

ACETYLENE

MSDS Number

BRDJB

National Stock Number

6830-00-264-6751

Product Name

ACETYLENE

Manufacturer

MG INDUSTRIES

Product Identification

Product ID:ACETYLENE MSDS Date:11/20/1991 FSC:6830 NIIN:00-264-6751 MSDS Number: BRDJB

Responsible Party

MG INDUSTRIES

2460 BOULEVARD OF THE GENERALS

VALLEY FORGE, PA 19482

US

Emergency Phone: 215-630-5422

Info Phone: 215-630-5422

Cage: 08772

Contractor

MG INDUSTRIES

MALVERN, PA 19355-1424

US

610-695-7400 / 610-695-7449

Cage: 08772

Ingredients

ACETYLENE

CAS: 74-86-2

RTECS: A09600000

Fraction By Weight: >99%

ACGIH TLV: ASPHYXIANT; 9293

Hazards

LD50 LC50 Mixture:TCLO: 20 PPH INHALATION-HUMAN
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION-SIMPLE
ASPHYXIANT/NARCOTIC. PURE ACETYLENE AT A LEVEL OF 2.5% IN AIR IS
REPORTED TO BE NONTOXIC. SLIGHT INTOXICATION WITH REVERSIBLE
NARCOSIS MAY OCCUR AT 10%. MARKED INTOXICATION AT 20%.; LOSS OF
CONSCIOUSNESS AT 33-35%.CHRONIC: MAY PRODUCE BRONCHITIS & STOMACH

ULCERS.
Explanation of Carcinogenicity: THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT



CARCINOGENS.

Effects of Overexposure: DIZZINESS, MENTAL CONFUSION, EMOTIONAL INSTABILITY, HYPERCAPNIA AND MYOCARDIAL SENSITIZATION. ASPHYXIATION MAY OCCUR BY REDUCING THE OXYGEN CONCENTRATION IN RESPIRABLE AIR TO LOW LEVELS. COMERCIAL ACET YLENE OFTEN CONTAINS IMPURITIES WHICH MAY CAUSE RAPID RESPIRATION, AIR HUNGER, VOMITING, NAUSEA, CYANOSIS, COMA & DEATH.

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INHALATION-REMOVE FROM EXPOSURE AREA TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE CPR. MAINTAIN AIRWAY & BLOOD PRESSURE & GIVE OXYGEN IF AVAILABLE. GET MEDICAL HELP. SKIN& EYE-NO ADVERSE EFFECTS REPOR TED. WASH WITH WATER OR NORMAL SALINE &GET MEDICAL ATTENTION. INGESTION-IS UNLIKELY. TREAT SYMTOMATICALLY. GET MEDICAL HELP.

Fire Fighting

Autoignition Temp: Autoignition Temp Text: 581F

Lower Limits: 2.5% Upper Limits: 100%

Extinguishing Media:DRY CHEMICAL OR CARBON DIOXIDE. FOR LARGER FIRES,

USE WATER SPRAY, FOG OR REGULAR FOAM.

Fire Fighting Procedures: MOVE CONTAINER FRROM FIRE AREA IF CAN WITHOUT RISK. EXTINGUISH ONLY IF FLOW CAN BE STOPPED. USE WATER IN FLOODING

AMOUNTS AS A FOG. COOL CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard: DANGEROUS EXPLOSION HAZARD WHEN EXPOSED TO HEAT OR FLAME. VAPOR-AIR MIXTURES ARE EXPLOSIVE. FLOW OR AGITATION MAY GENERATE ELECTROSTATIC CHARGES & IGNITE MATERL

Accidental Release

Spill Release Procedures: SHUT OFF IGNITION SOURCES. STOP LEAK WITHOUT RISK. USE WATER SPRAY TO REDUCE VAPORS. ISOLATE AREA UNTIL GAS HAS DISPERSED. NO SMOKING, FLAMES OR FLARES IN HAZARD AREA. KEEP UNNECESSARY PEOPLE AWAY; IS OLATE HAZARD AREA AND DENY ENTRY. VENTILATE AREA.

Handling

Handling and Storage Precautions: STORE IA ACCORDANCE WITH 29CFR 1910.102. PROTECT AGAINST PHYSICAL DAMAGE. OUTSIDE OR DETACHED STORAGE PREFERRED. ISOLATE FROM OXIDIZERS.

Other Precautions:STORE IN COOL, WELL-VENTILATED, NON-COMBUSTIBLE PLACE, AWAY FROM ALL POSSIBLE SOURCES OF IGNITION OR COMBUSTIBLE MATERIALS. PROTECT AGAINST LIGHTING AND STATIC ELECTRICITY. STORE CYLINDERS UPRIGHT.

Exposure Controls

Respiratory Protection: THE SPECIFIC RESPIRATOR SELECTION SHOULD BE

BASED ON CONTAMINATION LEVELS FOUND IN WORK PLACE.

Ventilation: PROVIDE LOCAL EXHAUST OR GENERAL DILUTION VENTILATION.

VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF.

Protective Gloves: NOT REQUIRED BUT RECOMMENDED.

Eye Protection: NOT REQUIRED BY ADVISIBLE.

Other Protective Equipment:IMPERVIOUS CLOTHING IS NOT REQUIRED. HAVE

EMERGENCY EYE WASH AND SAFETY SHOWER AVAILABLE.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT BREATHE VAPORS OR MIST.

Chemical Properties

HCC:G2

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

Vapor Pres:760 MMHG Vapor Density:0.90 Spec Gravity:1.1747 Viscosity:0.010 CPS



Stability Indicator/Materials to Avoid:YES

Solubility in Water:0.95% @25C Appearance and Odor:COLORLESS GAS WITH ETHERAL ODOR WHEN PURE, GARLIC-LIKE ODOR IF IMPURE.

Stability

BRASS, BROMINE, CHLORINE, COBALT, FLUORINE, IODINE, OXYGEN, OZONE, OXIDIZERS, CESIUM HYDRIDE, NITRIC ACID, POTASSIUM, ET Stability Condition to Avoid:MAY DECOMPOSE EXPLOSIVELY AT ELEVATED TEMPERATURES AND PRESSURES.
Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE TOXIC OXIDES OF CARBON.
Conditions to Avoid Polymerization:MAY POLYMERIZE EXOTHERMICALLY ON CONTACT WITH APPROPIATE CATALYSTS.

Disposal

Waste Disposal Methods:OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN STORING OR DISPOSING OF THIS SUBSTANCE. FOR ASSISTANCE, CONTACT THE DISTRICT DIRECTOR OF THE ENVIRONMENTAL PROTECTION AGENCY.

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