



Division of Fresno Oxygen

Safety Data Sheet

Document #: **G-192 AIR**

Barnes Welding Supply/Barnes Specialty Gases

Division of Fresno Oxygen

2825 S. Elm Ave. #101

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Section 1: Product and Company Identification

Barnes Specialty Gases

2825 S Elm Ave STE.101, Fresno, CA, 93706

Product Code: **AIR**

Part Number: AIR ZE-C-F

Synonyms:

Recommended Use:

Usage Restrictions:

Section 2: Hazards Identification



Warning

Hazard Classification:

Gases Under Pressure, H280

Hazard Statements:

H280: Contains gas under pressure; may explode if heated

Precautionary Statements

P202: Do not handle until all safety precautions have been read and understood.

P271+P403: Use and store only outdoors or in a well-ventilated place.

CGA-PG02: Protect from sunlight when ambient temperature exceeds 52C (125F).

CGA-PG05: Use a back flow preventive device in the piping.

CGA-PG06: Close valve after each use and when empty.

CGA-PG10+CGA-PG20: Use only with equipment of compatible materials of construction and rated for cylinder pressure.

CGA-PG12: Do not open valve until connected to equipment prepared for use.

CGA-PG27: Read and follow the Safety Data Sheet (SDS) before use.

Section 3: Composition/Information on Ingredients

CAS #

Not applicable

Chemical Substance	Chemical Family	Trade Names
AIR, COMPRESSED	Inorganic gases	AIR; UN 1002 Nitrogen CAS: 7727-37-9 Oxygen CAS: 7782-44-7

Section 4: First Aid Measures

Skin Contact	Eye Contact	Ingestion	Inhalation	Note to Physicians
Wash exposed skin with soap and water.	Flush eyes with plenty of water.	If a large amount is swallowed, get medical attention.	If adverse effects occur, remove to uncontaminated area. Get medical attention.	

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Products of Combustion	Protection of Firefighters
Use extinguishing agents appropriate for surrounding fire.		No respirator is required under normal conditions of use.

Section 6: Accidental Release Measures

Personal Precautions	Environmental Precautions	Methods for Containment
		Stop leak if possible without personal risk.

Methods for Cleanup	Other Information

Section 7: Handling and Storage

Handling	Storage
Store and handle in accordance with all current regulations and standards. Subject to storage regulations: U.S. OSHA 29 CFR 1910.101.	

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

AIR, COMPRESSED: No occupational exposure limits established.

Engineering Controls

No specific controls are needed.

Eye Protection	Skin Protection	Respiratory Protection
Eye protection not required under normal conditions.	Protective clothing is not required under normal conditions. Protective gloves are not required, but recommended.	No respirator is required under normal conditions of use.

General Hygiene considerations

Barnes Specialty Gases
Part Number: AIR ZE-C-F
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- Avoid breathing vapor or mist
- Avoid contact with eyes and skin
- Wash thoroughly after handling and before eating or drinking

Section 9: Physical and Chemical Properties

Physical State	Appearance	Color	Change in Appearance	Physical Form	Odor
Gas	Clear	Colorless		Gas	Not available
Taste	Flash Point	Flammability	Partition Coefficient	Autoignition Temperature	Upper Explosive Limits
Lower Explosive Limits	Boiling Point	Freezing Point	Vapor Pressure	Vapor Density	Specific Gravity
	-317 F (-194 C)	Not available	760 mmHg @ -194 C	1	Not applicable
Water Solubility	pH	Odor Threshold	Evaporation Rate	Viscosity	Molecular Weight
Slightly soluble	Not applicable	Not available	Not applicable	0.01853 cP @ 26.85 C	
Molecular Formula	Density	Weight per Gallon	Volatility by Volume	Volatility	Solvent Solubility
	1.29 g/L @ 0 C			Not applicable	Slightly Soluble :

Section 10: Stability and Reactivity

Stability	Conditions to Avoid	Incompatible Materials
Stable at normal temperatures and pressure.	Protect from physical damage and heat. Containers may rupture or explode if exposed to heat.	None known
Hazardous Decomposition Products	Possibility of Hazardous Reactions	
No hazard expected.	Will not polymerize.	

Section 11: Toxicology Information

Acute Effects

Oral LD50	Dermal LD50	Inhalation
Not available	Not available	
Eye Irritation	Skin Irritation	Sensitization
No information is available	No information is available	No significant target effects reported.

Chronic Effects

Carcinogenicity	Mutagenicity	Reproductive Effects	Developmental Effects
Not available	Not available	No data	No data

Section 12: Ecological Information

Fate and Transport

Eco toxicity	Persistence / Degradability	Bioaccumulation / Accumulation	Mobility in Environment
Fish toxicity: Not available Invertebrate toxicity: Not available	Not available	Not available	Not available

Algal toxicity: Not available Phyto toxicity: Not available Other toxicity: Not available			
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Section 13: Disposal Considerations

Dispose in accordance with all applicable regulations.

Section 14: Transportation Information

U.S. DOT 49 CFR 172.101

Proper Shipping Name	ID Number	Hazard Class or Division	Packing Group	Labeling Requirements	Passenger Aircraft or Railcar Quantity Limitations	Cargo Aircraft Only Quantity Limitations	Additional Shipping Description
Air, compressed	UN1002	2.2	Not available	2.2	Not available	Not available	Not available

Canadian Transportation of Dangerous Goods

Shipping Name	UN Number	Class	Packing Group / Risk Group
Air, compressed	UN1002	2.2	

Section 15: Regulatory Information

U.S. Regulations

CERCLA Sections	SARA 355.30	SARA 355.40
Not regulated.	Not regulated.	Not regulated.

SARA 370.21

Acute	Chronic	Fire	Reactive	Sudden Release
No	No	No	No	Yes

SARA 372.65

Not regulated.

OSHA Process Safety

Not regulated.

State Regulations

CA Proposition 65
Not regulated.

Canadian Regulations

WHMIS Classification
A

National Inventory Status

US Inventory (TSCA)	TSCA 12b Export Notification	Canada Inventory (DSL/NDSL)
Not listed on inventory.	Not listed.	Not determined.

Section 16: Other Information

NFPA Rating

HEALTH=0 FIRE=0 REACTIVITY=0

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard