Safety Data Sheet, 29 CFR 1910.1200

Revision Date 1/28/25

AIR, COMPRESSED, UN1002

SECTION 1: Identification of the substance /mixture and of the company/undertaking
Product Identifier: Air, Compressed, UN1002
Other Means of Identification: None
Recommended Use and Restrictions on Use: Air used in place in tank to absorb pressure when tank is installed and in use.
Name, Address, And Telephone Number of The Responsible Party
AMTROL Inc
1400 Division Road
West Warwick, RI, 02893 USA
1 401 884 6368
Emergency telephone number
CHEMTREC – 800-424-9300/703-527-3887

SECTION 2: Hazard(s) Identification
Classification of the Substance: GASES UNDER PRESSURE
Hazard Category: Compressed Gas
Signal Word: Warning
Hazard Statements: H280 - Contains gas under pressure, may explode if heated
Precautionary Statements: P210 – Keep away from heat, open flames.



SECTION 3:
Substance/Mixture: Mixture
Chemical Name: Air
Other Means of Identification: Compressed Air ; Breathing Quality Air ; synthetic air, reconstituted air, medical air, medical air USP
Product Code: UN1002

Ingredient Name	Percentage	CAS Number
Oxygen	19.5 - 25	7782-44-7
Nitrogen	60 - 80.5	7727-37-9
Helium	0 - 15	7440-59-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First Aid Measures:

(a) No measures required for inhalation, skin contact, eye contact or ingestion.
(b) No symptoms/effects from exposure, acute or delayed.
(c) Immediate medical attention required: As applicable in case of explosion of vessel containing compressed air.

SECTION 5: Firefighting Measures:

(a) Noncombustible, no extinguishing media needed.
(b) No specific hazards arising from exposure to air
(c) No special equipment or precautions for firefighters when handling air.

SECTION 6: Accidental Release Measures:

(a) Personal precautions for exposure to air: Avoid direct, close contact of compressed air with eyes or skin
(b) Methods and materials for containment and cleaning up: None needed.

SECTION 7: Handling and storage: Keep vessel containing air away from heat, open flames

SECTION 8: Exposure Controls/personal protection:

(a) OSHA, ACGIH have not established PEL or TLV for air
(b) Appropriate engineering controls: Keep vessel holding compressed air away from heat, open flames.
(c) Personal protective equipment: Safety glasses, hearing protection.

SECTION 9: Physical and Chemical Properties:

Physical State: gas
Appearance: none
Color: Colorless
Odor: none
Odor threshold: none
pH: none
Melting/freezing point: -355F-215C
Boiling point: -319F/-195C
Flash point: None
Evaporation rate: None
Flammability: Data not available
Upper/lower flammability or explosive limits: Data not available
Vapor pressure/density: 14.7 psia @ -319F
Relative Density: 0.075 lb/ft3/1.2kg/m3
Solubilities: Miscible in water
No additional information available.

SECTION 10: Stability and Reactivity
Reactivity: None
Chemical Stability: Stable under all typical environmental conditions
Possibility of Hazardous Reactions: None
Conditions to avoid: Keep vessel holding compressed air away from heat, open flames

SECTION 11: Toxicological Information:

(a) Health effects independent of route of exposure: None
(b) Symptoms noted upon exposure: None
(c) Delayed and immediate effects, chronic effects from short and long term exposure: None
(d) Acute toxicity estimates: Non toxic
(e) Air is not listed in the National Toxicology Program Report on Carcinogens and has not been found to be a potential carcinogen in the International Agency for Research on Cancer Monographs or by OSHA

SECTION 12: Ecological Information

(a) Ecotoxicity: None
(b-e) No known adverse effects

SECTION 13: Disposal considerations: None

SECTION 14: Transport Information:

(a) UN No.: 1002
(b) UN proper shipping name: Air, compressed
(c) Transport Hazard Class: (DOT): Class 2.2 , Non Flammable Gas
(d) Packing Group: DOT packaging exceptions: 173.306/307; DOT packaging: Non Bulk: 173.302, Bulk: 173.302, Transport by Vessel (Sea): A, Stowage category “A” means the material may be stowed “on deck” or “under deck” on a cargo vessel or on a

passenger vessel. Air Transport: DOT Quantity Limitations Passenger aircraft (173.27): 75kg, DOT Quantity Limitations Cargo aircraft (175.75): 150kg
(e) Marine pollutant: No.

