

ACETYLENE

MSDS Number

BHDFJ

National Stock Number

6830-00-264-6751

Product Name

ACETYLENE

Manufacturer

SUNOX INC

Product Identification

Product ID:ACETYLENE
MSDS Date:01/23/1992
FSC:6830
NIIN:00-264-6751
MSDS Number: BHDFJ

Responsible Party

SUNOX INC
4236 STATESVILLE RD
CHARLOTTE , NC 28233
US
Emergency Phone: 800-424-9300(CHEMTREC)/800-868-7780
Info Phone: 704-596-6262
Cage: 5Z946

Contractor

SUNOX INC
33871
BLYTHEWOOD, SC 29016
US
804-275-4341 (DGSC-SSH)
Cage: 5Z946

Ingredients

ACETYLENE
CAS: 74-86-2
RTECS: AO9600000
Fraction By Weight: >99%
ACGIH TLV: ASPHYXIAN; 9596

TRACES OF AIR, PHOSPHINE, ARSINE, HYDROGEN SULFIDE.

Fraction By Weight: TRACES

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:STIMULUS SUCH AS EPINEPHRINE/EPHEDRINE

MAY INDUCE VENTRICULAR FIBRILLATION. INHAL: SIMPLE ASPHYXIAN/NARCOTIC. SKIN/EYE: NO ADVERSE EFFECTS REPORTED FROM PURE GAS. INGEST: UNLIKELY.

Explanation of Carcinogenicity: PER MSDS: CARCINOGEN STATUS: NONE.
Effects of Overexposure: DYSPNEA, HEAD, STAGGERING GAIN, LOSS OF COORDINATION, LOSS OF CONSC, COMPLETE ANESTHESIA, INCR BLOOD PRESSURE, NARCOSIS, STIMULATED RESP, MILD GASTRIC SYMPTOMS, DIZZ, MENTAL CONFUSION, EMOTIONAL INSTABILITY, HYPER CAPNIA, MYOCARDIAL SENS, ASPHYXIATION, RAPID RESP, AIR HUNGER, IMPAIR MENTAL ALERTNESS, CYANOSIS, WEAK, IRREG PULSE, RAPID FTG,
Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.
TARGET EFFECTS: SIMPLE ASPHYXIAN; CENTRAL NERVOUS SYTEM DEPRESSANT.

First Aid

First Aid: INHAL: REMOVE TO FRESH AIR IMMED. STOP BREATH GIVE ART RESP. MAINTAIN AIRWAY/BLOOD PRESSURE. ADMIN OXY. TREAT SYMPT/SUPP. SKIN: UNLIKELY EMERG TREAT REQUIRE. ADVERSE EFFECTS OCCUR WASH W/LG AMTS OF WATER/SOAP . EYE: UNLIKELY EMERG TREAT REQUIRE. ADVERSE EFFECTS OCCUR WASH W/WATER/NORMAL SALINE. INGEST: UNLIKELY EMERG TREAT REQUIRE. ADVERSE EFFECTS OCCUR TREAT SYMPT/SUPP. IN ALL CASES GET MED ATTN. NO ANTIDOTE.

Fire Fighting

Flash Point: EXT FLAMMABLE
Autoignition Temp: Autoignition Temp Text: 581F
Lower Limits: 2.5
Upper Limits: 100
Extinguishing Media: DRY CHEICAL, CARBON DIOXIDE OR HALON. LG: USE WATERSPRAY, FOG, STD FOAM.
Fire Fighting Procedures: MOVE CNTNR FRM FIRE AREA IF POSSIBLE. STAY AWAY FRM STORAGE TK ENDS. FOR MASSIVE FIRE IN STORAGE AREA USE UNMAN HOSE HOLDER/MONITOR NOZZ, ELSE W/D FRM AREA/(SUPPL)
Unusual Fire/Explosion Hazard: DANGEROUS EXPLO HAZ WHEN EXPO TO HEAT/FLAME. VAP-AIR MIXT EXPLO. DUE TO LOW ELECTROCONDUCTIVITY OF SUBST, FLOW/AGITATION MAY GENERATE ELECTROSTATIC CHARGES(SUPPLE)

