

MG INDUSTRIES -- ACETYLENE -- 6830-00-337-0389

===== Product Identification =====

Product ID:ACETYLENE

MSDS Date:06/30/1994

FSC:6830

NIIN:00-337-0389

MSDS Number: CBRYZ

=== Responsible Party ===

Company Name:MG INDUSTRIES

Address:3 GREAT VALLEY PARKWAY

City:MALVERN

State:PA

ZIP:19355

Country:US

Info Phone Num:215-695-7400

Emergency Phone Num:800-424-9300(CHEMTREC)

CAGE:MGIND

=== Contractor Identi

fication ===

Company Name:MG INDUSTRIES

Address:2100 COMMERCE RD

Box:City:RICHMOND

State:VA

ZIP:23234

Country:US

Phone:804-231-1191

CAGE:8D945

Company Name:MG INDUSTRIES

Address:3 GREAT VALLEY PARKWAY

Box:945

City:MALVERN

State:PA

ZIP:19355

Country:US

Phone:215-630-5422

CAGE:MGIND

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

Ingred Name:ACETYLENE

CAS:74-86-2

RTECS #:AO9600000

Fraction by Wt: >99%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9596

Ingred Name:

TRACES OF AIR, PHOSPHINE, ARSINE, HYDROGEN SULFIDE.

Fraction by Wt: NP

Other REC Limits:NONE RECOMMENDED

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

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:STIMULANTS SUCH AS EPINEPHRINE OR
EPINEARINE MAY INDUCE VENTRICULAR FIBRILLATION.INHAL:SIMPLE
ASPHYXIANT,NARCOTIC.REVERSIBLE

NARCOSIS

@10%.INTOXICATION,DYSPNEA,HEAD,STAGGERING GAIT @20%;COORDIN LOSS @
30%;UNCONSC @33-35%;COMPLETE ANESTHESIA,INCR BLOOD
PRESSURE,NARCOSIS,STIMULATED RESP @>80%.MILD GASTRIC
SYMPT(SIGN/SYMP)

Explanation of Carcinogenicity:PER MSDS:CARCINOGEN STATUS:NONE.

Effects of Overexposure:DIZZ,MENTAL CONFUSION,EMOTIONAL
INSTABILITY,HYPERCAPHIA,MYOCARDIAL SENS.RAPID RESP,AIR
HUNGER,IMPAIRED MENTAL ALERTNESS,CYANOSIS,WEAK/IRREG PULSE,RAPID
FTG,NAU,VOMIT,PROSTRATION,METABOLIC

ACIDOSIS,HYP

EROLYCEMIA,KETONURIA,ELEVATED CREATININE LEVELS,IMPAIRMENT OF
JUDGEMENT/SENS,PULM EDEMA,COMA,DEATH.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:INHAL:REMOVE TO FRESH AIR IMMED.PERFORM ART RESP IF
NECESSARY.MAINTAIN AIRWAY,BLOOD PRESSURE,RESP.KEEP WARM/@REST.TREAT
SYMPTOM/SUPP.QUAL MED PERSON SHOULD CONSIDER ADMINI
OXY.SKIN:UNLIKELY EMERG TREA T REQUIRED.WASH

W/SOAP/MILD

DETERGENT/LG AMTS OF WATER.EYE:UNLIKELY EMERG TREAT REQUIRED.WASH
W/LG AMTS OF WATER/NORMAL SALINE 15-20MINS.INGEST:UNLIKELY EMERG
TREAT REQUIRED.TREAT SYMPT/SUPP.IN (SUPP)

===== Fire Fighting Measures =====

Flash Point:FLAMMABLE

Autoignition Temp:Autoignition Temp Text:581F

Lower Limits:2.5

Upper Limits:100

Extinguishing Media:DRY CHEMICAL, OR CARBON DIOXIDE. LG FIRE:USE WATER
SPRAY,FOG,OR REGULAR FOAM.

