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# AIR, COMPRESSED

## Safety Data Sheet

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### 1. IDENTIFICATION

Product identifier

Product Name AIR, COMPRESSED

Other means of identification

Safety data sheet number IOC-P002

UN/ID no. UN1002

Synonyms Compressed Oxygen and Nitrogen mixture; Synthetic air; Reconstituted air; Medical air; Medical air, USP

Recommended use of the chemical and restrictions on use

Recommended Use Industrial and professional use.

Uses advised against Consumer use

**Details of the supplier of the safety data sheet**

Indiana Oxygen Company

6099 W. Corporate Way

Indianapolis, IN 46278

Phone: 317-290-0003

[www.Indianaoxygen.com](http://www.Indianaoxygen.com)

\* May include subsidiaries or affiliate companies/divisions.

For additional product information contact your local customer service.

Emergency telephone number

Company Phone Number 1-800-535-5053 (Infortrak)

## 2. HAZARDS IDENTIFICATION

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Gases under pressure	Compressed gas
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### Label elements



Signal word

Warning

#### Hazard Statements

Contains gas under pressure; may explode if heated

#### Precautionary Statements - Prevention

Do not handle until all safety precautions have been read and understood

Use backflow preventive device in piping

Use only equipment of compatible materials of construction and rated for cylinder pressure

Close valve after each use and when empty

#### Precautionary Statements - Response

#### Precautionary Statements - Storage

Protect from sunlight when ambient temperature exceeds 52°C/125°F

#### Hazards not otherwise classified (HNOC)

Supports combustion

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Volume %	Chemical Formula
Air	132259-10-0	100	N/A

## 4. FIRST AID MEASURES

### Description of first aid measures

General advice

No information available.

Inhalation

None under normal use.



Protect cylinders from physical damage; do not drag, roll, slide or drop. When moving cylinders, even for short distance, use a cart designed to transport cylinders. Never attempt to lift a cylinder by its valve protection cap. Never insert an object (e.g. wrench, screwdriver, pry bar, etc.) into valve cap openings. Doing so may damage valve, causing leak to occur. Use backflow preventive device in piping. Use an adjustable strap wrench to remove over-tight or rusted caps. Use only with adequate ventilation. Use only with equipment rated for cylinder pressure. Close valve after each use and when empty. If user experiences any difficulty operating cylinder valve discontinue use and contact supplier. Ensure the complete gas system has been checked for leaks before use.

Never put cylinders into trunks of cars or unventilated areas of passenger vehicles. Never attempt to refill a compressed gas cylinder without the owner's written consent. Never strike an arc on a compressed gas cylinder or make a cylinder a part of an electrical circuit.

Only experienced and properly instructed persons should handle gases under pressure. Always store and handle compressed gas cylinders in accordance with Compressed Gas Association, pamphlet CGA-P1, Safe Handling of Compressed Gases in Containers.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Store in cool, dry, well-ventilated area of non-combustible construction away from heavily trafficked areas and emergency exits. Keep at temperatures below 52°C / 125°F. Cylinders should be stored upright with valve protection cap in place and firmly secured to prevent falling. Full and empty cylinders should be segregated. Use a "first in-first out" inventory system to prevent full cylinders from being stored for excessive periods of time. Stored containers should be periodically checked for general condition and leakage.
Incompatible materials	None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters

Exposure Guidelines	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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Appropriate engineering controls

Engineering Controls	None under normal use conditions.
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Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Work gloves and safety shoes are recommended when handling cylinders.
Respiratory protection	No special protective equipment required.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

Product Information Product Level Information:	
Physical state	Compressed gas
Appearance	Colorless.
Odor	Odorless.
Odor threshold	No information available
pH	No data available
Melting point	No data available

Evaporation rate	Not applicable
Flammability Limit in Air	
Lower flammability limit:	Not applicable
Upper flammability limit:	Not applicable
Flash point	No information available
Autoignition temperature	No data available
Decomposition temperature	No data available
Water solubility	Slightly soluble
Partition coefficient	No data available
Kinematic viscosity	Not applicable

Chemical Name	Molecular weight	Boiling point	Vapor Pressure	Vapor density (air =1)	Gas Density kg/m <sup>3</sup> @20°C	Critical Temperature
Air	28.975	-194.3 °C	Above critical temperature	1	1.204	-140.6 °C

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions

### Chemical stability

Stable under normal conditions.

### Explosion data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

None known.

### Incompatible materials

None known.

### Hazardous Decomposition Products

None known.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Inhalation	No data available.
Skin contact	No data available.
Eye contact	No data available.
Ingestion	Not an expected route of exposure.

### Information on toxicological effects

Symptoms	No information available.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation	Not classified.
Sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens listed by OSHA, IARC or NTP.
Reproductive toxicity	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Chronic toxicity	None known.
Aspiration hazard	Not applicable.

Numerical measures of toxicity

Product Information	
Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	No information available

**12. ECOLOGICAL INFORMATION**

Ecotoxicity  
No known acute aquatic toxicity.

Persistence and degradability  
Not applicable.

Bioaccumulation  
No information available.

**13. DISPOSAL CONSIDERATIONS**

Waste treatment methods

Disposal of wastes	Do not attempt to dispose of residual waste or unused quantities. Return in the shipping container PROPERLY LABELED WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE to Indiana Oxygen for proper disposal.
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**14. TRANSPORT INFORMATION**

DOT

UN/ID no.	UN1002
Proper shipping name	Air, compressed
Hazard Class	2.2
Special Provisions	78
Description	UN1002, Air, compressed, 2.2
Emergency Response Guide Number	122

TDG

UN/ID no.	UN1002
Proper shipping name	Air, compressed
Hazard Class	2.2
Description	UN1002, Air, compressed, 2.2

MEX

UN/ID no.	UN1002
Proper shipping name	Air, compressed

Hazard Class 2.2  
 Description UN1002, Air, compressed, 2.2

IATA

UN/ID no. UN1002  
 Proper shipping name Air, compressed  
 Hazard Class 2.2  
 ERG Code 2L  
 Description UN1002, Air, compressed, 2.2

IMDG

UN/ID no. UN1002  
 Proper shipping name Air, compressed  
 Hazard Class 2.2  
 EmS-No. F-C, S-V  
 Description UN1002, Air, compressed, 2.2

ADR

UN/ID no. UN1002  
 Proper shipping name Air, compressed  
 Hazard Class 2.2  
 Classification code 1A  
 Tunnel restriction code (E)  
 Special Provisions 655  
 Description UN1002, Air, compressed, 2.2, (E)

**15. REGULATORY INFORMATION**

International Inventories

TSCA Complies  
 DSL Complies  
 EINECS/ELINCS Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	Yes
Reactive Hazard	No

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Risk and Process Safety Management Programs

This material, as supplied, does not contain any regulated substances with specified thresholds under 40 CFR Part 68. This product does not contain any substances regulated as Highly Hazardous Chemicals pursuant to the 29 CFR Part 1910.110.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Nitrogen 7727-37-9	X	X	X
Oxygen 7782-44-7	X	X	X

International Regulations

**16. OTHER INFORMATION**

NFPA                      Health hazards 0                      Flammability 0                      Instability 0                      Physical and Chemical Properties -

Note: Ratings were assigned in accordance with Compressed Gas Association (CGA) guidelines as published in CGA Pamphlet P-19-2009, CGA Recommended Hazard Ratings for Compressed Gases, 3rd Edition.

Issue Date                      24-Feb-2015  
 Revision Date                      13-May-2015  
 Revision Note                      Not applicable.

General Disclaimer

For terms and conditions, including limitation of liability, please refer to the purchase agreement in effect between Indiana Oxygen Company(or any of their affiliates and subsidiaries) and the purchaser.

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

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End of Safety Data Sheet