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1. CHEMICAL PRODUCT

Product Name : **Air, Compressed**
 Chemical Formula : N/A
 Synonyms : Air, Un 1002

2. COMPOSITION, INFORMATION ON INGREDIENTS

Components	CAS Number	% Volume
Compressed Air, Breathing Air	132259-10-0	100%

3. HAZARD IDENTIFICATION

Emergency Overview

Containers may rupture or explode if exposed to heat

Potential Health Effects

Inhalation : No information on significant adverse effects
 Eye contact : No information is available
 Skin contact : No information is available
 Ingestion : Ingestion of a gas is unlikely
 Chronic Health Hazard : None known

4. FIRST AID MEASURES

Eye contact : Flush eyes with plenty of water.
 Skin contact : Wash exposed skin with soap and water.

Ingestion : If a large amount is swallowed, get immediate medical attention.
Inhalation : If adverse effects occur, remove to uncontaminated area. Get medical attention.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing agents appropriate for surrounding fire.
Specific hazards : Negligible fire hazard. Containers may rupture or explode if exposed to heat.
Fire Fighting : Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

6. ACCIDENTAL RELEASE MEASURES

Occupational spill/release : Stop leak if possible without personal risk. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas.
Additional advice : None.

7. HANDLING AND STORAGE

Handling

Secure cylinder when using to protect from falling. Use suitable hand truck to move cylinders.

Storage

Subject to storage regulations: U.S. OSHA 29 CFR 1910.101. Store in accordance with all current regulations and standards. Keep separated from incompatible substances. Store below 52°C. Protect from physical damage. Store in a cool, dry place. Cylinders should be stored upright (with valve protection cap in place).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ACGIH, OSHA and NIOSH have not developed exposure limits for any of this product's components.

Engineering measures/Ventilation

Based on available information, additional ventilation is not required.

Personal protective equipment

Respiratory Protection : Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Protection is ranked in order from minimum to maximum. Consider warning properties before use. For unknown concentrations or Immediately Dangerous to Life or Health – Any supplied-air respirator with a full face piece that is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained

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breathing apparatus operated in pressure-demand or other positive- pressure mode. Any self-contained breathing apparatus that has a full face piece and is operated in a pressure-demand or other positive-pressure mode.

Hand protection : Protective gloves are not required, but recommended.
Eye protection : Eye protection not required under normal conditions.
Skin and body protection : Protective clothing is not required under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Gas.
Color : Colorless.
Odor : Odorless.
Molecular weight : 28.975
Vapor pressure : 760 mmHg @ -194°C
Vapor density : 1.29 g/L @ 0°C
Specific gravity : 1.00 (air = 1)
Boiling point : -194.3°C
Melting point : -216.2°C
Water solubility : Slightly soluble

10. STABILITY AND REACTIVITY

Stability : Stable under normal conditions.

Conditions to avoid : Protect from physical damage and heat. Containers may rupture or explode if exposed to heat.

Materials to avoid : None known.

Hazardous decomposition products: No hazard expected

11. TOXICOLOGICAL INFORMATION

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, NTP, OSHA or DFG

12. ECOLOGICAL INFORMATION

No LOEL Eco toxicity data are available for this product's components.

13. DISPOSAL CONSIDERATIONS

Waste from residues/ unused products : Dispose in accordance with all applicable regulations.

Contaminated Packaging : Return cylinder to supplier.

14. TRANSPORT INFORMATION

Proper Shipping Name : Air, Compressed
Class : 2.2
UN/ID No. : UN1002
Labeling : Non-Flammable Gas

15. REGULATORY INFORMATION

The following selected regulatory requirements may apply to this product. Not all such requirements are identified. Users of this product are solely responsible for compliance with all applicable federal, provincial, and local regulations. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS (Canada) : CLASS A: COMPRESSED GAS

This product is on the DSL List.

International Regulations:

EINECS : Not available.

DSCL (EEC) : This product is not classified according to the EU regulations.

International Lists : No products were found

16. OTHER INFORMATION

Ensure all national/ local regulations are observed.

Hazard statements

H280 Contains gas under pressure; may explode if heated.

Cylinder Identification:

Valve Connection: BS 341 No. 3

Ensure all national/ local regulations are observed.

Ensure all users of this product understand the hazards of asphyxiation.

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 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.

Use proper connections; do not use adapters. Do not force fit!!

DISCLAIMER

The information and recommendations in this Material Safety Data Sheet relate only to the specific material mentioned herein and do not relate to use otherwise ie.in combination with any other material or in any process.

The information and recommendations herein are taken from our extensive experiences and the data contained in recognized references and believed by us to be true. Refrigeration group of companies make no warranties either expressed or implied with respect there to and assume no liability in connection with the use of such information and recommendation.