

LIQUID AIR CORP CALIFORNIA PLZ -- OXYGEN GAS (FOR STATION RETURNS ONLY)

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MSDS Safety Information
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FSC: 8120
NIIN: 00-181-7295
MSDS Date: 09/02/1991
MSDS Num: CGMTJ
Product ID: OXYGEN GAS (FOR STATION RETURNS ONLY)
MFN: 01
Responsible Party
Cage: 18260
Name: LIQUID AIR CORP CALIFORNIA PLZ
Address: 2121 N CALIFORNIA
BLVD
City: WALNUT CREEK CA 94596
Info Phone Number: 415-977-6500 / FAX 415-977-6747
Emergency Phone Number: 415-977-6500
Preparer's Name: CORPORATE SAFETY OFFICE
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 6D491
Name: BIG THREE INDUSTRIES INC (CANCELLED CAGE
Address: UNKNOWN
Box: UNKNOW
City: UNKNOWN NK 00000
Phone: UNKNOWN
Cage: 11243
Name: COSMODYNE LLC
Address: 2920 COLUMBI
A ST
City: TORRANCE CA 90503-3881
Phone: 310-320-5650
Cage: 18260
Name: LIQUID AIR CORP ONE CALIFORNIA PLAZA
Address: 2121 N. CALIFORNIA BLVD
City: WALNUT CREEK CA 94596
Phone: 415-977-6500

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Item Description Information
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Item Manager: S9G
Item Name: CYLINDER,COMPRESSED GAS,CALIBRATING GAS MIXTURE
Specification Number: RR-C-901 MIL-V-2/39
Type/Grade/Class: NONE
Unit of Issue: EA
UI Conta

Inner Qty: 1

Type of Container: CYLINDER

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Ingredients
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Cas: 7782-44-7

RTECS #: RS2060000

Name: OXYGEN

% Wt: 99-100

Other REC Limits: NONE SPECIFIED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED
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Health Hazards Data
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LD50 LC50 Mixture: ORAL LD50 (RAT) IS UNKNOWN

Route Of E

ntry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: INHALATION: HIGH CONCENTRATIONS CAUSES SYMPTOMS OF HYPEROXIA. SKIN AND EYES: CONTACT WITH LIQUID PRODUCT MAY CAUSE TISSUE FREEZING.

Explanation Of Carcinogenicity: NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Signs And Symptoms Of Overexposure: INHALATION: CRAMPS, NAUSEA, DIZZINESS, HYPOTHERMIA, AMBYLOPIA, RES

PIRATION DIFFICULTIES, BRADYCARDIA, FAINTING SPELLS AND CONVULSIONS CAPABLE OF LEADING TO DEATH.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: INHALATION: REMOVE TO FRESH AIR. ADMINISTER BREATHING SUPPORT MEASURES IF NECESSARY. PHYSICIAN SHOULD BE INFORMED THAT THE VICTIM COULD BE EXPERIENCING HYPEROXIA. SKIN: REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREAS WITH LUKEWARM WATER. DO NOT USE HOT WATER. EYES: DO NOT WASH THE EYES WITH HOT OR EVEN TE PID WATER. TAKE VICTIM TO AN OPHTHALMOLOGIST FOR TREATMENT AND FOLLOW UP.
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Handling and Disposal
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Spill Release Procedures: KEEP COMBUSTIBLES AWAY FROM SPILLED MATERIAL. DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. STOP LEAK IF YOU CAN DO IT WITHOUT RISK. ISOLATE AREA UNTIL GAS HAS DISPERSED.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DO NOT ATTEMP

TO DISPOSE OF WASTE OR UNUSED

QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH ANY VALVE
OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE TO ALPHAGAZ FO
R PROPER DISPOSAL.

Handling And Storage Precautions: USE ONLY IN WELL-VENTILATED AREAS. VALVE
PROTECTION CAPS MUST REMAIN IN PLACE UNLESS CONTAINER IS SECURED WITH VALVE
OUTLET PIPED TO USE POINT.

Other Precautions: DO NOT HEAT CYLINDER BY ANY MEANS TO INCREASE THE DISCHARGE
RATE OF PRODUCT FROM THE
CYLINDER. PROTECT CYLINDERS FROM PHYSICAL DAMAGE. DO
NOT ALLOW THE TEMPERATURE WHERE CYLINDERS ARE STORED TO EXCEED 130F.

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Fire and Explosion Hazard Information
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Extinguishing Media: COPIOUS QUANTITIES OF WATER FOR FIRES WITH OXYGEN AS THE
OXIDIZER. CAN USE DRY CHEMICAL OR CARBON DIOXIDE FOR SMALL FIRE

Fire Fighting Procedures: IF POSSIBLE, STOP THE FLOW OF OXYGEN WHICH IS
SUPPO

RTING THE FIRE AND MOVE CONTAINER FROM FIRE AREA. SPRAY COOLING WATER ON
CYLINDERS.

Unusual Fire/Explosion Hazard: HIGH PRESSURE OXIDIZING GAS. HIGH TEMPERATURES
OR FIRE MAY CAUSE EXPLOSIVE RUPTURE OF CYLINDER. VIGOROUSLY ACCELERATES
COMBUSTION (BURNING).

