

COAST WELDING SUPPLY -- OXYGEN,LOX(LIQUID ONLY),GOX(GAS ONLY) -- 6839-00-169-0805

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

Product ID:OXYGEN,LOX(LIQUID ONLY),GOX(GAS ONLY)

MSDS Date:02/16/1985

FSC:6839

NIIN:00-169-0805

MSDS Number: BHHDX

=== Responsible Party ===

Company Name:COAST WELDING SUPPLY

Address:916 WEST BETTERAVIA RD

City:SANTA MARIA

State:CA

ZIP:93455

Info Phone Num:800-322-2401

Emergency Phone Num:800-322-2401

CAGE:7N697

=== Contractor Identification ===

Company Name:COAST WELDING SUPPLY CO

Address:1421 MOUNTAIN VIEW

Box:City:OXNARD

State:CA

ZIP:93030-5106

Country:US

Phone:805-487-0411

CAGE:7N697

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

Ingred Name:OXYGEN

CAS:7782-44-7

RTECS #:RS2060000

Other REC Limits:N/K

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:OTHER PREC:USE VALVE TO PRVT BACK FLOW TO CONTR.DON'T USE  
FOR CLEANING,DUSTING,POWERING PNEUMATIC TOOLS. (SEE INGRED #3)

RTECS #:9999999ZZ

Other REC Limits:N/K

OSH

A PEL:N/K  
ACGIH TLV:N/K

Ingred Name:OTHER PREC:STORE AWAY FROM HEAVILY USED AREAS TO PRVT  
DMG.KEEP VALVE CAPS ON CYLINDERS NOT IN USE. (SEE INGRED #4)  
RTECS #:9999999ZZ  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:OTHER PREC:NEVER LUBRICATE VALVES OR CYLINDER  
CAPS.SEGREGATE FULL AND EMPTY CONTAINERS.  
RTECS #:9999999ZZ  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

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

LD50 LC50 Mixture:N/K  
Repor  
ts of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:SEVERE HAZARDS MAY BE PRESENT WHEN  
CONFUSION AND IMPAIRED JUDGEMENT LEAD TO OPERATIONAL ERRORS.INFANTS  
EXPOSED TO OXYGEN LEVELS IN EXCESS OF 35-40% MAY SUFFER PERMANENT  
VISUAL IMPAIRMENT OR BLINDNESS DUE TO RETROLENTAL FIBROPLASIA.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:EYES/SKIN:LIQ O\*2/COLD GAS WILL FRZ TISS & CAN  
CAUSE SEV CRYOGENIC BURNS.INGEST:N/A .INHAL:COUGH & CHEST PAINS  
  
FROM PURE O\*2 AT 1 ATMOS IN 8-24 HR,FROM 60% CONC IN SEVERAL  
DAYS.AT 2 ATMOS S YMP OCCUR IN 2-3 DAYS.>2 ATMOS MAY CAUSE CNS SYMP  
(TINGLING FINGERS & TOES,VISUAL & HEARING PROB,CONFUSION, (SEE  
SUPP)  
Medical Cond Aggravated by Exposure:N/K

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

First Aid:EYES/SKIN:IF CRYOGENIC LIQUID OR COLD BOIL-OFF GAS CONTACTS A  
WORKER'S SKIN OR EYES,FROZEN TISSUES SHOULD BE FLOODED OR SOAKED IN  
TEPID WATER (105-115F,41-

46C) FOR AT LEAST 15 MIN.DO NOT USE HOT  
WATER .BURNS WHICH RESULT IN BLISTERING OR DEEPER TISSUE FREEZING  
SHOULD BE SEEN PROMPLY BY A PHYSICIAN.INGESTION:N/A  
.INHALATION:REMOVE TO FRESH AIR .

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

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL  
PROTECTIVE EQUIPMENT .OXYGEN IS NONFLAMMABLE,BUT SUPPORTS AND  
VIGOROUSLY ACCELERATES COMBUSTION OF FLAMMABLES.

Unusual Fire/Explosion Hazard:SOME MATERIAL  
S WHICH ARE NONCOMBUSTIBLE  
IN AIR WILL BURN IN THE PRESENCE OF OXYGEN.

