

RECEIVED
JAN 06 2023
BY: _____



Division of Fresno Oxygen

HAZMAT COMPLIANCE AND MAINTENANCE

Dear Valued Customer,

Our records indicate that Barnes Welding Supply recently sold products to you, which require that Safety Data Sheets (SDS) be forwarded for your files for compliance under the Right-to-Know Act. Please ensure these SDS are forwarded to the appropriate personnel in your company.

**Additional SDS may also be enclosed

Please refer to the SDS reference number if you have any questions. If you find you have a need for any additional sheets for products not enclosed, please contact us at:

(559) 233-6684 • FAX (559) 233-9221 • or by email: credit@barneswelding.com

If you would like to receive SDS via email, send a message to the email address listed above.

Thank you for your compliance,

Yolanda Muniz
Barnes Welding Supply

Safety Data Sheet

Document #: G-002



Division of Fresno Oxygen

Barnes Welding Supply / Barnes Specialty Gases
Division of Fresno Oxygen
 2825 S. Elm Ave. #101
 Fresno, California 93706
 Toll Free: (800) 404-9353
 Fax: (559) 233-4206
<http://www.barnesweldingsupply.com>
 E-mail: info@barneswelding.com

Section 1: Product and Company Identification

Barnes Welding Supply / Barnes Specialty Gases - Division of Fresno Oxygen
 2825 S. Elm Ave. #101
 Fresno, California 93706
 (800) 404-9353 Toll Free
 (559) 233-4206 Fax
<http://barnesweldingsupply.com>
info@barneswelding.com
 FOR CHEMICAL EMERGENCIES DURING TRANSPORTATION ONLY CALL INFOTRAC
 1-800-535-5053

Section 2: Hazards Identification



Danger

Hazard Classification:
 Flammable (Category 1)
 Gases Under Pressure

Hazard Statements:
 Contains gas under pressure; may explode if heated
 Extremely flammable gas

Precautionary Statements:
 Keep away from heat/spark/open flame/hot surfaces. - No smoking.
 Eliminate all ignition sources if safe to do so.
 Empty gas cylinder if safe to do so.
 Leaking gas fire. Do not extinguish, unless leak can be stopped safely.
 Store in well-ventilated place.

Section 3: Composition/Information on Ingredients

CAS #	Chemical Substance	Chemical Family	Trade Name
74-86-2	ACETYLENE, DISSOLVED	hydrocarbons, aliphatic	ACETYLENE; ETHYNE; WELDING GAS; ACETYLEN; ETHINE; NARCYLEN; VINYLENE; UN 1001; C2H2

Section 4: First Aid Measures

Skin Contact	Eye Contact	Ingestion	Inhalation	Notes to Physicians
Gas: Not applicable. Liquid: Wash exposed skin with soap and water.	Gas: Not applicable. Liquid: Flush eyes with plenty of water.	Not applicable.	If adverse effects occur, remove to uncontaminated area, give artificial respiration if not breathing, if breathing is difficult, use oxygen. Get immediate medical attention.	For inhalation, consider oxygen.

Section 5: Fire Fighting Measures

Substance Extinguishing Media	Products of Combustion	Protection of Firefighters
Carbon dioxide, regular dry chemical. Large fires: Use regular foam or flood with fine water spray.	Oxides of carbon	Respiratory protection may be needed for frequent or heavy exposure. Any self-contained breathing apparatus with a full facepiece.

Section 6: Accidental Release Measures

Personal Precautions	Environmental Precautions	Methods for Containment
Keep unnecessary people away; isolate hazard area and deny entry. Ventilate closed spaces before entering.	Avoid heat, flames, sparks and other sources of ignition.	Stop leak if possible without personal risk. Reduce vapors with water spray. Remove sources of ignition.