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Control Measures
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Respiratory Protection: NONE SPECIFIED BY MANUFACTURER.

Ventilation: USE LOCAL EXHAUST TO PREVENT ACCUMULATI
ON OF HIGH CONCENTRATIONS

THAT INCREASE THE OXYGEN LEVEL IN AIR TO MORE THAN 25%.

Protective Gloves: LOOSE FITTING AND INSULATED.

Eye Protection: SAFETY GOGGLES OR GLASSES & FACE SHIELD.

Other Protective Equipment: SAFETY SHOES, SAFETY SHOWER.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health: INFORMATION USEFUL FOR STATION RETURNS ONLY,
NSN IS FOR EMPTY CYLINDER. ASSOCIATED NSN FOR FILLED CYLINDER:
6830-00-077-1248.

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Physical/Chemical Properties
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HCC: G4

B.P. Text: -297F,-183C

M.P/F.P Text: -362F,-219C

Decomp Text: UNKNOWN

Vapor Pres: UNKNOWN

Vapor Density: 0.08LB/FT3

Spec Gravity: 1.11

Viscosity: UNKNOWN

Solubility in Water: SLIGHT

Appearance and Odor: COLORLESS, ODORLESS GAS.

Corrosion Rate: UNKNOWN

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Reactivity Data
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Stab

Stability Indicator: YES

Stability Condition To Avoid: HIGH TEMPERATURES

Materials To Avoid: THIS PRODUCT VIGOROUSLY ACCELERATES COMBUSTION.

Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.

Hazardous Polymerization Indicator: NO

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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Code: 18260

Trans ID NO: 54213

Product ID: OXYGEN GAS (FOR STATION RETURNS ONLY)

MSDS Prepared Date: 09/02/1991

Review Date: 04/28/1998

MFN: 1

Net Unit Weight: UNKNOWN

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: EA

Container QTY: 1

Type Of Container: CYLINDER

Additional Data: PSN IS PER MFR MSDS-TO BE USED ONLY FOR STATION RETURNS. NSN IS NORMALLY FOR CYLINDER ONLY. ASSOCIATED FILLED CYLINDER NSN IS:

830-00-077-1248.

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Detail DOT Information
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DOT PSN Code: LEH
DOT Proper Shipping Name: OXYGEN, COMPRESSED
Hazard Class: 2.2
UN ID Num: UN1072
Label: NONFLAMMABLE GAS, OXIDIZER
Special Provision: A52
Packaging Exception: 306
Non Bulk Pack: 302
Bulk Pack: 314,315
Max Qty Pass: 75 KG
Max Qty Cargo: 150 KG
Vessel Stow Req: A

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Detail IMO
Information
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IMO PSN Code: LBP
IMO Proper Shipping Name: OXYGEN, COMPRESSED
IMDG Page Number: 2169
UN Number: 1072
UN Hazard Class: 2(2.2)
IMO Packaging Group: -
Subsidiary Risk Label: OXIDIZING AGENT
EMS Number: 2-04
MED First Aid Guide NUM: NON

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Detail IATA Information
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IATA PSN Code: SWO
IATA UN ID Num: 1072
IATA Proper Shipping
Name: OXYGEN, COMPRESSED
IATA UN Class: 2.2
Subsidiary Risk Class: 5.1
IATA Label: NON-FLAMMABLE GAS & OXIDIZER
Packing Note Passenger: 200
Max Quant Pass: 75KG
Max Quant Cargo: 150KG
Packaging Note Cargo: 200

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Detail AFI Information
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AFI PSN Code: SWO
AFI Proper Shipping Name: OXYGEN, COMPRESSED
AFI Hazard Class: 2.2
AFI UN ID NUM: UN1072
AFI Label: 5.1
Special Provisions: P5
Back

HAZCOM Label

Product ID: OXYGEN GAS (FOR STATION RETURNS ONLY)

Cage: 18260

Company Name: LIQUID AIR CORP ONE CALIFORNIA PLAZA

Street: 2121 N. CALIFORNIA BLVD

City: WALNUT CREEK CA

Zipcode: 94596

Health Emergency Phone: 415-977-6500

Label Required IND: Y

Date Of Label Review: 04/28/1998

Status Code: C

Label Date: 04/28/1998

Origination Code: F

Eye Protection

IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Moderate

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: CONTACT WITH LIQUID MAY CAUSE FROSTBITE. TARGET ORGANS: NONE. CYLINDER MAY EXPLODE IN HEAT OF FIRE. USE ONLY IN WELL-VENTILATED AREAS. VALVE PROTECTION CAPS MUST REMAIN IN PLACE UNLESS CONTAINER IS SECURED WITH VALVE OUTLET PIPED TO USE POINT. FIRST AID: INHALATION: REMOVE TO FRESH AIR.

ADMINISTER BREATHING SUPPORT MEASURES IF NECESSARY. PHYSICIAN SHOULD BE INFORMED THAT THE VICTIM COULD BE EXPERIENCING HYPEROXIA. SKIN: REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREAS WITH LUKEWARM WATER. DO

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