



# Material Safety Data Sheet

## 1. Product and Company Identification

*GHS product identifier* : Air, compressed  
*Chemical Formula* : NA  
*Product use* : Inflation cylinders for personal protective equipment  
*Common names and synonyms* : Air, Breathing Air, UN 1002  
*Company* : Backcountry Access, Inc.  
2820 Wilderness Pl., Unit H  
Boulder, CO 80301  
*Telephone* : 303-417-1345  
*Emergency* : 303-417-1345 (M-F 9am-5pm MST)

## 2. Hazardous Ingredients/Identity Information

*Hazard classification* : GASES UNDER PRESSURE –Compressed gas  
*Signal word* : Warning  
*Hazard statement* : Contains gas under pressure; may explode if heated  
*Pictogram* :



### *Precautionary*

*Statements* : Read and follow MSDS before use. Read label before use. High pressure from cylinder directed at skin or eyes from close range can cause permanent damage or blindness. Cylinders may discharge pressure when subjected to heat or flames.

*Description of hazards* : None known  
*not otherwise*  
*classified*

## 3. Composition/Information on Ingredients

*Substance/mixture* : Mixture  
*Chemical name* : air  
*Common names and synonyms* : Air, Breathing Air, UN 1002  
*CAS number* : 132259-10-0  
*Concentration* :

Ingredient	Concentration (percentage)
132259-10-0	100%

#### 4. First-Aid Measures

- Eye Contact* : Flush eyes with water. Seek medical attention if irritation occurs.  
*Skin Contact* : Wash exposed skin with soap and water.  
*Ingestion* : "None expected"  
*Inhalation* : "None expected"

#### 5. Fire-Fighting Measures

- Flash Point* : NA  
*Extinguishing Materials* : Use extinguishing agents appropriate for surrounding fire.  
*Specific Hazards* : Contains gas under pressure. In a fire or extreme heat the container may burst or explode.  
*Fire Fighting* : Move container from fire area if it can be done without risk.

#### 6. Accidental Release Measures

- Leak Response* : In case of leak set cylinder aside away from yourself and others and let the cylinder empty itself  
*Accidental Opening* : If the valve is accidentally opened keep exiting air away from yourself and others. Wait until cylinder is empty.

#### 7. Handling and Storage

- Handling/Storage* : Store in cool dry place between -22°F (-30°C) and 130°F (55°C). Protect cylinder from physical damage.

#### 8. Exposure Controls – Personal Protection

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

- Ventilations* : No additional ventilation is required  
*Respiratory Protection* : Not necessary  
*Hand Protection* : Not required  
*Eye protection* : Not required under normal conditions.  
*Skin Protection* : Protective clothing is not required.

#### 9. Physical and Chemical Properties

- Physical state* : Gas  
*Color* : Colorless  
*Odor* : Odorless  
*Odor Threshold* : Not available  
*pH* : Not available  
*Melting point* : Not available  
*Freezing point* : Not available  
*Boiling Point* : -194.3°C  
*Melting Point* : -216.2°C

*Flash point* : Not available  
*Evaporation point* : Not available  
*Flammability (solid, gas)* : Not available  
*Lower and upper explosive (flammable) limits* : Not available  
*Vapor Pressure* : 760 mmHg @ -194°C  
*Vapor Density* : 1.29 g/L @ 0°C  
*Relative density* : 1.00 (air=1)  
*Solubility* : Not available  
*Partition coefficient n-octanol/water* : Not available  
*Auto-ignition temperature* : Not available  
*Decomposition temperature* : Not available  
*Viscosity* : Not available  
*Molecular Weight* : 28.975

#### **10. Stability and Reactivity**

*Reactivity* : No additional information available  
*Chemical* : Stable under normal conditions.  
*Stability*  
*Conditions to Avoid* : Protect from physical damage and heat.  
*Materials to Avoid* : No additional information available  
*Decomposition Products*: None.

#### **11. Toxicological Information**

*Toxicity Data* : There are no specific toxicology data for Compressed Air  
*Carcinogenicity* : None of this product's components are listed by ACGIH, IARC, NTP, OSHA or DFG

#### **12. Ecological Information**

*Ecology* : No LOEL ecotoxicity data are available for this product's components

#### **13. Disposal Considerations**

*Disposal* : Do not dispose of cylinders with compressed air in them. Only discharge cylinders in  
*Recommendations* Backcountry Access Float backpacks as described in the user manual.

#### **14. Transportation Information**

US Department of Transportation  
*UN Number* : UN 1002  
*Proper Shipping Name* : Air, compressed  
*Hazard Class* : 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115  
*Packaging Group* : NA  
*DOT Label Required* : Non-Flammable Gas



Transport Canada (TDG)

*UN Number* : UN 1002  
*Proper Shipping Name* : Air, compressed  
*Hazard Class* : 2.2



*Special Provisions* : 42  
*Limited Quantity Index* : 0.12  
*Road or Rail Index* : 75

**15. Regulatory Information**

U.S. Federal Regulations

None of this product's components are listed under SARA Section 302/304 (40 CFR 255 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA 311/312

Acute : No  
Chronic : No  
Fire : No  
Reactive : No  
Pressure : Yes

US State Regulations: None of this product's components are listed on the state lists from AK, CA, FL, IL, KA, MA, MN, MO, NJ, ND, PA, RI, TX, WV, or WV.

Additional Canadian Regulations

Canadian DSL/NDSL Inventory Status: Compressed Air is included in the DSL Inventory.  
CEPA Priority Substances Lists: Not included.  
WHMIS Classification: Categorized as a Controlled Product, Hazard Class A.

## 16. Other Information

*Prepared By* : Backcountry Access, Inc. 3/9/2017

For additional information, visit our website at [www.backcountryaccess.com](http://www.backcountryaccess.com)