

OXYGEN SALES AND SERVICE INC -- ACETYLENE, ETHYNE, ETHINE -- 6830-00-264-6751

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

Product ID:ACETYLENE, ETHYNE, ETHINE
MSDS Date:07/10/1986
FSC:6830
NIIN:00-264-6751
MSDS Number: BHDFL
=== Responsible Party ===
Company Name:OXYGEN SALES AND SERVICE INC
Address:2043 S 35TH ST
Box:11393
City:TACOMA
State:WA
ZIP:98411-0393
Country:US
Info Phone Num:215-481-4911
Emergen
cy Phone Num:1-800-523-9374 IN PA:1-800-322-9092
CAGE:5H199
=== Contractor Identification ===
Company Name:OXYGEN SALES AND SERVICE INC
Address:2043 S 35TH ST
Box:11393
City:TACOMA
State:WA
ZIP:98411-0393
Country:US
CAGE:5H199

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

Ingred Name:NO INGREDIENT FOR THIS FORMULATION_INGREDIENT

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcin

ogenicity:NTP:NO IARC:NO OSHA:NO

Explanation of Carcinogenicity:ACETYLENE IS A SIMPLE ASPHYXIANT AND HAS NO TLV.

Effects of Overexposure:HEADACHES, DIZZINESS, SHORTNESS OF BREATH, & LOSS OF CONSCIOUSNESS MAY OCCUR IF THE GAS IS PRESENT IN QUANTITIES SUFFICIENT TO DILUTE THE OXYGEN IN AIR.SYMPTOMSOF ANOXIA OCCUR ONLY WHEN THE GAS CONCEN TRATIONS ARE WITHIN THE FLAMMABLE RANGE& MIXTURE HAS NOT IGNITED.

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

Fi

rst Aid:FIRST/SECOND DEGREE THERMAL BURNS FROM FIRES SHOULD BE IMMERSUED IN COOL WATER FOR 30 MINUTES.MAJOR SECOND/THIRD DEGREE BURNS SHOULD BE COVERED W/CLEANEST MATLAVAILABLE.PERSONS SUFFERING FROM LACK OF OXYGEN SHOULD BE MOVED TO AREAS WITHNORMAL ATMOSPHERE. ASSISTED RESPIRATION/SUPPLEMENTAL OXYGEN SHOULD BE GIVEN IF THE VICTIM IS NOT BREATHING. SEEK IMMEDIATE AID OF A PHYSICIAN.

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

Flash Point Met

hod:CC

Flash Point:0F / -18C

Autoignition Temp:Autoignition Temp Text:***

Lower Limits:2.5

Upper Limits:100

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, HALON

Fire Fighting Procedures:USE WATER SPRAY TO KEEP CYLINDERS OR OTHER CONTAINERS COOL IF EXPOSED TO FIRE. KEEP PERSONNEL AWAY SINCE CONTAINERS CAN RUPTURE VIOLENTLY WHEN EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:POTENTIAL EXPLOSION HAZARD EXISTS FROM REIGNITION IF FIRE IS EXTINGUISHED W/O SHUTTING OFF SOURCE. IT

BURNS WITH AN INTENSELY HOT FLAME.

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

Spill Release Procedures:VENTILATE AREA TO PREVENT FLAMMABLE MIXTURE FROM FORMING.REMOVE SOURCES OF IGNITION,HEAT,SPARKS, ETC.. AVOID ENTERING AREA OF FLAMMABLE ATMOSPHERE.CAREFULLY REMOVE CYLINDERS W/SLW LEAKS TO A REMOTE OUTDOOR LOCATION. CONTACT AIR PRODUCTS FOR ASSIST.

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

Handling and Storage Precautions

:USE SUITABLE HNDTRUCK.ALWAY OPEN/CLS
VALVES SLOWLY STORAGE SHOULD NOT BE IN HEAVY TRAFFIC AREAS.STOR AGE
AREA SHOULD BE FREE OF COMBUSTIBLE MATERIAL.
Other Precautions:SEGREGATE FULL/EMPTY CYLINDERS. KEEP ACETYLENE
CYLINDERS STORAGE AWAY FROM THE STORAGE OF OXYGEN/OTHER
OXIDIZERS.CYLINDERS SHOULD BE STORED/USED IN AN UPRIGHT
POSITION.AVOID HAZARDOUS MIXTURES & SOUR CE OF IGNT.DONOT
DRAG,ROLL,SLIDE CONTNR.

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

Respiratory Protection:OXYGEN DEFICIENT ATMOSPHERS ARE IN THE FLAMMABLE
RANGE. DO NOT ENTER.RESPIRATORSWILL NOT FUNCTION.
Ventilation:NATURAL OR MECHANICAL WHERE GAS IS PRESENT
Protective Gloves:LEATHER WORK GLOVES/WELDERS GLOVES
Eye Protection:SAFETY GLASSES/WELDERS GOGGLES.
Other Protective Equipment:LEATHER SLEEVES,LEATHER APRON
Supplemental Safety and Health
NK

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

HCC:G3
Boiling Pt:B.P. Text:**SEE BELOW
Vapor Pres:59
0 PSIA
Vapor Density:1ATM.0681
Spec Gravity:1 ATM 0.906
Solubility in Water:1ATM1.0CUFT/CUFTH2O
Appearance and Odor:PURE: COLORLESS,ODORLESS; IMPURITIES IMPART A
CHARACTERISTIC OF GARLIC LIKE ODO

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

Stability Indicator/Materials to Avoid:NO
OXYGEN,HALOGENS. FORMS EXPLOSIVE COMPOUNDS W/COPPER,BRASS, COPPER
SALT,HG/HG SALTS,K,AG/AG SALTS, & HNO3.
Stability Condition to Avoid:AVOID MECHANICAL SHOCKS TO CONTAINERS OF
ACE

TYLENE. NEVER EXPOSE CYLINDERS OR ACETYLENE SYSTEMS TO SOURCES OF HEAT.

Hazardous Decomposition Products:ACETYLENE WILL DECOMPIOSE INTO ELEMENTAL CARBON AND HYDROGENUNDER THE ABOVE CONDITIONS.

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

Waste Disposal Methods:DONOT ATTEMPT TO DISPOSE OF RESIDUAL GASEOUS ACETYLENE IN CYLINDERS. RETURN TO AIR PRODUCTS FOR DISPOSAL.

Disclaimer (provided with this information by the compiling agencies):
This information
is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.