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

Spill Release Procedures:PREVENT LIQ O\*2 FROM CONTACTING  
GREASE,OIL,ASPHALT OR COMBUSTIBLES.VENT AREA.FLUSH W/ LRG AMTS OF  
WATER.DO NOT ENTER AREAS OF HIGH O\*2 CONC,WHICH CAN SATURATE  
CLOTHING,INCREASING IT'S FLAMMABILITY.

Neutralizing Agent:N/K

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

Handling and Storage Preca

utions:USE/STORE IN WELL-VENT AREA,AWAY FROM  
FLAM MATL/HEAT/CORR CHEM.DO NOT ENTRAP LIQ IN CLSD SYS.HNDL/MOVE  
CYLINDERS W/CARE,SECURE WHEN IN USE.

Other Precautions:DO NOT USE O\*2 INSTEAD OF COMPRESSED AIR.USE W/  
COMPAT MATLS & EQUIP DESIGNED FOR O\*2 USE.EXPERTS SHOULD REFILL  
CYLINDERS.USE A PRESS-REDUCING REGULATOR WHEN CONNECTING TO LOWER  
PRESS PIPING SYS.OPEN VALVES SLOWLY. (SEE INGRED #2)

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

Respiratory P

rotection:N/A

Ventilation:LOCAL AND GENERAL VENTILATION NECESSARY TO KEEP AIR  
CONCENTRATION BELOW LEVEL OF CONCERN .

Protective Gloves:LIQ:IMPERMEABLE.GAS CYLINDERS:LEATHER

Eye Protection:CHEMICAL WORKERS GOGGLES .

Work Hygienic Practices:PREVENT CONTACT OF LIQ WITH SKIN.

Supplemental Safety and Health

SPEC GRAV:1.10,AIR=1 (GAS);1.14,WATER=1 (LIQUID).VAP DENS:0.08309  
(AIR=1).LIQ DENS:71.21 LBS/CUFT AT BP.FP:-361.8F,-218.8C.EFTS OF  
OVEREXP:ABNORM SENSATIONS,IMPAIRED COORDINATION,MUSC

TWITCHING,EPILEP TIC-LIKE SEIZURES.WASTE DISP METH:TO AIR PRODUSTS  
W/ RESIDUAL PRESSURE,VALVE TIGHTLY CLOSED & VALVE CAP IN PLACE.

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

Boiling Pt:B.P. Text:-297.3F  
Melt/Freeze Pt:M.P/F.P Text:N/K  
Decomp Temp:Decomp Text:N/K  
Vapor Density:SEE SUPP  
Spec Gravity:SEE SUPP DATA  
Evaporation Rate & Reference:N/K  
Solubility in Water:3.16% BY VOLUME  
Appearance and Odor:GASEOUS OXYGEN IS COLORLESS & ODORLESS.LIQUID  
OXYG  
EN IS PALE BLUE & ODORLESS.

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

Stability Indicator/Materials to Avoid:YES  
ALL FLAMMABLES,ESPECIALLY PETROLEUM PRODUCTS,ASPHALT,OTHER VOLATILE  
FLAMMABLES.  
Stability Condition to Avoid:MATLS THAT BURN IN AIR BURN VIOLENTLY  
INATMOS OF >25% OXYGEN.SOME MATLS BURN IN PURE OXYGEN THAT ARE  
NONFLAMM IN AIR.  
Hazardous Decomposition Products:N/K

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

Waste Dispos  
al Methods:EVAP LIQ IN A WELL-VENT OUTSIDE AREA.VENT GAS TO  
OUTSIDE.DISP SITE SHOULD BE AWAY FROM WORK AREAS,OPEN FLAMES IGNIT  
SOURCES & COMBUSTIBLES.FLUSH W/ H<sub>2</sub>O TO INCREASE EVAP RATE OF  
LIQ.DO NOT DISP OF RES IDUAL O<sub>2</sub> IN CYLINDERS.RETURN CYLINDERS(SEE  
SUPP)

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.