

AIR GAS INC

-- ACETYLENE,P-0001

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MSDS Safety Information
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FSC: 6830
NIIN: 00-292-0138
MSDS Date: 10/31/1996
MSDS Num: CDXJY
Product ID: ACETYLENE,P-0001
MFN: 01
Responsible Party
Cage: 03684
Name: AIR GAS INC
Address: FIVE RADNOR CORPORATE CENTER, SUITE 550
City: RADNOR PA 19087
Info Phone Number: 610-687-5253/202-483-7616;INTERNATI
Emergency Phone Number: 610-687-5253/800-424-9300(CHEMTREC)
Preparer's Name: UNKNOWN
Review Ind: Y
Published: Y

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Preparer Co. when other than Responsible Party Co.
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Cage: 03684
Assigned Ind: Y
Name: AIR GAS INC
Address: FIVE RADNOR CORPORATE CENTER, SUITE 550
City: RADNOR PA 19087

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Contractor Summary
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Cage: 03684
Name: AIR GAS INC
Address: FIVE RADNOR CORPORATE CENTER, SUITE 550
City: RADNOR PA 19087
Phone: 610-687-5253/202-483-7616;INTERNATI
Cage: 0Y5M5
Name: SPECIALTY GAS TECHNOLOGY
Address: 10207-D CHAPEL HILL RD
City: MORRISVILLE NK 00000
Phone: 800-876-9581

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Item Description Information
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Item Manager: S9G
Item Name: ACETYLENE,TECHNICAL
Unit of Issue: CY
Quantitative Expression: 0000000010CF
UI Container Qty: 10CF
Type of Container: CYLINDER

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Ingredients
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Cas: 74-86-2
RTECS #: AO9600000
Name: ACETYLENE
% Wt: >99

Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: ASPHYXIAN; 9596

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Health Hazards Data
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LD50 LC50 Mixture: LD50 (ORAL RAT) IS NOT RELEVANT.
Route Of Entry Inds - Inhalation: YES
Skin: NO
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: TARGET ORGANS:EYE, SKIN, LUNGS & CNS. ACUTE-
ASPHYXIAN. MAY CAUSE DIZZINESS, HEADACHE, EXCITATION & UNCONSCIOUSNESS.
EYES/SKIN:ACETONE PORTION MAY CAUSE IRRITATION. ORAL:NOT LIKELY TO OCCUR.
CHRONIC- NO EVIDENCE OF HARMFUL EFFECTS FROM AVAILABLE INFORMATION.

Explanation Of Carcinogenicity: NONE

Signs And Symptoms Of Overexposure: IRRITATION, HEADACHE, DIZZINESS,
DROWSINESS, NAUSEA, VOMITING, EXCITATION, EXCESS SALIVATION,
UNCONSCIOUSNESS

Medical Cond Aggravated By Exposure: OVEREXPOSURE IS UNLIKELY TO AGGRAVATE
EXISTING MEDICAL CONDITIONS.

First Aid: PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF
OVEREXPOSURE.RESCUE PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING
APPARATUS & FIRE-RETARDANT EQUIPMENT. INHALED:REMOVE TO FRESH AIR. PROVIDE
OXYGEN/CPR IF NEEDED. EYES/SKIN:IMMEDIATELY FLUSH WITH RUNNING WATER FOR
AT LEAST 15 MINUTES. ORAL:UNLIKELY TO OCCUR.

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Handling and Disposal
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Spill Release Procedures: VENTILATE AREA. REMOVE SOURCES OF IGNITION. STOP
LEAK AND REMOVE LEAKING CONTAINERS IF YOU CAN DO WITHOUT RISK. BEFORE
ENTERING AREA, ESPECIALLY CONFINED AREA, CHECK ATMOSPHERE WITH DEVICE.
AVOID ENTERING AREA OF FLAMMABLE ATMOSPHERE.

Neutralizing Agent: NOT RELEVANT

Waste Disposal Methods: DO NOT ATTEMPT TO DISPOSE OF RESIDUAL GAS IN
CYLINDERS.RETURN TO AIRGAS. OBSERVE ALL LOCAL, STATE AND FEDERAL
REGULATIONS.

