View NSN Online: https://aerobasegroup.com/nsn/6505-00-132-5199

LIQUID AIR CORP ALPHAGAZ DIVIS -- OXYGEN GAS

MSDS Safety Information

FSC: 6505

NIIN: 00-132-5199 MSDS Date: 09/02/1991 MSDS Num: BNNCJ

Product ID: OXYGEN GAS

MFN: 01

Responsible Party Cage: 42568

Name: LIQUID AIR CORP ALPHAGAZ DIVISION

Address: 2121 N CALIFORNIA BLVD

City: WALNUT CREEK

CA 94596

Info Phone Number: 510-977-6500 / FAX 510-977-6747

Emergency Phone Number: 510-977-6500

Preparer's Name: CORPORATE SAFETY OFFICE

Review Ind: Y Published: Y

Contractor Summary

Cage: 17688

Name: AIR LIQUIDE AMERICA CORPORATION

Address: 2700 POST OAK DRIVE City: HOUSTON TX 77056-8229 Phone: 713-896-2896;800-231-1366

Cage: 42568

Name: LIQUID AIR CORP ALPHAGAZ DIVISION

Address: 21

21 N CALIFORNIA BLVD

City: WALNUT CREEK CA 94596

Phone: 510-977-6500

Cage: 81349

Name: MILITARY SPECIFICATIONS PROMULGATED BY MILITARY

Address: DEPTS/AGENCIES UNDER AUTH OF DEF STD

Box: MANUAL

City: 4120 3-M NK 00000

Phone: 804-279-4371 DSN 695-4371

Item Description Information

Item Manager: S9M

Item Name: OXYGEN, USP

Unit of Issue: EA UI Container Qty: 1

Type of Container: CYLINDER, TY

Н

Ingredients

Cas: 7782-44-7

RTECS #: RS2060000

Name: OXYGEN % Wt: 99-100

Other REC Limits: NONE SPECIFIED OSHA PEL: NOT ESTABLISHED ACGIH TLV: NOT ESTABLISHED

Health Hazards Data

LD50 LC50 Mixture: ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry 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.

Signs And Symptions Of Overexposure: INHALATION: CRAMPS, NAUSEA, DIZZINESS, HYPOTHERMIA, AMBYLOPIA, RESPIRATION 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 AN D FLUSH AFFECTED AREAS WITH LUKEWARM WATER. DO NOT USE HOT WATER. EYES: DO NOT WASH THE EYES WITH HOT OR EVEN TEPID WATER. TAKE VICTIM TO AN OPTHALMOLOGIST FOR TREATMENT AND FOLLOW UP.

Handling and Disposal

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.

Waste Disposal Methods: DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED QUANTATIES. 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.

Fire and Explosion Hazard Information

=====

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

SUPPORTING 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).

Control Measures

Respiratory Protection: NONE SPECIFIED BY MANUFACTURER.

Ventilation: USE LOCAL EXHAUST TO PREVENT ACCUMULATION OF HIGH CONCENTRATIONS

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

Protective Gloves: LOOSE FITTING AND INSULATED.

Eve Protection: SAFETY GOGGLES OR GLASSES & FACE SHIELD.

Other Protective Equipment: SAFETY SH

OES, SAFETY SHOWER.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health: WARNING FOR MEDICAL OXYGEN: FOR OXYGEN DEFICIENCY IN BREATHING PERSONS OR EMERGENCY RESUSCITATION WHEN USED BY PERSONNEL INSTRUCTED IN OXYGEN ADMINISTRATION. FOR OTHER USES, USE ONLY AS DIRECTED BY A LICENSED PRACTIONER. USE ONLY WITH PRESSUREREDUCING EQUIPMENT

AND APPARATUS DESIGNED FOR OXYGEN.

Physical/Chemical Properties

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

Solubility in Water: SLIGHT

Appearance and Odor: COLORLESS, ODORLESS GAS.

Corrosion Rate: UNKNOWN

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: HIGH TEMPERATURES

Materials To Avoid: THIS PRODUCT VIGOROUSLY ACCELERATES CONBUSTION. Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER. Hazardous Polymerization Indicator: NO ______ **Toxicological Information** _____ -----**Ecological Information** ______ **MSDS** Transport Information ______ ______ Regulatory Information ______ _____ Other Information _____ Transportation Information _____ Respo nsible Party Cage: 42568 Trans ID NO: 49265 Product ID: OXYGEN GAS MSDS Prepared Date: 09/02/1991 Review Date: 08/11/1992 MFN: 1 Net Unit Weight: 133.0 LB Multiple KIT Number: 0 Review IND: Y Unit Of Issue: EA Container QTY: 1 Type Of Container: CYLINDER, TY H _____ **Detail DOT Information** _____ 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

Detail IMO Information

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

Detail IATA Information

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 & amp; OXIDIZER

Packing Note Passenger: 200 Max Quant Pass: 75KG Max Quant Cargo: 150KG Packaging Note Cargo: 200

=========

Detail AFI Information

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 Pack Reference: A6.3, A6.6

HAZCOM Label

Product ID: OXYGEN GAS

Cage: 42568

Company Name: LIQUID AIR CORP ALPHAGAZ DIVISION

Street: 2121 N CALIF

ORNIA BLVD

City: WALNUT CREEK CA

Zipcode: 94596

Health Emergency Phone: 800-231-1366(800-424-9300 CHEMTREC)

Label Required IND: Y

Date Of Label Review: 08/11/1992

Status Code: C

Label Date: 08/11/1992 Year Procured: 1991 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. C

YLINDER 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 OUTL ET 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. SKI N: 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 TEPID WATER. TAKE VICTIM TO AN OPTHALMOLOGIST FOR TREATM ENT AND FOLLOW UP.

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, states, or intends said information to have any application, use or viability by or to any person or per

sons outside the Department of Defense

nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Departm

ent of Defense or other government situation.