

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 Ph

one 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 T

OOLS. (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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entification =====

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 TIS

SUES 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 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)

===== Exposure 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

EFFECTS OF

OVEREXPOSURE: ABNORMAL SENSATIONS, IMPAIRED COORDINATION, MUSCLE TWITCHING, EPILEPTIC-LIKE SEIZURES. WASTE DISPOSAL METHOD: TO AIR PRODUCTS WITH RESIDUAL PRESSURE, VALVE TIGHTLY CLOSED & VALVE CAP IN PLACE.

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

Boiling Point: B.P. Text: -297.3F  
Melt/Freeze Point: M.P/F.P Text: N/K  
Decomposition Temp: Decomposition Text: N/K  
Vapor Density: SEE SUPPLEMENTARY DATA  
Specific Gravity: SEE SUPPLEMENTARY 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: MATERIALS THAT BURN IN AIR BURN VIOLENTLY IN ATMOSPHERES OF >25% OXYGEN. SOME MATERIALS BURN IN PURE OXYGEN THAT ARE NONFLAMMABLE IN AIR.  
Hazardous Decomposition Products: N/K

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

Waste Disposal Methods: EVAPORATE LIQUID IN A WELL-VENTILATED OUTSIDE AREA. VENT GAS TO OUTSIDE. DISPOSAL SITE SHOULD BE AWAY FROM WORK AREAS, OPEN FLAMES, IGNITION SOURCES & COMBUSTIBLES. FLUSH WITH H<sub>2</sub>O TO INCREASE EVAPORATION RATE OF LIQUID. DO NOT DISPOSE OF RESIDUAL O<sub>2</sub> IN CYLINDERS. RETURN CYLINDERS (SEE SUPPLEMENTARY DATA)

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