Fire Fighting Procedures:MOV

E CNTNR FRM FIRE AREA W/O RISK.MASSIVE FIRE
IN CARGO AREA USE UNMANNED HOSE HOLDER/MONIOTR NOZZ;IF IMPOSSIBLE
W/D,LET FIRE BURN.W/D IMMED IN CASE OF (SUPPLE)
Unusual Fire/Explosion Hazard:DANGEROUS EXPLO HAZ WHEN EXPO TO
HEAT/FLAME.VAP-AIR MIX EXPLO.DUE TO LOW ELECTROCONDUCT OF SUBST
FLOW/AGITATION MAY GENERATE ELECTROSTATIC CHARGES RESULT(SUPPL)

===== Accidental Release Measures =====

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.

Neutrali

zing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:OBSERVE ALL FED/STATE/LOC REGS WHEN
STORING.STORE IAW 29CFR1910.102.PROTECT AGAINST PHY

DMG.OUTSIDE/DETACH STORAGE PREFER.ISOLATE FRM OXID MATL(CHLOR)

Other Precautions:STORE IN COOL WELL VENTI NONCOMB PLACE AWAY FRM ALL
IGN SOURCES/COMB MATLS.PROTECT AGAINST LIGHTNING/STATIC ELECT.STORE
CYL UPRIGHT.BOND/GROUND CNTNR NFPA 77-1983. INCOM

PAT:RUBIDIUM

HYDRIDE,AG/SALTS,A GNO3,SODIUM HYDRIDE,TRIFLUOROMETHYLHYPOF

===== Exposure Controls/Personal Protection =====

Respiratory Protection:SPEC RESP SELECTED BSED ON CONTAMIN LEVELS IN
WORKPLACE,ON SPEC OPERATION,NOT EXCEED WORKING LIMITS OF
RESP,JOINTLY APPROVED BY NIOSH/MSHA.

Ventilation:PROVIDE LOC EXHAU/GEN DIL VENTI.VENTI EQPMT SHOULD BE
EXPLO-PROOF IF EXPLO CONC OF DUST/VAP/FUME ARE PRESENT.

Protective Gloves:NOT REQUIRED BUT RECOMMENDED.

Eye Prot

ection:NOT REQUIRED BUT ADVISABLE.

Other Protective Equipment:IMPERVIOUS CLOTHING.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIREFIGHT:RISING SOUND FRM VENT SAF DEVICE/DISCOLORATION OT TK DUE TO
FIRE.COOL CNTNR W/WATER USE UNMANNED DEVICE TIL WELL AFT FIRE
OUT.ISOLATE 1/2MI IN ALL DIRECTIONS IF TK/RAILCAR/TK TRUCK INVOLVED
IN FIRE.USE WATER IN FLOOD AMTS AS FOG.FIRE/EXPLO HAZ:IN SPARKS
W/POSSIBLE IGN. 1ST AID:ALL CASES GET MED ATTN IMM

ED.

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

HCC:G2

Boiling Pt:B.P. Text:NP

Melt/Freeze Pt:M.P/F.P Text:NP

Decomp Temp:Decomp Text:NP

Vapor Pres:760 @-84C

Vapor Density:0.90

Spec Gravity:1.174G/L @25C

pH:NP

Viscosity:0.010CP@20C

Evaporation Rate & Reference:NP

Solubility in Water:0.94 @25C, SLIGHT.

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

Percent Volatiles by Volume:NP

Corrosion Rate:NP

===== S
tability and Reactivity Data =====

BRASS,BR,CA(OCL)2,CEH,CL,CO,CU/SALTS,CUPORUS

CARBINDE,FL,I,HG(NO3)2,HG/SALTS,HNO3,NO,OXIDIZERS,OXY,OZONE,K(OTHER
PRECAU)

Stability Condition to Avoid:MATL EXTREMELY FLAMM.AVOID CONTACT

W/HEAT/SPARKS/FLAMES/IGN SOURCES.CONTENTS UNDER PRESSURE;RUPTURE
VIOL/TRAVEL DISTANCE

Hazardous Decomposition Products:TOXIC OXIDES OF CARBON.

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

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

Waste Disposal Methods:OBSERVE ALL FED/STATE/LOC REGS WHEN DISPO.

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