

AIR, COMPRESSED**AL060B**

Label 2.2 : Non flammable, non toxic gas.

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

Trade name : Air Compressed Gas
MSDS Nr : AL060B
Use : Industrial Instrumentation
Scientific
Company identification : Air Liquide Australia Limited
380 St. Kilda Road
Melbourne 3004 Australia
Tel: + 61 3 9697 9888
Fax: + 61 3 9690 7107
ALAEquiries@AirLiquide.com
Emergency phone nr : 1800 812 588

2 HAZARDS IDENTIFICATION

Hazard classification : Not classified as hazardous according to NOHSC criteria.
Classified as a dangerous good by the criteria of the ADG code.
Hazards identification : Refrigerated liquefied gas. Contact with product may cause cold burns or frostbite.
Oxidant. Strongly supports combustion. May react violently with combustible materials.
R Phrase(s) : R8 : Contact with combustible material may cause fire.
S Phrase(s) : S21 : When using do not smoke. - S45 : In case of accident or if you feel unwell,
seek medical advice immediately (show the label when possible).

3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Preparation : Substance.

Substance name	Contents	CAS No	EC No	Annex No	Classification
----------------	----------	--------	-------	----------	----------------

Air (compressed) :

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

4 FIRST AID MEASURES

First aid measures
- **Inhalation** : Not hazardous.
- **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.

5 FIRE-FIGHTING MEASURES

Flammable class : Non flammable.
Specific hazards : Exposure to fire may cause containers to rupture/explode.
Supports combustion.

AIR, COMPRESSED**AL060B****5 FIRE-FIGHTING MEASURES (continued)**

- Hazardous combustion products** : None.
- Extinguishing media**
- Suitable extinguishing media : All known extinguishants can be used.
- Specific methods** : If possible, stop flow of product.
Move away from the container and cool with water from a protected position.
- Special protective equipment for fire fighters** : None.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Evacuate area.
Ensure adequate ventilation.
Eliminate ignition sources.
- Environmental precautions** : Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.
Try to stop release.
- Clean up methods** : Ventilate area.

7 HANDLING AND STORAGE

- Storage** : Keep container below 50°C in a well ventilated place.
Segregate from flammable gases and other flammable materials in store.
Liquid air should only be stored in closed cryogenic receptacles.
- Handling** : Open valve slowly to avoid pressure shock.
Suck back of water into the container must be prevented.
Do not allow backfeed into the container.
Use no oil or grease.
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 container handling instructions.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Personal protection** : Do not smoke while handling product.
Ensure adequate ventilation.
Protect eyes, face and skin from liquid splashes.

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C** : Refrigerated liquefied gas.
- Colour** : Colourless.
- Odour** : None.
- Molecular weight** : 28.9
- Melting point [°C]** : -216
- Boiling point [°C]** : -194
- Critical temperature [°C]** : -142
- Vapour pressure [20°C]** : Not applicable.
- Relative density, gas (air=1)** : 1
- Relative density, liquid (water=1)** : Not applicable.
- Solubility in water [mg/l]** : No reliable data available.

AIR, COMPRESSED

AL060B

9 PHYSICAL AND CHEMICAL PROPERTIES (continued)

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 : May react violently with combustible materials.
May react violently with reducing agents.
Violently oxidises organic material.
Liquid spillages can cause embrittlement of structural materials.

11 TOXICOLOGICAL INFORMATION

Toxicity information : No known toxicological effects from this product.

12 ECOLOGICAL INFORMATION

Ecological effects information : Can cause frost damage to vegetation.

13 DISPOSAL CONSIDERATIONS

General : Do not discharge into any place where its accumulation could be dangerous.
Contact supplier if guidance is required.

14 TRANSPORT INFORMATION

General information

UN No. : 1002

Labelling ADG



: Label 2.2 : Non flammable, non toxic gas.

Land transport

H.I. nr : 20

Proper shipping name : UN1002 AIR, COMPRESSED, 2.2, 1A

HAZCHEM - Emergency Action Code : 2T

: 2 = Fine water spray.

T = Recommended personal protective equipment : Full fire kit and breathing apparatus.

Appropriate measures : dilute.

- **ADG Class** : 2

- **ADG Classification code** : 1 A

- **ADR Packing group** : A

Sea transport

- **IMO-IMDG code** : Class 2

- **IMO Packing group** : A

- **IMDG-Marine pollution** : -

- **Emergency Schedule (EmS) - Fire** : F-C S-V

Air transport

- **ICAO/IATA** : Packaging instructions cargo : 200
Packaging instructions passenger: 200



MATERIAL SAFETY DATA SHEET

Page : 4

Revised edition no : 1

Date : 10 / 5 / 2010

Supersedes : 0 / 0 / 0

AIR, COMPRESSED**AL060B**

14 TRANSPORT INFORMATION (continued)

- Proper shipping name : AIR, COMPRESSED
- Class : 2
- IATA Packing group : A
- 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 there is adequate ventilation.
 - Compliance with applicable regulations.

15 REGULATORY INFORMATION

- EC Classification : Not included in Annex I.
Proposed by the industry.
O; R8
- EC Labelling
- Symbol(s) : O : Oxidizing
- R Phrase(s) : R8 : Contact with combustible material may cause fire.
- S Phrase(s) : S21 : When using do not smoke.
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

16 OTHER INFORMATION

Ensure all national/local regulations are observed.
Ensure operators understand the hazard of oxygen enrichment.
Contact with liquid may cause cold burns/frostbite.

This Safety Data Sheet has been established in accordance with the applicable European Directives and applies to all countries that have translated the Directives in their national laws.

- 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