

INGASCO, INCORPORATED -- ACETYLENE, TECHNICAL -- 6830-00-264-6751

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Product Identification  
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Product ID:ACETYLENE, TECHNICAL

MSDS Date:05/08/1992

FSC:6830

NIIN:00-264-6751

MSDS Number: BQCQY

=== Responsible Party ===

Company Name:INGASCO, INCORPORATED

Address:#20 12TH AVE WEST GRACE PARK

City:KALOOKAN CITY, METRO MANILA, PHILIPPINES

Country:PI

Info Phone Num:361-16-11

Emergency Phone Num:

361-16-11

CAGE:LO003

=== Contractor Identification ===

Company Name:INGASCO, INCORPORATED

Address:#20 12TH AVE WEST GRACE PARK

Box:City:KALOOKAN CITY, METRO MANILA, PHILIPPINES

Country:PI

Phone:361-16-11

CAGE:LO003

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Composition/Information on Ingredients  
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Ingred Name:ACETYLENE

CAS:74-86-2

RTECS #:AO9600000

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9293

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Hazards Identification  
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Routes of Entry: Inhalation:YE

S Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE-INHALATION:ACETYLENE IS AN

ASPHYXIAN(BRINGS ABOUT UNCONSCIOUSNESS OR DEATH BY REPLACING AIR  
AND DEPRIVING THE ORGANISM OF OXYGEN). EYES, SKIN, AND

INGESTION:NONE SPECIFIED BY MANUFACTURER. CHRO

NIC-INHALATION:ACCORDING TO MANUFACTURER, REPEATED EXPOSURE HAS NOT  
SHOWN DELETERIOUS(INJURIOUS TO HEALTH) EFFECTS.

Explanation of Carcinogenicity:NOT CONSIDERED TO BE

A CARCINOGEN BY  
NTP, IARC, OR OSHA.

Effects of Overexposure:INHALATION:SYMPTOMS SIMILAR TO THAT OF BEING  
INTOXICATED. AT HIGHER CONCENTRATIONS, MAY EXCLUDE AN ADEQUATE  
SUPPLY OF OXYGEN TO THE LUNGS CAUSING UNCONSCIOUSNESS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION:REMOVE PERSON TO FRESH AIR. IF UNCONSCIOUS, GIVE  
MOUTH-TO-MOUTH RESUSCITATION. GIVE SUPPLEMENTAL OXYG  
EN IF  
NECESSARY. PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF  
OVEREXPOSURE TO A CETYLENE.

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

Flash Point:GAS

Lower Limits:2.5%

Upper Limits:82%

Extinguishing Media:CARBON DIOXIDE OR DRY CHEMICAL

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE GEAR. EVACUATE AREA. STOP LEAK IF CAN BE DONE AT NO  
PERSONAL RISK. USE WATER SPRAY TO COOL CONTAINER

Unusual Fire/Explosion Haz

ard:GASEOUS ACETYLENE IS SPONTANEOUSLY

COMBUSTIBLE IN AIR AT PRESSURES ABOVE 30 PSIA. IT REQUIRES A VERY  
LOW IGNITION ENERGY SO THAT FIRES CAN REIGNITE VIOLENTLY.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE  
APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN USER'S EQUIPMENT,  
BE CERTAIN TO PURGE PIPING WITH AN INERT GAS PRIOR TO ATTEMPTING  
REPAIRS. IF LEAK IS IN CONTAINER OR VALVE,  
CONTACT SUPPLIER.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:PROTECT CYLINDERS FROM PHYSICAL  
DAMAGE. STORE IN A COOL, DRY AREA. DO NOT ALLOW TEMPERATURES TO  
EXCEED 130F.

Other Precautions:VALVE PROTECTION CAPS MUST REMAIN IN PLACE UNLESS  
CONTAINER IS SECURED WITH VALVE OUTLET PIPED TO USE POINT. \*DO NOT  
ALLOW THE FREE GAS TO EXCEED 30 PSIA (207 KPA). EARTH-GROUND AND  
BOND ALL LINES AND EQUIPME

NT ASSOCIATED WITH THE SYSTEM.

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

Respiratory Protection: POSITIVE PRESSURE AIR LINE OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.  
Ventilation: MECHANICAL EXHAUST IN ACCORDANCE WITH ELECTRICAL CODES.  
Protective Gloves: PVC OR RUBBER  
Eye Protection: SAFETY GOGGLES OR GLASSES.  
Other Protective Equipment: SAFETY SHOES, SAFETY SHOWER.  
Work Hygienic Practices: USE GOOD HYGIENE PRACTICES.  
Supplemental Safety and Health

SINCE ACETYLENE WILL EXPLODE OR COMBUST IF ITS PRESSURE EXCEEDS 30 PSIA, IT IS SHIPPED DISSOLVED IN ACETONE OR DIMETHYLFORMAMIDE WHICH IS DISPERSED IN A POROUS MASS WITHIN THE CYLINDER. NSN FOR GAS ONLY=6830-002708216; NSN FOR CYLINDER=8120-002683360.

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

HCC: G2  
Boiling Pt: B.P. Text: -119F, -84C  
Melt/Freeze Pt: M.P/F.P Text: -113F, -81C  
Vapor Pres: 33333 MMHG  
Vapor Density: .89 (AIR=1)  
Spec Gravity: 0.906 @ 68F  
Solubility in Water: APPRECIABLE  
Appearance and Odor: A COLORLESS GAS WITH A DISTINCTIVE GARLIC-LIKE ODOR.  
Percent Volatiles by Volume: 100

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

Stability Indicator/Materials to Avoid: NO OXYGEN AND OTHER OXIDIZERS INCLUDING ALL OF THE HALOGENS AND HALOGEN COMPOUNDS. BRASS, SILVER, MERCURY, COPPER.  
Stability Condition to Avoid: HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES. DO NOT ALLOW THE FREE GAS TO EXCEED 30 PSIA. AVOID SUDDEN SHOCK OR HEAT.  
Hazardous Decomposition Products: CARBON AND HYDROGEN.

===== 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. FOR EMERGENCIES, CONTACT SUPPLIER.

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