

UNION CARBIDE CORPORATION -- ACETYLENE -- 6830-00-264-6715

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

Product ID:ACETYLENE

MSDS Date:04/01/1987

FSC:6830

NIIN:00-264-6715

MSDS Number: BHDFE

=== Responsible Party ===

Company Name:UNION CARBIDE CORPORATION

Address:39 OLD RIDGEBURY ROAD

Box:NA

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:ROUTINE INFO CONTACT LOCAL SUPPLIER

Emergency Phone N

um:1-800-822-4357 CANADA 514-640-6400

CAGE:36346

=== Contractor Identification ===

Company Name:HAMPTON ROADS SUPPLY UNION CARBIDE LINDE DIVISION

Address:3450 VIRGINIA BEACH BLVD

Box:12567

City:NORFOLK

State:VA

ZIP:23502-3123

Country:US

CAGE:7D711

Company Name:UNION CARBIDE CORP LINDE DIV

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:800-822-4357; 304-744-3487

CAGE:36346

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

Ingred Name:A

CETYLENE  
CAS:74-86-2  
Fraction by Wt: 100%

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Health Hazards Acute and Chronic:GASES,FUMES,DUSTS MAY CAUSE IRRITATION TO EYES.LUNGS,NOSE,THROAT. ACUTE OVER EXPOSURE MAY INCLUDE SIGNS/SYMPTOMS AS WATERY EYES,NOSE & THROAT IRRITATION,HEADACHES,DIZZINESS,DIFFICULTY BREATHING,FRE QUENT COUGHING, OR CHEST PAINS.

Effects of Overexposure:INHL:ASPHYXIANT.MODERATE CONCENTRATIONS OF VAPOR MAY CAUSE HEADACHE,DROWSINESS, DIZZINESS,NAUSEA,VOMITING,EXCITATION,EXCESS SALIVATION,& UNCONSCIOUSNESS. SKIN: NO HARMFUL EFFECTS EXPECTED FROM V APOR. LIQUID MAY CAUSE FROSTBITEEYES:VAPOR MAY CAUSE IRRITATION.LIQ. MAY CAUSE IRRITATION/FROSTBITE.

Medical Cond Aggravated by Exposure:FUMES/GASES CAN BE DANGEROUS TO YOUR HEALTH AND MAY CAUSE SERIOUS LUNG DISEASE.

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First Aid Measures  
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First Aid:IN  
GST:DONOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.  
EYE:IMMEDIATELY FLUSHW/WATER FOR 15 MINUTES. CALL A PHYSICIAN.  
SKIN:FLUSH W/WATER & WARM FROSTBITE AREA W/WARM WATER(NOT TO EXCEED 105F). M ASSIVE EXPOSURE REMOVE CLOTHING WHILESHOWERING W/WARM WATER. INHAL:REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED GIVEARTIFICIAL RESPIRATION;IF BREATHING IS DIFFICULT OXYGEN MAYBE GIVEN.CALL PHYSICN

=====  
Fire Fighting Measures  
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Flash Po  
int Method:TCC  
Flash Point:OF/-17.8C  
Autoignition Temp:Autoignition Temp Text:\*\*\*  
Lower Limits:100  
Upper Limits:2.3  
Extinguishing Media:WATER SPRAY OF FOG  
Fire Fighting Procedures:IMMEDIATELY COOL CONTAINERS W/WATER SPRAY FROM MAXIMUM DISTANCE TO EXTINGUISH FLAMES.REMVOE IGNITION SOURCES IF W/O RISK.EVACUATE ALL PERSONNEL FROM AREA.  
Unusual Fire/Explosion Hazard:DONOT EXTINGUISH FLAMES DUE TO POSSIBILITY OF EXPLOSIVE REIGNITION.CONTAINER MAYRUPTURE DUE TO HEAT OF FIRE.FLAMMABLE

VAPORS MAY SPREAD FROM LEAK.

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

Spill Release Procedures: REMOVE IGNITION SOURCES IF W/O RISK. REDUCE VAPORS W/FOG OR WATER SPRAY. SHUT OFF LEAK IF W/O RISK. VENTILATE AREA OF LEAK/MOVE LEAKING CONTAINER TO WELL VENTILATED AREA. FLAMMABLE GAS MAY SPREAD FROM LEAK. EVACUATE ALL PERSONNEL FROM DANGER AREA.

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

Handling and Storage Precautions: STORE/USE WITH ADEQUATE

VENTILATION. CLOSE VALVE WHEN NOT IN USE OR EMPTY. STORE IN COOL & DRY PLACE. NEVER WORK ON A PRESSURIZED SYSTEM.

Other Precautions: DONOT STRIKE ARC ON CYLINDER. DONOT GROUND CYLINDER. DONOT STORE NEAR OPEN FLAMES. EXPLOSIVE ATMOSPHERES MAY LINGER. DONOT EXTINGUISH FLAMES DUE TO POSSIBILITY OF EXPLOSIVE REIGNITION.

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

Respiratory Protection: USE RESPIRABLE FUME RESPIRATOR/AIR SUPPLIED RESPIRATOR WHEN

WORKING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation: USE ENOUGH VENTILATION, LOCAL EXHAUST OR BOTH TO KEEP FUMES & GASES BELOW TLV.

Protective Gloves: WELDING GLOVES RECOMMENDED

Eye Protection: GOGGLES W/FILTER LENS

Other Protective Equipment: AS NEEDED WEAR HAND, HEAD, AND BODY PROTECTION

Supplemental Safety and Health

NK

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

Boiling Pt: B.P. Text: NA

Vapor Pres: 63

5 PSIG

Vapor Density:0.91

Spec Gravity:NA

Evaporation Rate & Reference:NA

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS GAS AT NORMAL TEMPERATURE AND PRESSURE  
GARLIC LIKE ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:NO

COPPER,SILVER,MERCURY, OR THEIR ALLOYS,OXIDIZING  
AGENTS,ACIDHALOGENS,MOISTURE/

Stability Condition to Avoid:AVOID USE AT PRESSURES ABOVE 15 PSIG.

Hazardous D

ecomposition Products:THERMAL DECOMPOSITION/BURNING MAY  
PRODUCE CO/CO<sub>2</sub>H<sub>2</sub>. CARBON DIOXIDE/MONOXIDE.

Conditions to Avoid Polymerization:ELEVATED TEMPERATURE & PRESSURE OR  
PRESENCE OF A CATALYST.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
AREA.DISCARD ANY PRODUCT,RESIDUE,DISPOSABLE CONTAINER/ LINER IN  
FULL COMPLIANCE W/FEDERAL,STATE,OR LOCAL REGULATIONS.

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