** (230) 696 5973  
**Email address:** contact@gazcarbo.mu

**Contact Person:** Mr. Arnaud Rougier Lagane  
 Chief Operating Manager

### 2. Hazards Identification

#### Classification of the substance or mixture

Physical hazards Gases under pressure: Compressed gas - H280

#### Label Elements

##### - Hazard Pictograms



**Hazard Pictograms code:** GHS04  
**Signal word:** Warning  
**Hazard Statement:** H280 - Contains gas under pressure; may explode if heated.  
**Precautionary Statements:**  
 • **Storage:** P403 - Store in a well-ventilated place.

### 3. Composition/Information on Ingredients

**Substance/Mixture:** Mixture

#### Mixture Name:

Name	Product Identifier	%	Classification
Nitrogen	CAS No : 7727-37-9 EC No : 231-783-9 EC Index No. : Nil REACH-no: *1	79 ± 1	Press. Gas (Comp.). H280
Oxygen	CAS No: 7782-44-7 EC No: 231-956-9 EC Index No.: 008-001-00-8 REACH-no: *1	20.5 ± 1	Ox. Gas 1, H270 Press. Gas (Comp.), H280

Any concentration shown in range is due to batch variation

**REACH Registration Number:**

- \*1: Listed in Annex IV/V of REACH, exempted from registration.
- \*2: Registration deadline not expired.
- \*3: Registration not required: Substance manufacture or imported < 1t/y

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

### 4. First Aid measures

**Inhalation:** Adverse effects not expected from this product  
**Skin/Eye contact:** Adverse effects not expected from this product  
**Ingestion:** Ingestion is not considered a potential route of exposure.

### 5. Fire Fighting Measures

**Special extinguishing media:**

- Suitable extinguishing media: Water spray or fog.
- Unsuitable extinguishing media: Do not use water jet to extinguish.

**Specific Hazards:** Exposure to fire may cause containers to rupture/explode.  
**Hazardous combustion products:** None.

**Specific methods:**

- Use fire control measures appropriate for the surrounding fire.
- Exposure to fire and heat radiation may cause gas receptacles to rupture.
- Cool endangered containers with water spray jet from a protected position.
- Prevent water used in emergency cases from entering sewers and drainage systems.
- Use water spray or fog to knock down fire fumes if possible.
- Move containers away from the fire area if this can be done without risk.
- If possible, stop flow of product.

**Special protective equipment for fire fighters:**

- Use self-contained breathing apparatus.
- Standard protective clothing and equipment.

### 6. Accidental Release Measures

**Personal precautions:** None.  
 Act in accordance with local emergency plan.  
 Stay upwind

**Environmental precautions:** None.

**Clean up methods:** None.

### 7. Handling and Storage

**Safe Use of the product:**

Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt.

Only experienced and properly instructed persons should handle gases under pressure.

The substance must be handled in accordance with good industrial hygiene and safety procedures.

Consider pressure relief device(s) in gas installations.

Do not smoke while handling product.

Ensure the complete gas system was (or is regularly) checks for leaks before use.

## 7. Handling and Storage (continued)

### Safe handling of the gas receptacle:

Do not allow back feed into the container.  
Open valve slowly to avoid pressure shock.  
Suck back of water into the container must be prevented.  
Protect cylinders from physical damage; do not drag, roll, slide or drop.  
Leave valve protection caps in place until the container has been secured against either a wall or bench or placed in a container stand and is ready for use.  
If user experiences any difficulty operating cylinder valve discontinue use and contact supplier.  
Never attempt to repair or modify container valves or safety relief devices.  
Keep container valve outlets clean and free from contaminants particularly oil and water.  
Close cylinder valve after each use and when empty, even if still connected to equipment.  
Replace valve outlet caps or plugs and container caps where supplied as soon as container is disconnected from equipment.  
Never attempt to transfer gases from one cylinder to another.  
Never use direct flame or electrical heating devices to raise the pressure of a container.  
Do not remove or deface labels provided by the supplier for the identification of the cylinder contents.

