

CALOOCAN GAS CORPORATION -- ACETYLENE GAS 9DISSOLVED), TECHNICAL --
6830-00-264-6751

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Product Identification
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Product ID:ACETYLENE GAS 9DISSOLVED), TECHNICAL

MSDS Date:05/10/1992

FSC:6830

NIIN:00-264-6751

MSDS Number: BQCQX

=== Responsible Party ===

Company Name:CALOOCAN GAS CORPORATION

Address:44-46 GOLDEN RD

City:CALOOCAN INT'L SUBD, KAYBIGA, CALOOCAN

Country:PI

Info Phone Num:90-69-0

2

Emergency Phone Num:90-69-80

CAGE:CALLA

=== Contractor Identification ===

Company Name:CALOOCAN GAS CORPORATION

Address:44-46 GOLDEN RD CALOOCAN INT'L KAYBIGA

Box:City:CALOOCAN CITY

Phone:90-69-80

CAGE:CALLA

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Composition/Information on Ingredients
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Ingred Name:ACETYLENE

CAS:74-86-2

RTECS #:AO9600000

Fraction by Wt: 98%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9293

Ingred Name:ACETONE (SARA III)

CAS:67-64-1

RTECS #:AL3150000

Fraction by Wt: 2%

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r REC Limits:NONE RECOMMENDED
OSHA PEL:1000PPM
ACGIH TLV:750PPM/1000STEL;9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

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:ACETYLENE IS AN
ASPHYXIANT(BRINGS ABOUT UNCONSCIOUSNESS OR DEATH BY REPLACING AIR
AND DEPRIVING THE ORGANISM OF OXYGEN). EYES, SKIN, AND
IN
GESTION: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 SPE
CIFIED BY MANUFACTURER.

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

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

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

Lower Limits:2.5%
Upper Limits:80%
Extinguishing Media:CARBON DIOXIDE OR DRY CHEMICAL
Fire Fighting P
rocedures: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 Hazard: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.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM A

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

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===== 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 EQUIPMENT ASSOCIATED WITH THE SYSTEM.

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

Respiratory Protection:POSITIVE PRESSURE AIR LINE OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.
Ventilation:HOOD WITH FORCED 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.

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

HCC:G2

Boiling Pt:B.P. Text:-119F,-84C

Melt/Freeze Pt:M.P/F.P Text:-116F,-82C

Vapor Pres:33359 MMHG

Vapor Density:1.107KG/M3

Spec Gravity:0.906 @ 68F

Solubility in Water:APPRECIABLE

Appearance and Odor:A COLORLESS GAS WITH A DISTINCTIVE SWEET ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:NO OXYGEN AND OTHER OXI

DIZERS 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 SUPPLI ER. FOR EMERGENCIES, CONTACT SUPPLIER.

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