

Material Safety Data Sheet

Printing date 02/29/2008

Version 2

Reviewed on 02/29/2008

1 Identification of substance

- **Product details**

- **Trade name:** Air, Compressed

- **Article number:** 001-01-0001

- **Creation date:** 08/09/2006

- **Manufacturer/Supplier:**

Linde Canada Limited (formerly BOC Canada Limited)
5860 Chedworth Way
Mississauga, Ontario L5R 0A2
www.lindecana.com

TELEPHONE NUMBER: (905) 501-1700

24-HOUR EMERGENCY TELEPHONE NUMBER: (905) 501-0802

EMERGENCY RESPONSE PLAN NO: 2-0101

Please ensure that this MSDS is received by the appropriate person

- **Information department:** Customer Service Centre: 1-866-385-5349

2 Composition/Data on components

- **Chemical characterization:**

- **CAS No. Description**

132259-10-0 Air Gaseous

3 Hazards identification

- **Hazard description:**

- **WHMIS-symbols:**

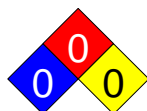
A - Compressed gas



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Physical Hazard = 0

- **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 0
Physical Hazard = 0

- **Information pertaining to particular dangers for man and environment:** Not applicable.

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Classification system:

The classification is in line with internationally approved calculation standards. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

- **After inhalation:** Not hazardous.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Not applicable
- **After swallowing:** Not applicable

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** None required.
- **Measures for environmental protection:** None required.
- **Measures for cleaning/collecting:**
Ensure adequate ventilation.
None required.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Handle with care. Avoid jolting, friction, and impact.
Use only in well ventilated areas.
Store cylinders upright with valve protection cap in place and firmly secured to prevent falling or being knocked over.
If difficulty with operating cylinder valve is experienced discontinue use and contact supplier.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Do not expose cylinder to temperatures higher than 50°C (122 °F)
- **Information about storage in one common storage facility:**
Do not store together with oxidizing and acidic materials.
Sources of ignition should be removed from storage area.
- **Further information about storage conditions:**
Store cylinder in a well ventilated area.

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Store in accordance with local fire code and/or building code or any pertaining regulations.

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* 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No special requirements.
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Protective clothing should be kept free of oil and grease.
PPE should be inspected and maintained regularly to retain it's effectiveness.
- **Breathing equipment:** None required.
- **Protection of hands:** None required.
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Eye protection:** Safety glasses

9 Physical and chemical properties

· General Information

Form:	Gaseous.
Color:	Colorless
Odor:	Odorless

· Change in condition

Boiling point/Boiling range: -194°C

· **Flash point:** Not applicable.

· **Danger of explosion:** Product does not present an explosion hazard.

* 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

* 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** LC50 - None available.
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

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· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The substance is not subject to classification.

* 13 Disposal considerations

· **Product:**

· **Recommendation:**

Cylinder and unused product should be returned to vendor. Disposable cylinder must be disposed of in accordance with local regulations.

· **Uncleaned packagings:**

· **Recommendation:**

Cylinder and unused product should be returned to vendor. Disposable cylinder must be disposed of in accordance with local regulations.

· **Recommended cleansing agent:** None applicable.

* 14 Transport information

· **TDG and DOT regulations:**



- **Hazard class:** 2
- **Identification number:** UN1002
- **Proper shipping name (technical name):** AIR, COMPRESSED
- **Label:** 2.2

· **Maritime transport IMDG:**



- **IMDG Class:** 2.2
- **UN Number:** 1002
- **Label:** 2.2
- **Marine pollutant:** No
- **Propper shipping name:** AIR, COMPRESSED

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 2
- **UN/ID Number:** 1002

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- **Label** 2.2
- **Propper shipping name:** AIR, COMPRESSED

* 15 Regulations

- **Sara**

- **Section 355 (extremely hazardous substances):**

Substance is not listed.

- **Section 313 (Specific toxic chemical listings):**

Substance is not listed.

- **TSCA (Toxic Substances Control Act):**

Substance is not listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

Substance is not listed.

- **Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

- **Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

- **Chemicals known to cause developmental toxicity:**

Substance is not listed.

- **Carcinogeny categories**

- **EPA (Environmental Protection Agency)**

Substance is not listed.

- **NTP (National Toxicology Program)**

Substance is not listed.

- **TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

Substance is not listed.

- **Canadian Ingredient Disclosure list (limit 0.1%)**

Substance is not listed.

- **Canadian Ingredient Disclosure list (limit 1%)**

Substance is not listed.

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· Product related hazard informations:

Observe the general safety regulations when handling chemicals.

The substance is not subject to classification according to the sources of literature known to us.

The product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

· Safety phrases:

Keep away from oxidising agents and acidic substances.

Keep away from flammable organic substances.

In case of fire, use water or powdered extinguishing agent.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:** Customer Service Centre: 1-866-385-5349

· **Contact:** Canada Technical Services: 1-866-385-5349

· *** Data compared to the previous version altered.**

CDN