### Storage:

Keep container below 50°C in a well-ventilated place.  
Keep away from combustible materials.  
Observe all regulations and local requirements regarding storage of cylinders/containers.  
Containers should not be stored in conditions likely to encourage corrosion.  
Containers should be stored in vertical position, and properly secured to prevent toppling.  
Stored containers should be periodically checked for general condition and leakage.  
Stored containers in location free from fire risk and away from sources of heat and ignition.  
Cylinder valve guards or caps should be in place.

## 8. Exposure Controls/Personal Protection

### Control parameters:

**DNEL: Derived no effect level:** None available  
**PNEC: Predicted no effect concentration:** None available

### Engineering controls:

System under pressure should be regularly checked for leakages.  
Provide adequate general and local exhaust ventilation.  
Avoid oxygen rich (>23%) atmospheres.  
Gas detectors should be used when oxidising gases may be released.  
Consider work permit system e.g. for maintenance activities.

### Personal protection & Protective

#### Equipment:

Conduct and document risk assessment in each work area to assess the risks related to the use of the product and select the appropriate PPEs.  
The following recommendations should be considered:  
Wear safety glasses with side shields or goggles when transfilling or breaking transfer connections.  
Wear working gloves when handling gas containers  
Wear safety shoes while handling containers.

### Environmental exposure controls:

None necessary.

## 9. Physical and Chemical Properties

### General Information

#### Appearance

- Physical state at 20°C / 101.3kPa: Gas
- Colour: Colourless

Odour: Odourless.

Odour threshold: Odour threshold is subjective and inadequate to warn for overexposure.

Molar Mass: 29 g/mol

Melting point: Not applicable for gases and gas-mixtures

Boiling point: Not applicable for gases and gas-mixtures

Critical temperature: Not known

Auto-ignition temperature: Not applicable

Flash point (°C): Not applicable for gases and gas-mixtures.

Evaporation rate (ether=1): Not applicable for gases and gas-mixtures.

Flammability range: Non-flammable

Vapour pressure (20°C): Not applicable

Relative density, gas (air=1): 1

Relative density, liquid (water=1): Not applicable

Solubility in water: not known but considered to have low solubility

Partition coefficient n-octanol/water: Not applicable for inorganic gases.

Oxidising properties: None

Other data: None.

## 10. Stability and reactivity

Reactivity: No reactivity hazard other than the effects described in sub-sections below.

Chemical Stability: Stable under normal conditions.

Possibility of hazardous reactions: None.

Conditions to avoid: None under recommended storage and handling conditions (see section 7)

## 11. Toxicological Information

### General

No known toxicological effects from this product.

## 12. Ecological Information

### General

No ecological damage caused by this product

## 13. Disposal Considerations

### General

May be vented to atmosphere.

Contact supplier if guidance is required.

## 14. Transport Information

**UN number:** 1002  
**UN proper shipping Name:** AIR, COMPRESSED  
**Labelling ADR, IMDG, IATA:**



2.2 : Non-Flammable. Non-toxic gases.

### Land Transport (ADR/RID)

**Class:** 2  
**Hazard number:** 20  
**Packing instruction:** P200

### Sea Transport (IMDG)

**Class:** 2.2  
**Packing Instruction:** P200  
**Emergency Schedule (EmS) Fire:** F-C  
**Emergency Schedule (EmS) Spillage:** S-V

### Air Transport (IATA-DGR, ICAO-TI)

**Class:** 2.2  
**Passenger and Cargo Aircraft:** 200  
**Cargo Aircraft Only:** 200

**Special precautions for user:**

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.  
Avoid transport on vehicles where the load space is not separated from the driver's compartment.  
Before transporting product containers:

- Ensure that containers are firmly secured.
- Ensure cylinder valve is closed and not leaking.
- Ensure valve outlet cap nut or plug (where provided) is correctly fitted.
- Ensure valve protection device (where provided) is correctly fitted.
- Ensure there is adequate ventilation.

## 15. Regulatory Information

**EU legislation:** None.  
**National legislation:** Ensure all national/local regulations are observed.

## 16. Other Information

**DISCLAIMER OF LIABILITY:**

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.

**End of document.**