SECTION 15: Regulatory Information: None

SECTION 16: Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Safety Data Sheet, 29 CFR 1910.1200

Revision Date 1/28/25

COMPRESSED GAS, n.o.s, UN1956

SECTION 1: Identification of the substance /mixture and of the company/undertaking
Product Identifier: Compressed Gas, n.o.s. (Air with up to 15% helium) UN1956
Other Means of Identification: None
Recommended Use and Restrictions on Use: Air used in place in tank to absorb pressure when tank is installed and in use.
Name, Address, And Telephone Number of The Responsible Party
AMTROL Inc
1400 Division Road
West Warwick, RI, 02893 USA
1 401 884 6368
Emergency telephone number
CHEMTREC – 800-424-9300/703-527-3887

SECTION 2: Hazard(s) Identification

Classification of the Substance: GASES UNDER PRESSURE
Signal Word: Compressed Gas
Hazard Statements: Warning
Hazard Statements: H280 - Contains gas under pressure, may explode if heated
Precautionary Statements: P210 – Keep away from heat, open flames.



SECTION 3:
Substance/Mixture: Mixture
Chemical Name: Air

Other Means of Identification: Compressed Air ; Breathing Quality Air ; synthetic air, reconstituted air, medical air, medical air USP
Product Code: UN1956

Ingredient Name	Percentage	CAS Number
Oxygen	17 - 23.5	7782-44-7
Nitrogen	70 - 80.5	7727-37-9
Helium	0 – 15	7440-59-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First Aid Measures:

(a) No measures required for inhalation, skin contact, eye contact or ingestion.
(b) No symptoms/effects from exposure, acute or delayed.
(c) Immediate medical attention required: As applicable in case of explosion of vessel containing compressed air.

SECTION 5: Firefighting Measures:

(a) Noncombustible, no extinguishing media needed.
(b) No specific hazards arising from exposure to air
(c) No special equipment or precautions for firefighters when handling air.

SECTION 6: Accidental Release Measures:

(a) Personal precautions for exposure to air: Avoid direct, close contact of compressed air with eyes or skin
(b) Methods and materials for containment and cleaning up: None needed.

SECTION 7: Handling and storage: Keep vessel containing compressed gas away from heat, open flames

SECTION 8: Exposure Controls/personal protection:

(a) OSHA, ACGIH have not established PEL or TLV for air
(b) Appropriate engineering controls: Keep vessel holding compressed air away from heat, open flames.
(c) Personal protective equipment: Safety glasses, hearing protection.

SECTION 9: Physical and Chemical Properties:

Physical State: gas
Appearance: none

Color: Colorless
Odor: none
Odor threshold: none
pH: none
Melting/freezing point: -355F-215C
Boiling point: -319F/-195C
Flash point: None
Evaporation rate: None
Flammability: Data not available
Upper/lower flammability or explosive limits: Data not available
Vapor pressure/density: 14.7 psia @ -319F
Relative Density: 0.075 lb/ft3/1.2kg/m3
Solubilities: Miscible in water
No additional information available.

SECTION 10: Stability and Reactivity
Reactivity: None
Chemical Stability: Stable under all typical environmental conditions
Possibility of Hazardous Reactions: None
Conditions to avoid: Keep vessel holding compressed air away from heat, open flames

SECTION 11: Toxicological Information:

(a) Health effects independent of route of exposure: None
(b) Symptoms noted upon exposure: None
(c) Delayed and immediate effects, chronic effects from short and long term exposure: None
(d) Acute toxicity estimates: Non toxic
(e) Air is not listed in the National Toxicology Program Report on Carcinogens and has not been found to be a potential carcinogen in the International Agency for Research on Cancer Monographs or by OSHA

SECTION 12: Ecological Information

(a) Ecotoxicity: None
(b-e) No known adverse effects

SECTION 13: Disposal considerations: None

SECTION 14: Transport Information:

(a) UN No.: 1956
(b) UN proper shipping name: Compressed Gas, n.o.s. (air with up to 15% helium)
(c) Transport Hazard Class: (DOT): Class 2.2 , Non Flammable Gas
(d) Packing Group: DOT packaging exceptions: 173.306/307; DOT packaging: Non Bulk: 173.302, Bulk: 173.302, Transport by Vessel (Sea): A, Stowage category “A” means the material may be stowed “on deck” or “under deck” on a cargo vessel or on a passenger vessel. Air Transport: DOT Quantity Limitations Passenger aircraft (173.27): 75kg, DOT Quantity Limitations Cargo aircraft (175.75): 150kg

(e) Marine pollutant: No.

SECTION 15: Regulatory Information: None

SECTION 16: Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.