Accidental Release

Spill Release Procedures: SHUT OFF IGN SOURCE. STOP LEAK W/O RISK. USE WATERSPRAY TO RED VAP. ISOLATE AREA TIL GAS DISPERSED. NO SMOKING/FLAME/FLARE IN HAZ AREA. KEEP UNNECESSARY PEOPLE AWAY. ISOLATE HAZ AREA/DENY ENTRY. VENTILATE CL SD SPACES BEF ENTERING.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions: STORE IAW 29CFR1910.102. PROTECT AGAINST PHY DMG. OUTSIDE/DETACH STORAGE PREF. ISOLATE FRM OXIDIZ GAS ESPEC CLO. STORE IN COOL WELL VENTI NONCOMBUST PLACE
Other Precautions: MAY DECOMPOSE EXPLO @ELEVATED TEMP/PRESSURE. STORE AWAY FROM ALL IGN SOURCE/COMBUST MATL. PROTECT AGAINST LIGHTNING/STATIC ELECTR. SOTRE CYL UPRIGHT. STORE IN CNTNRS WHICH MEET BOND/GROUND GUIDELIJNES SPE C NFPA 77-1983. STORE AWAY FRM INCOMP SUB

Exposure Controls

Respiratory Protection: SPECIFIC RESP SELECTED MSUT BE BASED ON CONTAMIN LEVELS IN WORKPLACE; NOT EXCEED WORKING LIMITS OF RESP; JOINTLY APPROVED BY NIOSH/MSHA.
Ventilation: PROVIDE LOCAL EXHAUST/GENERAL DILUTION VENTILATION. VENTILATION EQPMT MUST BE EXPLOSION-PROOF.
Protective Gloves: NOT REQUIRED BUT RECOMMENDED.
Eye Protection: NOT REQUIRED BUT ADVISEABLE.
Other Protective Equipment: IMPERVIOUS CLOTHING NOT REQUIRED.
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
DEN: 0.610 @-81C. FIRE: LET BURN. W/D IMMED IN CASE OF RISE SOUND FRM VENT SAF DEVICE/ANY DISCOLOR OF STORAGE TK FRM FIRE. LET BURN UNLESS LEAK

CAN STOP;SM TK/CYL EXT/ISOLATE FRM FLAMM MATL.FLOOD AMTS OF
FOG.COOL CNTNR W/FLOOD H2O.KEEP UPWIND.FIRE/EXPLO HAZ:RESULT IN
SPARK W/POSSIBLE IGN. INCOMP:TRIFLUOROMETHYL HYPOFLOURI

Chemical Properties

HCC:G2

Boiling Pt:B.P. Text:NP

Melt/Freeze Pt:M.P/F.P Text:-119F,-84C

Decomp Temp:Decomp Text:NP

Vapor Pres:760 @-84C

Vapor Density:0.90

Spec Gravity:1.1747 @0C

pH:NP

Viscosity:0.010 CPS@20C

Evaporation Rate & Reference:NP

Solubility in Water:0.94% @25C, SLIGHT

Appearance and Odor:COLORLESS GAS W/ETHEREAL ODOR WHEN PURE,
GARLIC-LIKE ODOR IF IMPURE.

Percent Volatiles by Volume:NP

Corrosion Rate:NP

Stability

BRASS,BR,CA(OCL)2,CL,CO,CU/SALTS,CUC,FL,I,HG(NO3)2,HG/SALT,NO,HNO3,N2O,
OXIDIZERS,O2,O3,K,RUH,AG/SALTS,AGNO3,NAH,(SUPPLE)

Stability Condition to Avoid:MATL EXTREM FLAMM;AVOID CONTACT
W/HEAT/SPARK/FLAME/OTHER IGN SOURCE.CONTENT UNDER PRESS;CNTNR MAY
RUPTURE VIOL/TRAVEL

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY
INCLUDE TOXIC OXIDES OF CARBON.

Conditions to Avoid Polymerization:MAY POLYMERIZE EXOTHERMICALLY ON
CONTACT W/APPROPRIATE CATALYSTS.

Disposal

Waste Disposal Methods:OBSERVE ALL FED/STTE/LOC REGS WHEN DISPO
MATL.ASSIST:CONTACT EPA DISTRICT DIR.

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