



ACCORDING TO US CFR 1910.1200

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name	AIR, COMPRESSED.
Synonym(s)	COMPRESSED AIR, BREA. medical air, medical air USP.
CAS No.	132259-10-0
EC No.	None assigned.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Synthetic/Analytical chemistry, Industrial gas.
Uses Advised Against	Not known.

1.3 Details of the supplier of the safety data sheet

Company Identification	Hudson Technologies Company
Address	PO Box 1541 One Blue Hill Plaza Pearl River, New York USA
Postal code	10965
Telephone	+1 (800) 953 2244
Fax	+1 (845) 512 6070
E-mail	information@hudsontech.com

1.4 Emergency telephone number

Company	+1 (800) 501 4376
CHEMTREC (U.S.)	+1 (800) 424 9300
INTERNATIONAL	+1 (703) 527 3887

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

US CFR 1910.1200 Gases under pressure; Press. Gas; Compressed gas.

2.2 Label elements

Product Name AIR, COMPRESSED.

Hazard Pictogram(s)



GHS04

Signal Word(s)

Warning

Hazard Statement(s)

H280: Contains gas under pressure; may explode if heated.
CGA-HG24: SUPPORTS COMBUSTION.

Precautionary Statement(s)

P202: Do not handle until all safety precautions have been read and understood.
P410+P403: Protect from sunlight. Store in a well-ventilated place.

2.3 Other hazards

None.

2.4 Additional Information

CGA-PG05: Use a back flow preventive device in the piping.
CGA-PG20+ CGA-PG10: Use only equipment of compatible materials of construction and rated for cylinder pressure.
CGA-PG06: Close valve after each use and when empty.
CGA-PG02: Protect from sunlight when ambient temperature exceeds 52 °C (125 °F).
CGA-PG27: Read and follow the Safety Data Sheet (SDS) before use.
This SDS is available in languages other than English.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT(S)	Common Names	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
COMPRESSED AIR, BREA	Compressed Air, Compressed Air Breathing, Medical Air Medical Air USP	132259-10-0	100	Press. Gas, Compressed gas; H280	GHS04

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Unlikely to cause harmful effects.
 Skin Contact Unlikely to cause harmful effects.
 Eye Contact Unlikely to cause harmful effects.
 Ingestion Unlikely route of exposure.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

None.

5. SECTION 5: FIREFIGHTING MEASURES

Non-flammable.

5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.
 Unsuitable extinguishing media None.

5.2 Special hazards arising from the substance or mixture

Contains gas under pressure; may explode if heated.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Keep containers cool by spraying with water if exposed to fire.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No measures required.

6.2 Environmental precautions

No measures required.

6.3 Methods and material for containment and cleaning up

Shut off leak. Allow to evaporate.

6.4 Reference to other sections

None.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide adequate ventilation. Do not drag, roll, slide or drop cylinders. Use a suitable hand truck design for cylinder movement. Never attempt to lift a cylinder by its cap; the cap is intended solely to protect the valve. Never insert an object into valve cap openings. Doing so may damage valve causing a leak to occur. Secure cylinders in an upright position at all times, close all valves when not in use. Keep closed even when empty. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Protect from sunlight. Store in a well-ventilated place.

Storage temperature

<125°F (52°C)

Storage life

Stable under normal conditions.

Incompatible materials

None.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits None assigned.

8.2 Exposure controls

Appropriate engineering controls Ensure adequate ventilation.

Personal protection equipment



Eye Protection

Not normally required.



Skin protection

Wear suitable gloves.



No respiratory protection is required.

Respiratory protection

Thermal hazards Not applicable.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Gas.
Color:	Colorless.
Odor	Odorless.
Odor threshold	Not established.
pH	Not applicable.
Melting point/freezing point	-357.16°F (-216.2°C)
Initial boiling point and boiling range	-317.74°F (-194.3°C)
Flash Point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Density	1.2 kg/m ³
Relative density	1
Solubility(ies)	Solubility (Water): Slightly soluble (0.0292%) Solubility (Other): Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature (°C)	Not available.
Viscosity	Not applicable.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

9.2 Other information

Molecular weight 28.975 g/mol

10. SECTION 10: STABILITY AND REACTIVITY



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10.1 Reactivity

Stable under normal conditions.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Keep away from heat and direct sunlight.

10.5 Incompatible materials

None.

10.6 Hazardous decomposition product(s)

No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

This material is unlikely to present a significant health hazard under normal conditions of handling and use.

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Low acute toxicity.
Acute toxicity - Skin Contact	Low acute toxicity.
Acute toxicity - Inhalation	Low acute toxicity.
Skin corrosion/irritation	Non-irritant.
Serious eye damage/irritation	Non-irritant.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	None anticipated.
STOT - repeated exposure	None anticipated.
Aspiration hazard	Not classified.

11.2 Other information

Not known.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates Low toxicity to invertebrates.

Toxicity - Fish Low toxicity to fish.

Toxicity - Algae Low toxicity to algae.

Toxicity - Sediment Not classified.

Compartment

Toxicity - Terrestrial Not classified.

Compartment

12.2. Persistence and Degradation

No adverse ecological effects are expected.

12.3. Bioaccumulative potential

No adverse ecological effects are expected.

12.4. Mobility in soil

Not applicable.

12.5 Other adverse effects

None anticipated.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Containers must not be punctured or destroyed by burning, even when empty. Refer to manufacturer/supplier for information on recovery/recycling.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number


UN No. 1002

14.2 UN proper shipping name

UN proper shipping name AIR, COMPRESSED.

14.3 Transport hazard class(es)

ADR/RID Class 2.2

IMDG Class	2.2
IMDG EMS	Not available
ICAO/IATA	
Excepted Quantities	E1
Passenger and Cargo Aircraft	
Limited Quantities Packing	
Instructions	
Passenger and Cargo Aircraft	
Limited Quantities Max net Qty	
Special Provisions	A202
Emergency Response	2L
Guidebook (ERG) Code	
ADR Classification Code	1A
ADR HIN	20
ADR Transport Category	3
Tunnel Restriction Code	E
Emergency Action Code	2T
Advice on Additional Personal	Not applicable
Protection (APP)	
14.4 Packing group	
Packing group	Not applicable
Labels	2.2
	
Special Provisions	655
Limited Quantities	120 m
Excepted Quantities	E1
Mixed Packing Instructions for	P200
Packages	
Special Packing Provisions for	Not applicable
Packages	
Mixed Packing Instructions for	MP9
Packages	
14.5 Environmental hazards	
Environmental hazards	Not classified as a Marine Pollutant.



14.6 Special precautions for user

Special precautions for user Not known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Packing Instructions for Portable (M)

Tanks

Special Provisions for Portable Not applicable

Tanks

Tank Code for Tanks CxBN(M)

Special Provisions for Tanks TA4 TT9

Vehicle for Tank Carriage AT

Special Provisions for Carriage - Not applicable

Packages

Special Provisions for Carriage - Not applicable

Bulk

Special Provisions for Carriage - CV9 CV10

Loading, Unloading and Handling

Special Provisions for Carriage - Not applicable

Operation

15. SECTION 15: REGULATORY INFORMATION

15.1 Federal

Toxic and hazardous substances Not listed.

(29 CFR 1910; Subpart Z)

National emission standards for Not listed.

hazardous air pollutants (40 CFR

61.01)

Title III Consolidated List of Lists Not listed.

TSCA (Toxic Substance Control COMPRESSED AIR, BREA (CAS No.: 132259-10-0)

Act)

CAA 602 - Ozone Depleting Not listed.

Substances (ODS)

15.2 State

State Right to Know Lists Not listed.

Proposition 65 (California) Not listed.

15.3 Other

OSPAR List of Chemicals for Not listed.

Priority Action

NTP (National Toxicology Not listed.

Program)

OSHA Not listed.

(List of Highly Hazardous

Chemicals, Toxics and

Reactives)

IARC (International Agency for Not listed.

Research on Cancer)

16. SECTION 16: OTHER INFORMATION

The following sections contain 1-16 revisions or new statements:

NFPA		HMIS	
Health	0	Health	0
Fire	0	Flammability	0
Instability	0	Physical hazards	0

LEGEND:

Hazard Pictogram(s)



GHS04

Hazard Statement(s)

H280: Contains gas under pressure; may explode if heated.

Precautionary Statement(s)

P410+P403: Protect from sunlight. Store in a well-ventilated place.



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Additional Information required by Federal Standard 313 Rev. E:

Contract or Solicitation SPE4A6-16-D-0226

Number:

Prime Contractor: Hudson Technologies, Inc.

Prime Contractor CAGE: 7DSQ0

National Stock Number (NSN): 6830012642660

Specification Reference:

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