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U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

REV: 5/16/78

MANUFACTURER'S NAME
Aircro Welding Products

EMERGENCY TELEPHONE NO.
(201) 464-8100

ADDRESS (Number, Street, City, State, and ZIP Code)
575 Mountain Ave., Murray Hill, N. J. 07974

CHEMICAL NAME AND SYNONYMS
Acetylene (Ethyne, Ethine)

TRADE NAME AND SYNONYMS
Acetylene-in compressed gas cylinders

CHEMICAL FAMILY
Hydrocarbon Flammable Gas

FORMULA
C₂H₂

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES
Acetylene, var 100 None

① Except trace impurities.

② American Conference of Government and Industrial Hygenists, 1977 ed.

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) (Sublimes)	-118.5	SPECIFIC GRAVITY (H ₂ O=1)	N/A
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1)	0.9053	EVAPORATION RATE (_____ =1)	N/A
SOLUBILITY IN WATER	Slight		
APPEARANCE AND ODOR	Colorless, garlic odor, gas.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	Flammable Gas	FLAMMABLE LIMITS Volume % (in air)	LeL 2.57	UeL 80
EXTINGUISHING MEDIA	Water dry chemical, CO ₂ , Wet rag or waste for small leak fire. Close cylinder valve or shut off supply if possible.			
SPECIAL FIRE FIGHTING PROCEDURES	Keep personnel away. Cool burning cylinder with lots of water to prevent explosion. Wet down adjacent combustables. If flame is extinguished continue to cool cylinder with water. Remove cylinder as quickly as possible to safe outdoor location and allow contents to be expended.			
UNUSUAL FIRE AND EXPLOSION HAZARDS WARNING:	If flame is extinguished before supply is shut off, there is serious danger of explosion from re-ignition. Keep all sources of ignition away. Container may rupture if its wall is subjected to localized fire or unusual heat. Keep container cool with lots of water.			