

BOC GROUP INC THE -- ACETYLENE -- 6830-00-264-6751

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Product Identification
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Product ID:ACETYLENE

MSDS Date:03/24/1997

FSC:6830

NIIN:00-264-6751

MSDS Number: CCMPZ

=== Responsible Party ===

Company Name:BOC GROUP INC THE

Address:575 MOUNTAIN AVE

City:MURRAY HILL

State:NJ

ZIP:07974

Country:US

Info Phone Num:908-464-8100/FOR MSDS:1800-734-5463

Emergency Phone Num:908-464-8100/800-424-9300(

CHEMTREC)

CAGE:80382

=== Contractor Identification ===

Company Name:BOC GASES, A DIVISION OF THE BOC GROUP, INC

Address:575 MOUNTAIN AVENUE

Box:City:MURRAY HILL

State:NJ

ZIP:07974

Country:US

Phone:908-464-8100

CAGE:80382

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Composition/Information on Ingredients
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Ingred Name:ACETYLENE

CAS:74-86-2

RTECS #:AO9600000

Fraction by Wt: 95-99.6%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9596

Ingred Name:ACETONE (SARA 313) (CERCLA)

CAS:67-64-1

RTECS #:AL3150000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:750PPM/1000STEL;9596

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACETYLENE IS AN ASPHYXIANT AND MAY CAUSE ANESTHETIC EFFECTS AT HIGH CONCENTRATIONS. HIGH CONCENTRATIONS MAY EXCLUDE AND ADEQUATE SUPPLY OF OXYGEN TO THE LUNGS.

Explanation of Carcinogenicity:NOT CARCINOGENIC.

Effects of Overexposure:EFFECTS OF OXYGEN DIFFICIENCY RESULTING FROM SIMPLE ASPHYXIANTS MAY INCLUDE: RAPID BREATHING, DIMINISHED MENTAL ALERTNESS, IMPAIRED MUSCULAR COORDINATION, FAULTY JUDGEMENT, DEPRESSION OF ALL SENSATION S, EMOTIONAL INSTABILITY & FATIGUE. AS ASPHYXIATION PROGRESSES, NAUSEA, VOMITING, PROSTRATION, & LOSS OF CONSCIOUSNESS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE. PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS. VICTIM SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA AND INHAL E FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST IMPORTANT. IF BREATHING HAS STOPPED ADMINISTER ARTIFICIAL RESUSCITATION AND SUPPLEMENTAL OXYGEN. KEEP VICTIM WARM AND QUIET.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:565F

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:WARNING: ALWAYS EXTINGUISH A FIRE BEFORE CLOSING THE CYLINDER VALVE. WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING FOR FIRE FIGHTING.

Unusual Fire/Explosion Hazard:KEEP CONTAINER COOL WITH WATER SPRAY.

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===== Accidental Rel

ease Measures =====

Spill Release Procedures:IF POSSIBLE TO DO SAFELY, SHUT OFF IGNITION SOURCES AND STOP LEAK BY CLOSING THE VALVE. FOR SMALL LEAKS, CYLINDERS MAY BE MOVED TO AN AREA OUTDOORS AND AWAY FROM ANY SOURCE OF IGNITION. OPEN VALVE SLO WLY TO LET ACETYLENE ESCAPE.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL-VENTILATED AREA AWAY FROM HEAVILY TRAFFICKED AREAS ADN EMERGENCY E XITS. KEEP CYLINDERS UPRIGHT & FIRMLY SECURED.

Other Precautions:USE A "FIRST IN-FIRST OUT" INVENTORY SYSTEM.POST "NO SMOKING/OPEN FLAMES" SIGN IN THE STORAGE AREA. THERE SHOULD BE NO SOURCES OF IGNITION IN THE STORAGE/USE AREA.DO NOT ALLOW THE TEMPERATURE WHERE CY LINDERS ARE STORED TO EXCEED 130F (54C).

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

Respiratory Protection:POSITIVE PRESSURE AIR LINE WITH MASK OR SELF-CONTAINED BREATHING APPARATUS SHOUL D BE AVAILABLE FOR EMERGENCY USE.

Ventilation:PROVIDE GENERAL ROOM VENTILATION AND LOCAL EXHAUST TO PREVENT ACCUMULATION. MECHANICAL VENTILATION SHOULD BE USED.

Protective Gloves:PVC OR RUBBER

Eye Protection:SAFETY GLASSES/GOGGLES

Other Protective Equipment:SAFETY SHOES, EMERGENCY SHOWER

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health
SIMPLE ASPHYXIANT.

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

HCC:G2

Boiling Pt:B.P. Tex

t:-119F,-84C

Melt/Freeze Pt:M.P/F.P Text:-113F,-81C

Vapor Pres:635 PSIA

Spec Gravity:0.906

Solubility in Water:SOLUBLE

Appearance and Odor:PURE ACETYLENE IS COLORLESS-ETHEREAL ODOR.COMMERCIAL ACETYLENE GARLIC-LIKE ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

OXYGEN AND OTHER OXIDIZERS INCLUDING HALOGENS AND HALOGEN COMPOUNDS.

Stability Condition to Avoid:STABLE. SHOCK SENSITIVE IN THE LIQUID STATE. DO NOT ALLOW FREE

GAS TO EXCEED 15 PSIG. AVOID SHOCK OR HEAT.

Hazardous Decomposition Products: CARBON MONOXIDE MAY BE PRODUCED FROM BURNING.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE TO YOUR SUPPLIER OR CALL THE EMERGENCY TELEPHONE NUMBER.

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