

SAFETY DATA SHEET

Compressed Air Contained Within All Vortex Gas Pistons



Section 1: Identification

Product Identifier	: Air
Other Identifiers / Synonyms	: Compressed Air; High Pressure Air; HPA
Product Type	: Gas
Product Use	: Propulsion
Distributor	: HatsanUSA, Inc.
Address	: 1501 North Dixieland Rd Rogers, AR 72756
Telephone	: 479-273-5629
24-Hour Telephone	: 1-877-278-4448

Section 2: Hazard Identification

Physical State	: Gas
OSHA/HCS Status	: This material is considered hazardous by the OSHA Hazard Community Standard.
Classification	: Gasses Under Pressure — Compressed Gas

GHS Label Elements

Hazard Pictograms



Signal Word	: WARNING
Hazard Statement	: Contains gas under pressure; may explode if heated. May support combustion.
Precautionary Statement	: Read and follow SDS before use. Close valve after each use and when empty. Only use equipment rated for system working pressure.
Storage	: Store in a well ventilated place. Keep out of sunlight.

Section 3: Composition / Ingredients

Substance : Mixture

<u>Ingredient</u>	<u>CAS Number</u>	<u>% Volume</u>
Nitrogen	7727-37-9	76.5 – 80.5
Oxygen	7782-44-7	19.5 – 23.5

Section 4: First Aid Measures

- Eye Contact : Immediately flush eyes with water. Remove contact lenses and continue to rinse. Seek immediate medical attention if irritation occurs.
- Skin Contact : Flush skin with water if irritation occurs. Seek immediate medical attention if irritation persists.
- Inhalation : None Expected
- Ingestion : None Expected

Potential Acute Health Effects

- Eye Contact : Rapidly-expanding gasses can cause frostbite.
- Skin Contact : Rapidly-expanding gasses can cause frostbite.
- Inhalation : None Expected
- Ingestion : None Expected
- Frostbite : Warm frozen tissue with lukewarm water or substance. Seek immediate medical attention.
- Over-Exposure : None Known

Section 5: Fire Fighting Measures

- Flammability : Non-Flammable
- Suitable Extinguishing Media : Use an agent suitable for the surrounding fire.
- Hazardous thermal decomposition products : Decomposition may include nitrogen oxides.
- Specific Hazards : Gas under pressure. In fire or if heated, pressure will increase, and the container may burst or explode.
- Protective Actions for Fire-Fighters : Isolate the scene and remove the container from fire area if reasonably possible without risk. Use water to cool the container and its surrounding area.

Section 6: Accidental Release Measures

- Personal Protection** : Use suitable protective equipment.
- Environmental Precautions** : Inform the relevant authorities if the product has caused any environmental pollution and discard in compliance with all federal, state, and local regulations.
- Spills** : Stop leak if possible without undue risk and contact relevant authorities if the product has caused any environmental pollution.

Section 7: Handling and Storage

- Handling** : Wash hands before eating, drinking, smoking, or using the lavatory. Contains gas under pressure — use only equipment rated to handle cylinder operating pressure. Do not puncture or incinerate container. Close valve after each use and when empty. Protect cylinders from physical damage.
- Occupational Hygiene** : Eating, drinking, and/or smoking should be prohibited in areas where this gas is stored or handled. Wash hands before eating, drinking, smoking or using the lavatory.
- Safe Storage** : Store in a well-ventilated, cool, dry area away from direct sunlight, heat, and other ignition sources. Always store with the valve protected against damage or accidental manipulation.

Section 8: Exposure Controls / Personal Protection

Exposure Limits

Nitrogen

Oxygen Depletion [Asphyxiant]

Oxygen

None

- Engineering Controls** : N/A
- Hygiene Measures** : Wash hands, arms, and face after handling and before eating, drinking, smoking, or using the lavatory, and after the end of any working period.
- Eye and Face Protection** : Wear appropriate safety glasses or goggles.
- Hand and Body Protection** : Keep skin surfaces protected from escaping gas. Appropriate protective equipment should be selected based upon the tasks being performed.
- Respiratory Protection** : No special protection is required.

Section 9: Physical and Chemical Properties

Physical State	: Gas
Color	: Colorless
Odor	: Odorless
Boiling Point	: -194.3 °C (-317.7 °F)
Melting Point	: -216.2 °C (-357.2 °F)
Vapor Density	: 1 (Air = 1)
Gas Density	: 0.075 lb/ft ³

Section 10: Stability and Reactivity

Reactivity	: N/A
Chemical Stability	: This product is stable.
Hazardous Reactions	: Under normal conditions of storage and use, hazardous reactions should not occur.
Hazardous Decomposition	: Under normal conditions of storage and use, hazardous decomposition should not occur.
Hazardous Polymerization	: Under normal conditions of storage and use, hazardous polymerization should not occur.

Section 11: Toxicological Information

Likely Routes of Exposure	: Inhalation
Toxicological Effects	: None known
Potential Acute Health Effects	: Contact with rapidly expanding gas could cause frostbite.
Short/Long Term Exposure Effects	: None known

Section 12: Ecological Information

Toxicity to Environment	: Not Available
Products of Degradation	: Nitrogen oxides
Persistence and Degradability	: Not Available
Other Adverse Effects	: No known significant effects or critical hazards.

Section 13: Disposal Considerations

Product must be disposed of in accordance with all applicable federal, state, and local regulations.

Section 14: Transport Information

	DOT	TDG	Mex	IMDG	IATA
UN Number	UN1002	UN1002	UN1002	UN1002	UN1002
Proper Shipping Name	Air, Compressed	Air, Compressed	Air, Compressed	Air, Compressed	Air, Compressed
Hazard Class	2.2	2.2	2.2	2.2	2.2

Section 15: Regulatory Information

- U.S. Federal Regulations : TSCA 8(a): All components are listed or exempt.
- Clean Air Act - Section 112 : Not Listed
- Clean Air Act - Section 602 : Not Listed
- DEA List I Chemicals : Not Listed
- DEA List II Chemicals : Not Listed
- SARA 302/304 : No Products Found
- SARA 304 RQ : N/A
- SARA 311/312 : Refer to Section 2 for classification

State Regulations

- Massachusetts : NITROGEN; OXYGEN (liquid)
- New Jersey : NITROGEN; OXYGEN
- Pennsylvania : NITROGEN; OXYGEN

International Regulations

All Components Listed or Exempt

Section 16: Other Information

United States Label Requirements

: CONTENTS UNDER PRESSURE. MAY ACCELERATE COMBUSTION. COMPRESSED AIR IS A COLORLESS, ODORLESS, TASTELESS GAS AT NORMAL TEMPERATURE AND PRESSURE.

Hazardous Material Information

:	Health	0
:	Flammability	0
:	Physical Hazards	3
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Note to Reader:

To the best of our knowledge, the information contained within this document is accurate. No liability is to be assumed by the above-named supplier, nor any of its subsidiaries, for the accuracy or completeness of the information contained within the document.

Although certain hazards are described above, we cannot guarantee that there are no other hazards present. All materials may present unknown hazards and should be used with caution.