Barnes Welding Supply / Barnes Specialty Gases - Division of Fresno Oxygen
 Generated by the SDS Manager from AsterRisk, LLC. All Rights Reserved

Methods for Cleanup

Evacuate, stop leak if possible. Remove sources of ignition. None

Section 7: Handling and Storage

Handling	Storage
Avoid heat, flames, sparks and other sources of ignition. Grounding and bonding required. Secure to prevent tipping. Subject to storage regulations: U.S. OSHA 29 CFR 1910.101. Keep separated from incompatible substances.	Store and handle in accordance with all current regulations and standards. Protect from physical damage. Store outside or in a detached building, keep separated from incompatible substances. Store in a cool, dry place. Store in a well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines	Engineering Controls	Skin Protection	Respiratory Protection
ACETYLENE, DISSOLVED; ACETYLENE; ACGIH (simple asphyxiant) 250 ppm (2652 mg/m3) NIOSH recommended ceiling	Handle only in fully enclosed systems.	Protective clothing is not required.	Respiratory protection may be needed for frequent or heavy exposure.

General Hygiene considerations
 • 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	Taste
Gas	Colorless	Colorless	N/A	Liquidized gas	Sweet odor	N/A

Flash Point	Flammability	Partition Coefficient	Autoignition Temperature	Upper Explosive Limits	Lower Explosive Limits
Flammable gas. Can be ignited at all normal temperatures. A flash point of 0 F (-18 C) (CC) has been reported.	2691.53 (log = 3.44)	561 F (305 C)	81%; 100% if there is a substantial energy ignition source, and under certain conditions of pressure, container size and shape.	0.025	0.025

Boiling Point	Freezing Point	Vapor Pressure	Vapor Density	Specific Gravity	Water Solubility	pH	Odor Threshold	Evaporation Rate	Viscosity
-103 F (-75 C)	Not available	760 mmHg @ -54 C	0.9	Not applicable	29 C	Not applicable	240 mg/m3 (228 ppm) (benzene) 140 mg/m3 (131 ppm) (acetone) 181 mg/m3 (171 ppm) (ethyl acetate) 2750 mg/m3 (222-255 ppm) (not specified)	Not applicable	0.010 cP @ 20 C

Molecular Weight	Molecular Formula	Density	Weight per Gallon	Volatility by Volume	Volatility	Solvent Solubility
26.04	H-C-C-H	1.1747 g/L @ 0 C	Not available	Not available	Not applicable	Soluble: Acetone, benzene, chloroform, ether

Section 10: Stability and Reactivity

Stability	Conditions to Avoid	Incompatible Materials
May decompose violently on heating. May explode when heated.	May decompose violently on heating. May explode when heated.	Metals, halogens, oxidizing materials, metal carbide, reducing agents, halo carbons BRASS, CALCIUM HYPOCHLORITE, COPPER, MERCURY AND SILVER SALTS, HALOGENS, HEAVY METALS, HYDROGEN, LIQUID NITROGEN, NITROGEN DIOXIDE, OXYGEN, OZONE, PERACETIC ACID, POTASSIUM

Hazardous Decomposition Products	Possibility of Hazardous Reactions
Hydrogen	Polymerizes with evolution of heat. Avoid contact with curing agents, accelerators, and/or initiators.

Page 1 of 2
 Generated: 08/24/2015

Section 11: Toxicology Information

Acute Effects		Oral LD50		Dermal LD50		Inhalation	
Not established	Not established	Not established	Not established	Not established	Not established	Not established	Not established
Eye Irritation		Skin Irritation		Sensitization		No information on significant adverse effects	
No information on significant adverse effects		No information on significant adverse effects		No information on significant adverse effects		No information on significant adverse effects	

Section 12: Ecological Information

Chronic Effects		Reproductive Effects		Developmental Effects	
Not established	Not established	Not established	Not established	Not established	Not established
Persistence / Degradability		Bioaccumulation / Accumulation		Mobility in Environment	
Not established	Not established	Not established	Not established	Not established	Not established

Section 13: Disposal Considerations

Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262, Hazardous Waste Number(s): 0001, 0003.

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 Restrictions
Acetylene, dissolved	UN1001	2.1	Not applicable	2.1	Forbidden	15 kg	N/A

Section 15: Regulatory Information

U.S. Regulations		SARA 355.30		SARA 355.40	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
SARA 370.21		SARA 372.85		Not regulated	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
State Regulations		CA Proposition 65		Not regulated	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Canadian Regulations		WHMIS Classification		A, B1	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
National Inventory Status		US Inventory (TSCA)		TSCA 12b Export Notification	
Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

Section 16: Other Information

HEALTH-HAZARD REACTIVITY-3
 0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard