View NSN Online: https://aerobasegroup.com/nsn/6830-00-264-6751

AIR PRODUCTS AND CHEMICALS INC. -- ACETYLENE, ETHYNE, ETHINE -- 6830-00-264-6751

Product ID:ACETYLENE,ETHYNE,ETHINE

MSDS Date:06/01/1990

FSC:6830

NIIN:00-264-6751

MSDS Number: BVFKV === Responsible Party ===

Company Name: AIR PRODUCTS AND CHEMICALS INC.

Address:7201 HAMILTON BLVD

City:ALLENTOWN

State:PA

ZIP:18195-1501 Country:US

Info Phone Num:215-481-4911 / 215-48

1-5900

Emergency Phone Num:215-481-4911 / 215-481-5900

CAGE:00742

=== Contractor Identification ===

Company Name: AIR PRODUCTS AND CHEMICALS INC

Address:7201 HAMILTON BLVD

Box:City:ALLENTOWN

State:PA

ZIP:18195-1501 Country:US

Phone:800-345-3148/800-752-1597

CAGE:00742

Company Name: AIR PRODUCTS AND CHEMICALS INC

Address:2900 52ND AVE Box:City:HYATTSVILLE

State:MD

ZIP:20781-1103

Country:US

Phone:610-481-6333

CAGE:56028

====== Composition/Information on Ingredients ========

Ingred N

ame:ACETYLENE CAS:74-86-2 RTECS #:AO9600000 Other REC Limits:NONE RECOMMENDED ACGIH TLV:ASPHYXIANT; 9394

========== Hazards Identification ================

LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT RELEVANT.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:LUNGS AND CENTRAL

NERVOUS SYSTEM. ACUTE- SIMPLE ASPHYXIANT, IRRITANT AND ANESTHETIC. ABOUT 100 MG/LITER MAY BE

TOLERATED FOR 0.5-1 HOUR. IF OXYGEN IN

AIR IS DILUTED SUFFICIENTLY, CAN CAU SE HEADACHE, DIZZINESS, SHORTNESS OF BREATH, LOSS OF CONCIOUSNESS. CHRONIC- NO EVIDENCE OF HARMFUL EFFECTS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION OF RESPIRATORY TRACT AND EYES,
HEADACHES, DIZZINESS, SHORTNESS OF BREATH, LOSS OF CONSCIOUSNESS
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF
RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid:GET PROMPT MEDICAL ATTENTION. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. FIRST DEGREE AND MINOR SECOND DEGREE THERMAL BURNS FROM FIRE SHOULD BE IMMERSED IN COOL WATER FOR 30 MINUTES. MAJOR SECOND AND THIRD DEGREE BURNS SHOULD BE COVERED IN THE CLEANEST MATERIAL AVAILABLE.

Flash Point Method:CC Flash Point:0F,-18C

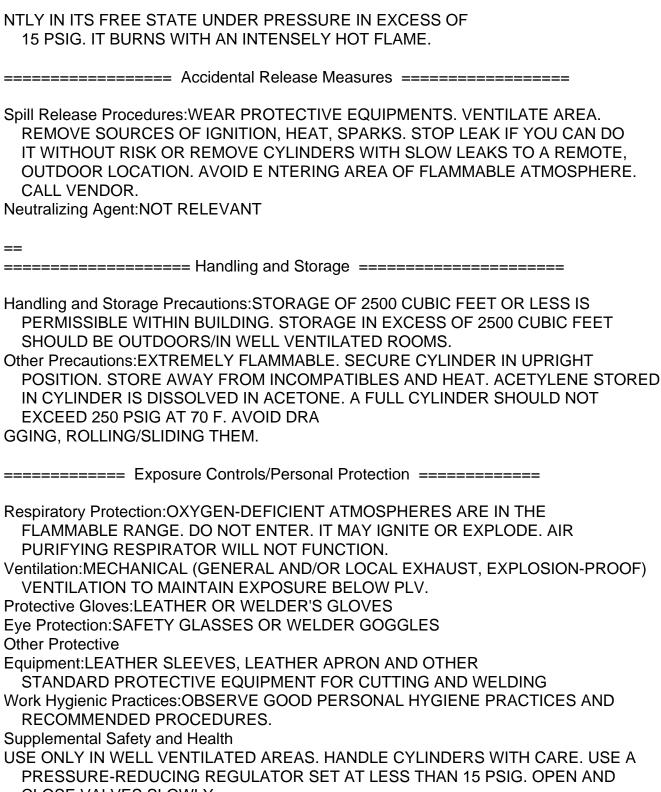
Autoignition Temp: Autoignition Temp Text: 581F

Lower Limits:2.5 Upper Limits:100

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE OR HALON. COOL CYLINDERS WITH WATER SPRAY.

Fire Fighting Procedures:ONLY SAFE WAY TO EXTINGUISH FIRE IS TO STOP THE FLOW OF GAS. IF FLOW CANNOT BE STOPPED, LET FIRE BURN ITSELF OUT WHILE COOLING WITH WATER FOG. STAY UPWIND.

Unusual Fire/Explosion Hazard:EXTREMELY FLAMMABLE AND EXPLOSIVE. IT MAY DECOMPOSE VIOLE



CLOSE VALVES SLOWLY.

========= Physical/Chemical Properties ===========

HCC:G2

NRC/State Lic Num:NOT REL

EVENT Boiling Pt:B.P. Text:-119F,-84C
Melt/Freeze Pt:M.P/F.P Text:-113F,-81C
Vapor Pres:30503-119F
Vapor Density:0.906
Spec Gravity: 0.621 @ -116F
Evaporation Rate & Dr. Reference: NOT RELEVANT
Solubility in Water:1 FT3/1 FT3 @ 64F
Appearance and Odor:COLORLESS, FLAMMABLE GAS - ODORLESS WHEN PURE, GARLIC-LIKE ODOR IF IMPURE
========= Stability and Reactivity Data ==========
Stability Indicator/Materials to Avoid:NO
OXIDIZERS (OXYGEN & HALOGENS), COPPER, BRASS, COPPER SALT, M ERCURY &
MERCURY SALT, SILVER & SILVER SALT, NITRIC ACID
Stability Condition to Avoid:NEVER UTILIZE FREE GAS OUTSIDE CYLINDER AT PRESSURE IN EXCESS OF 15 PSIG. AVOID SHOCKS TO CYLINDER. AVOID

HEAT.
Hazardous Decomposition Products:ACETYLENE WILL DECOMPOSE INTO ELEMENTAL CARBON AND HYDROGEN.

====== Disposal Considerations ==========

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF RESIDUAL GAS IN CYLINDERS. RETURN CYLINDERS TO MANUFACTURER FOR DI SPOSAL.

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