Handling And Storage Precautions: STORE CYLINDERS SECURED, IN UPRIGHT
POSITION.STORE AWAY FROM FLAMES & INCOMPATIBLES. STORAGE IN EXCESS OF 2500
CUBIC FEET MUST BE OUTDOORS.

Other Precautions: EXTREMELY FLAMMABLE. STORE AND USE WITH
ADEQUATEVENTILATION.GAS CAN CAUSE RAPID SUFFOCATION. KEEP OUT OF REACH
OF CHILDREN. ACETYLENE IN THE CYLINDER IS DISSOLVED IN ACETONE. A
FULLCYLINDER SHOULD NOT EXCEED 250PSIG AT 70F.

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Fire and Explosion Hazard Information
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Flash Point Text: FLAMMABLE GAS

Autoignition Temp Text: 581F

Lower Limits: 2.5%

Upper Limits: 82%

Extinguishing Media: DRY CHEMICAL, HALON, CO2. COOL CYLINDERS WITH WATER
SPRAY

FROM MAXIMUM DISTANCE TAKING CARE NOT TO EXTINGUISH FLAMES.

Fire Fighting Procedures: ONLY SAFE WAY TO EXTINGUISH FIRE IS TO STOP FLOW OF

GAS. IF FLOW CANNOT BE STOPPED, LET FIRE BURN ITSELF OUT WHILE COOLING CONTAINERS WITH WATER. STAY UPWIND.

Unusual Fire/Explosion Hazard: EXTREMELY FLAMMABLE AND EXPLOSIVE. IT MAY DECOMPOSE VIOLENTLY IN ITS FREE STATE UNDER PRESSURE IN EXCESS OF 15 PSIG. IT BURNS WITH AN INTENSELY HOT FLAME.

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Control Measures
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Respiratory Protection: OXYGEN-DEFICIENT ATMOSPHERES ARE IN THE FLAMMABLE RANGE. DO NOT ENTER. IT MAY IGNITE OR EXPLODE. AIR PURIFYING RESPIRATOR WILL NOT FUNCTION. WEAR NIOSH-APPROVED AIR SUPPLIED RESPIRATOR WHILE WORKING CONFINED AREAS.

Ventilation: MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV.

Protective Gloves: LEATHER OR WELDER'S GLOVES RECOMMENDED

Eye Protection: SAFETY GLASSES OR WELDER GOGGLES

Other Protective Equipment: LEATHER SLEEVES, LEATHER APRON AND OTHER STANDARD PROTECTIVE EQUIPMENT FOR CUTTING AND WELDING

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health: USE ONLY IN WELL VENTILATED AREAS. HANDLE CYLINDERS WITH CARE. FUMES AND GASES FROM WELDING CANNOT BE CLASSIFIED SIMPLY. TRAIN WORKERS TO KEEP THEIR HEADS OUT OF FUMES.

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Physical/Chemical Properties
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HCC: G2

NRC/State LIC No: NOT RELEVANT

B.P. Text: -118F,-83C

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

Decomp Text: UNKNOWN

Vapor Pres: 33584

Vapor Density: 0.906

Spec Gravity: NOT RELEVANT

Viscosity: NOT RELEVANT

Evaporation Rate & Reference: NOT RELEVANT

Solubility in Water: 1.7 VOL/VOL @ 0C/32F

Appearance and Odor: COLORLESS GAS WITH GARLIC-LIKE ODOR DISSOLVED IN ACETONE

Percent Volatiles by Volume: 100

Corrosion Rate: UNKNOWN

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Reactivity Data
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Stability Indicator: NO

Stability Condition To Avoid: NEVER UTILIZE FREE GAS OUTSIDE CYLINDER AT PRESSURE IN EXCESS OF 15 PSIG. AVOID SHOCKS TO CYLINDER. AVOID HEAT SOURCES.

