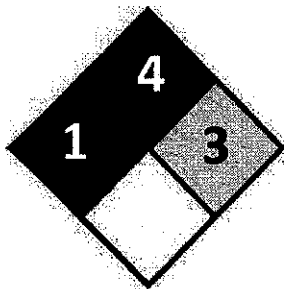


5-B**ACETYLENE BOTTLE****SIGNAL WORD:****WARNING**
ADVISO**ACETYLENE -
DISSOLVED****GHS Hazard Statement**

Flammable gas.
May cause flash fire.
May explode when heated.
Electrostatic charges may be generated by flow,
agitation, etc. May polymerize. Containers may
rupture.

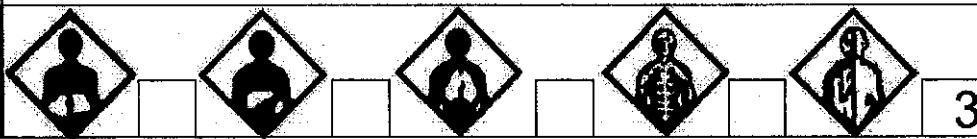
INGESTION: Nausea, Vomiting. May be harmful if
swallowed.

SKIN: May be Harmful in contact with skin.

RESPIRATORY: May be harmful if inhaled.

EYES: Causes eye irritation.

MATHESON TRI-GAS, INC. General Information: 1-800-416-2505
150 Allen Road, Suite 302 Emergency #: 1-800-424-9300 (CHEMTREC)
Basking Ridge, NJ 07920

**GHS Classification and Pictograms- NONE****HEALTH
HAZARDS****PHYSICAL
HAZARDS****ENVIRONMENTAL
HAZARDS****TARGET ORGAN
EFFECTS**

**FIRE FIGHTING
EQUIPMENT
ABC**

**PPE
EPP**

**FIRST
AID**

EYES: Flush eyes with plenty of water.

SKIN: Wash exposed skin

INGESTION: If a large amount is swallowed, get medical attention

INHALATION: Give artificial respiration if not breathing. If breathing
is difficult oxygen should be administered.

**MATHESON**

ask... The Gas Professionals™

Safety Data Sheet**Material Name: ACETYLENE, DISSOLVED****SDS ID: MAT00280*******Section 1 - PRODUCT AND COMPANY IDENTIFICATION*******Product Identifier: ACETYLENE, DISSOLVED****Manufacturer Information**

MATHESON TRI-GAS, INC.
150 Allen Road, Suite 302
Basking Ridge, NJ 07920

General Information: 1-800-416-2505
Emergency #: 1-800-424-9300 (CHEMTREC)
Outside the US: 703-527-3887 (Call collect)

Chemical Family

hydrocarbons, aliphatic

Synonyms

MTG MSDS 1; ACETYLENE; ETHYNE; WELDING GAS; ACETYLEN; ETHINE; NARCYLEN; VINYLENE; UN
1001; C₂H₂; RTECS: AO9600000

*****Section 2 - HAZARDS IDENTIFICATION*******EMERGENCY OVERVIEW****Color:** colorless**Physical Form:** gas**Odor:** sweet odor**Health Hazards:** central nervous system depression, difficulty breathing**Physical Hazards:** May explode when heated. Flammable gas. May cause flash fire. Electrostatic charges may be generated by flow, agitation, etc. May polymerize. Containers may rupture or explode.**POTENTIAL HEALTH EFFECTS****Inhalation****Short Term:** nausea, vomiting, chest pain, wheezing, headache, drowsiness, dizziness, loss of coordination, bluish skin color, suffocation, lung congestion, coma**Long Term:** no information on significant adverse effects**Skin****Short Term:** rash**Long Term:** no information is available**Eye****Short Term:** no information on significant adverse effects**Long Term:** no information is available**Ingestion****Short Term:** ingestion of a gas is unlikely**Long Term:** ingestion of a gas is unlikely*****Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS*****

CAS	Component	Percent
74-86-2	ACETYLENE, DISSOLVED	100

Safety Data Sheet

Material Name: ACETYLENE, DISSOLVED

SDS ID: MAT00280

Section 7 - HANDLING AND STORAGE

Storage Procedures

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. 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.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Analysis

ACETYLENE, DISSOLVED (74-86-2)

NIOSH: 2500 ppm Ceiling; 2662 mg/m3 Ceiling

Component Biological Limit Values

There are no biological limit values for any of this product's components.

Ventilation

Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Eyes/Face

Eye protection not required, but recommended.

Protective Clothing

Protective clothing is not required.

Glove Recommendations

Protective gloves are not required, but recommended.

Respiratory Protection

Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

Respiratory protection is ranked in order from minimum to maximum.

Consider warning properties before use.

For Unknown Concentrations or Immediately Dangerous to Life or Health -

Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Safety Data Sheet

Material Name: ACETYLENE, DISSOLVED

SDS ID: MAT00280

Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

No LOLI ecotoxicity data are available for this product's components.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262.

Hazardous Waste Number(s): D001, D003.

Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

Section 14 - TRANSPORT INFORMATION

US DOT Information

Shipping Name: Acetylene, dissolved

UN/NA #: UN1001 Hazard Class: 2.1

Required Label(s): 2.1

TDG Information

Shipping Name: Acetylene, dissolved

UN #: UN1001 Hazard Class: 2.1

Required Label(s): 2.1

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), 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 Health: Yes Chronic Health: No Fire: Yes Pressure: Yes Reactive: Yes

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
ACETYLENE, DISSOLVED	74-86-2	Yes	Yes	Yes	Yes	Yes

Not regulated under California Proposition 65

Component Analysis - Inventory

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
ACETYLENE, DISSOLVED	74-86-2	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes