

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

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Product Identification  
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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 Pho

ne 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

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Composition/Information on Ingredients  
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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 TO

OLS. (SEE INGRED #3)  
RTECS #:9999999ZZ  
Other REC Limits:N/K  
OSHA 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

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Hazards Identification =====

LD50 LC50 Mixture:N/K

Reports 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

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First Aid Measures =====

First Aid:EYES/SKIN:IF CRYOGENIC LIQUID OR COLD BOIL-OFF GAS CONTACTS A  
WORKER'S SKIN OR EYES,FROZEN TISS

UES 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 COMBU  
STION OF FLAMMABLES.

Unusual Fire/Explosion Hazard:SOME MATERIALS 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 Precautions: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)

===== Exp  
posure Controls/Personal Protection =====

Respiratory Protection: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  
OXYGEN 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

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=== Disposal Considerations =====

Waste Disposal 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)

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