Materials To Avoid: OXIDIZERS, HALOGENS, COPPER, BRASS, COPPER SALTS, SILVER AND SILVER SALTS, MERCURY AND MERCURY SALTS, NITRIC ACID

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, HYDROGEN, ELEMENTAL CARBON

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: UNKNOWN

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Toxicological Information
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Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: 03684
Trans ID NO: 68066
Product ID: ACETYLENE,P-0001
MSDS Prepared Date: 10/31/1996
Review Date: 01/30/1998
MFN: 1
Tech Entry NOS Shipping Nm: ACETYLENE
Radioactivity: NOT RELEVANT
Net Unit Weight: 10.7 LBS;TS
DOD Exemption NUM: NOT RELEVANT
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: CY
Container QTY: 10CF
Type Of Container: CYLINDER
Additional Data: DOT SHIPPING NAME, UN ID NUMBER, HAZARD CLASS PER MSDS.

Detail DOT Information

DOT PSN Code: ADR
DOT Proper Shipping Name: ACETYLENE, DISSOLVED
Hazard Class: 2.1
UN ID Num: UN1001
Label: FLAMMABLE GAS
Packaging Exception: NONE
Non Bulk Pack: 303
Bulk Pack: NONE
Max Qty Pass: FORBIDDEN
Max Qty Cargo: 15 KG
Vessel Stow Req: D
Water/Ship/Other Req: 25,40,57

Detail IMO Information

IMO PSN Code: AFB
IMO Proper Shipping Name: ACETYLENE,DISSOLVED
IMDG Page Number: 2101
UN Number: 1001
UN Hazard Class: 2(2.1)
IMO Packaging Group: -
Subsidiary Risk Label: -
EMS Number: 2-07
MED First Aid Guide NUM: 310

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Detail IATA Information
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IATA PSN Code: AFJ
IATA UN ID Num: 1001
IATA Proper Shipping Name: ACETYLENE, DISSOLVED
IATA UN Class: 2.1
IATA Label: FLAMMABLE GAS
Packing Note Passenger: FORB
Max Quant Pass: FORB
Max Quant Cargo: 15KG
Packaging Note Cargo: 200
Exceptions: A1

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Detail AFI Information
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AFI PSN Code: HDE
AFI Symbols: *
AFI Proper Shipping Name: COMPRESSED GAS, FLAMMABLE, N.O.S.
AFI Hazard Class: 2.1
AFI UN ID NUM: UN1954
Special Provisions: P4
Back Pack Reference: A6.3, A6.5

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HAZCOM Label
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Product ID: ACETYLENE,P-0001
Cage: 03684
Assigned IND: Y
Company Name: AIR GAS INC
Street: FIVE RADNOR CORPORATE CENTER, SUITE 550
City: RADNOR PA
Zipcode: 19087
Health Emergency Phone: 610-687-5253/800-424-9300(CHEMTREC)
Label Required IND: Y
Date Of Label Review: 06/18/1997
Status Code: C
MFG Label NO: UNKNOWN
Label Date: 06/18/1997
Year Procured: 1997
Origination Code: G
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Health Hazard: Moderate
Contact Hazard: Slight
Fire Hazard: Severe
Reactivity Hazard: None
Hazard And Precautions: TARGET ORGANS:EYE, SKIN, LUNGS & CNS. ACUTE-
ASPHYXIAANT. MAY CAUSE DIZZINESS & UNCONSCIOUSNESS. EYES/SKIN:ACETONE
PORTION MAY CAUSE IRRITATION. ORAL:NOT LIKELY TO OCCUR. CHRONIC- NO
EVIDENCE OF HARMFUL EFFECTS. STORE AWAY FROM FLAMES & INCO MPATIBLES. IF
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FIRST AID-PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF
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APPARATUS & FIRE-RETARDANT EQUIPMENT. INHALED:REMOVE TO FRESH AIR. PROVIDE
OXYGEN/CPR IF NEEDED. EYES/SKIN:IMMEDIATELY FLUSH WITH RUNNING WATER FOR 15

MINUTES.ORAL:UNLIKELY TO OCCUR.

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