

**Air (Compressed)**

**Section 1: MANUFACTURER/PREPARER INFORMATION & HAZARD WARNINGS**

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**WHMIS HAZARD SYMBOLS & DEFINITIONS**



Class A: Compressed gas

**Section 2: HEALTH HAZARD DATA**

**ROUTES OF ENTRY/SIGNS & SYMPTOMS OF ACUTE EXPOSURE:**

None. Air is non-toxic and necessary to support life

**Chronic Effects/Carcinogenicity:** Air is non-toxic and non-carcinogenic.

**EMERGENCY & FIRST AID PROCEDURES:**

None required.

**Section 3: PREVENTATIVE MEASURES**

**Respiratory Protection:** None required.

**Ventilation:** None.

**Gloves:** N/A. **Eye Protection:** Safety shoes and glasses are recommended when handling cylinders of compressed gas  
**Other Protective Equipment:** N/A.

**Work/Hygienic Practices:** Observe all standard industrial hygiene practices when working with compressed gas cylinders.

**Handling and Storing:** Store and use with adequate ventilation. Cylinders should be stored upright with valve protection cap in place and firmly secured to prevent falling or being knocked over. Protect cylinders from physical damage; do not drag, roll, slide or drop. Use a suitable hand truck for cylinder movement. Do not allow the temperature where cylinders are stored to exceed 52°C. Never strike a welding arc on any compressed gas cylinder.

KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS.

N/A=Not Applicable. N/E=Not Evaluated/Established. N/R=Not Reported by Manufacturer.

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**Section 4: HAZARDOUS COMPONENTS & EXPOSURE LIMITS**

Hazardous Component Name	CAS #	OSHA PEL	ACGIH-TLV	Other Limit	% Wt
Nitrogen	N/A	N/A	N/A	N/A	78.0
Oxygen	N/A	N/A	N/A	N/A	20.9
Argon	N/A	N/A	N/A	N/A	0.9

§ indicates a toxic chemical subject to the reporting requirements of SARA Title III, Section 313.

† indicates a chemical known to the State of California to cause cancer, birth defects or other reproductive harm per Proposition 65.

**Section 5: PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b>	-194.4°C	<b>Specific Gravity:</b>	N/A
<b>Vapor Pressure:</b>	21.1°C=Above critical temp.	<b>Percent Volatile:</b>	100
<b>Vapor Density (Air=1):</b>	1.0	<b>Evaporation Rate:</b>	N/A
<b>Solubility in Water:</b>	N/A	<b>pH:</b>	Neutral
<b>Appearance/Odor:</b>	Colourless, odourless, tasteless gas.		

**Section 6: FIRE & EXPLOSION HAZARD DATA**

<b>Flash Point (Method):</b>	N/A (Non-flammable gas).	<b>Flammable Limits. LEL/N/A</b>	<b>UEL: N/A</b>
<b>Extinguishing Media:</b>	Non-flammable. Use media appropriate for surrounding fire.		

**Special Firefighting Procedures:** None. If possible, remove cylinders from fire area or cool with water to avoid excessive pressure build-up. SCBAs may be required for rescue workers.

**Unusual Fire and Explosion Hazards:** Pressure can build up due to heat and cylinder may explode if pressure relief devices should fail to relieve pressure. Compressed air at high pressures will accelerate the burning of materials.

**Section 7: REACTIVITY DATA**

**Stability:** Stable. **Hazardous Polymerisation:** Will not occur. **Conditions to Avoid:** None. **Incompatibility:** None. **Hazardous Decomposition Products:** None.

**Section 8: SPILLS, DISPOSAL & ADDITIONAL INFORMATION**

**Spill/Leak Procedures:** Shut off source of leak if possible. If leak is in container or container valve, contact the supplier's closest location.

**Waste Disposal:** Do not attempt to dispose of residual or unused quantities. Return to the supplier for proper disposal.

**Additional Information:** N/A

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