

# MATERIAL SAFETY DATA SHEET

L-4788-A  
July 1985



An explanation of the terms used herein may be found in OSHA 29 CFR 1910.1200, available from OSHA regional or area offices.  
(Essentially similar to U.S. Department of Labor Form OSHA-20 and generally accepted in Canada for information purposes)  
Do Not Duplicate This Form. Request an Original.

COTTET'S WE... SUPPLY CO. INC.  
2730 ERIE BLVD. EAST  
P. O. BOX 1317  
SYRACUSE, N. Y. 13201

## PRODUCT IDENTIFICATION

<b>PRODUCT</b>	STARGON® - Argon, Carbon Dioxide, Oxygen Mixture		
<b>CHEMICAL NAME</b>	Argon, Carbon Dioxide & Oxygen mixture	<b>SYNONYMS</b>	Not Applicable
<b>FORMULA</b>	Mixture of O <sub>2</sub> , CO <sub>2</sub> , and Ar	<b>CHEMICAL FAMILY</b>	Not Applicable
		<b>MOLECULAR WEIGHT</b>	Not Applicable
<b>TRADE NAME</b>	STARGON® (This product is intended for electric welding use.)		

## II. HAZARDOUS INGREDIENTS

This section covers the materials from which this product is manufactured. The fumes and gases produced during cutting with the normal use of this product are covered by Section VI. The term "hazardous" should be interpreted as a term required and defined in OSHA 29 CFR 1910.1200 and does not necessarily imply the existence of any hazard.

MATERIAL (CAS NO.)	Vol (%)	1984-1985 ACGIH TLV-TWA (OSHA-PEL)	
Oxygen (7782-44-7)	< 5	None currently established (None currently established)	
Argon (7440-37-1)	> 90	Simple asphyxiant	(None currently established)
Carbon Dioxide (124-38-9)	< 10	5000 ppm	(5000 ppm)

COLE MUFFLER, INC.  
HOME OFFICE  
103 KUHN ROAD  
SYRACUSE, NY 13208

## III. PHYSICAL

<b>BOILING POINT, 760 mm. Hg</b>	Not Applicable	<b>FREEZING POINT</b>	Not Applicable
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1)</b>	Gas	<b>VAPOR PRESSURE AT 20°C.</b>	Gas
<b>VAPOR DENSITY (air = 1)</b>	1.4	<b>SOLUBILITY IN WATER, % by wt.</b>	Negligible
<b>PERCENT VOLATILES BY VOLUME</b>	100	<b>EVAPORATION RATE (Butyl Acetate = 1)</b>	Not Applicable
<b>APPEARANCE AND ODOR</b> Colorless, odorless gas at normal temperature and pressure.			

## EMERGENCY PHONE NUMBER

IN CASE OF EMERGENCIES involving this material, further information is available at all times:  
In the USA 304 — 744-3487 In Canada 514 — 645-5311  
For routine information contact your local supplier

Union Carbide requests the users of this product to study this Material Safety Data Sheet (MSDS) and become aware of product hazards and safety information. To promote safe use of this product a user should (1) notify its employees, agents and contractors of the information on this MSDS and any product hazards and safety information, (2) furnish this same information to each of its customers for the product, and (3) request such customers to notify their employees and customers for the product of the same product hazards and safety information.

UNION CARBIDE CORPORATION ☐ LINDE DIVISION  
UNION CARBIDE CANADA LIMITED ☐ LINDE DIVISION

# MATERIAL SAFETY DATA SHEET

L-4559-D  
November 1986



An explanation of the terms used herein may be found in OSHA 29 CFR 1910.1200, available from OSHA regional or area offices.  
(Similar to U.S. Department of Labor Form OMB No. 1218-0072 and generally accepted in Canada for information purposes)  
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COTTET'S WELDING SUPPLY CO. INC.  
2000 BLVD. EAST  
P.O. BOX 1317  
SYRACUSE, N. Y. 13201  
PHONE: 446-8000

## I. PRODUCT IDENTIFICATION

PRODUCT	Acetylene		
CHEMICAL NAME	Acetylene	SYNONYMS	Acetylen, Ethine, Ethyne, Narcylene
FORMULA	C <sub>2</sub> H <sub>2</sub>	CHEMICAL FAMILY	Alkyne
		MOLECULAR WEIGHT	26.038
TRADE NAME	Acetylene (This product is intended for welding and cutting use.)		

## II. HAZARDOUS INGREDIENTS

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MATERIAL (CAS NO.)	Vol (%)	1986-1987 ACGIH TLV-TWA (OSHA-PEL)
Acetylene (74-86-2)	100	Simple asphyxiant (None currently established)
COLE MUFFLER, INC. HOME OFFICE 103 KUHN ROAD SYRACUSE, NY 13208		Acetylene cylinders are filled with a porous material containing acetone into which the acetylene is dissolved. ACGIH has established a TLV-TWA of 750 ppm for acetone and a STEL of 1000 ppm.

## III. PHYSICAL DATA

BOILING POINT, 760 mm. Hg	Not Applicable	SUBLIMATION POINT	-84°C (-119.2°F) @ 760mm Hg
SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	Not Applicable	VAPOR PRESSURE AT 21°C.	635 psig
VAPOR DENSITY (air = 1)	0.91	SOLUBILITY IN WATER, % by wt.	Slight
PERCENT VOLATILES BY VOLUME	100	EVAPORATION RATE (Butyl Acetate = 1)	Not Applicable
APPEARANCE AND ODOR Colorless gas at normal temperature and pressure; garlic-like odor.			

## IV. EMERGENCY PHONE NUMBER

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UNION CARBIDE CORPORATION ☐ LINDE DIVISION  
UNION CARBIDE CANADA LIMITED ☐ LINDE DIVISION

# MATERIAL SAFETY DATA SHEET

L-4638-A  
September 1985



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COMET'S WELDING SUPPLY CO. INC.  
2500 E. BLVD. EAST  
P.O. BOX 1317  
SYRACUSE, N.Y. 13201  
PHONE: 446-8000

## PRODUCT IDENTIFICATION

PRODUCT	Oxygen	SYNONYMS	Not applicable
CHEMICAL NAME	Oxygen	CHEMICAL FAMILY	Not applicable
FORMULA	O <sub>2</sub>	MOLECULAR WEIGHT	32.00
TRADE NAME	Oxygen		

## II. HAZARDOUS INGREDIENTS

For mixtures of this product request the respective component Material Safety Data Sheets. See Section IX.

MATERIAL (CAS NO.)	Wt (%)	1984-1985 ACGIH-TLV-TWA (OSHA-PEL)
Oxygen (7782-44-7)	100	None currently established (None currently established)
COLE MUFFLER, INC. HOME OFFICE 103 KUHN ROAD SYRACUSE, NY 13208		

BOILING POINT, 760 mm. Hg	-183°C (-297.4°F)	FREEZING POINT	-218.4°C (-361.1°F)
SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	Gas	VAPOR PRESSURE AT 20°C.	Gas
VAPOR DENSITY (air = 1)	1.105 @ 25°C	SOLUBILITY IN WATER, % by wt.	Negligible
PERCENT VOLATILES BY VOLUME	100	EVAPORATION RATE (Butyl Acetate = 1)	Not applicable
APPEARANCE AND ODOR Colorless, odorless gas at normal temperature and pressure.			

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