

LIQUID OXYGEN

MSDS Number

BHDWC

National Stock Number

6830-00-781-8194

Product Name

LIQUID OXYGEN

Manufacturer

LIOUID AIR CORP

Product Identification

Product ID:LIQUID OXYGEN MSDS Date: 10/01/1985 FSC:6830 NIIN:00-781-8194 MSDS Number: BHDWC

Responsible Party

LIQUID AIR CORPORATION

2121 N. CALIFORNIA BLVD., SUITE 350

WALNUT CREEK, CA 94596

US

Emergency Phone: 800-434-9300 OR NIGHT 800-231-1366

Info Phone: 415-977-6500

Cage: DO426 Contractor

LIQUID AIR CORPORATION

WALNUT CREEK, CA 94596

US

510-977-6500 Cage: DO426 **Ingredients**

LIQUID OXYGEN

CAS: 7782-44-7 RTECS: RS2060000

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO Health Hazards Acute and Chronic: THE PROPERTY IS THAT OF HYPEROXIA

WHICH LEADS TO PHEUMONIA.CONCENTRATION BETWEEN25 & 75 MOLAR PERCENT PRESENT RISK OF INFLAMMATION OF ORGANIC MATTER IN THE BODYFROSTBITE

EFFECTS ARE A CHANGE IN COLOR OF THE SKIN TO GRAY OR WHITE

POSSIBLYFOLLOWED BY BLISTERING.

Effects of Overexposure: BREATHING HIGH CONCENTRATIONS OF LIQ OXY CAUSES SYMPTOMS OF HYPEROXIA WHICH

INCLCRAMPS, NAUSEA, DIZZINESS, HYPOTHERMIA, AMBYLOPIA, RESPIRATORY DIFFICULTIES, BRADYCARDFAINTING SPELLS & CONVULSIONS CAPABLE OF LEADING TO DEATH.SEE L'AIR LIQUIDE'SENCY. DES GAZ. CONTACT WITH CRYOGENIC LIQ CAN CAUSE TISSUE FREEZING OR FROSTBITE

Medical Cond Aggravated by Exposure: BREATHING HIGH CONCENTRATIONS



CAUSES SYMPTOMS OF HYPEROXIA. CONTACT WITH CRYOGENIC LIQUID CAN CAUSETISSUE FREEZING OR FROSTBITE.

First Aid

First Aid: RESCUE PEOPLE SHOULD BE COGNIZANT OF EXTREME FIRE HAZARD ASSOC. WITH OXYGEN-RICHATMOSPHERES. PERSON SHOULD BE MOVED TO UNCONTAMINATED AREA & BREATH FRESH AIR. KEEP WARM & QUIET. IF PERSON IS UNCONSCI OUS, GIVE CPR, WHEN BREATHING IS RESTOREDCONT. AS ABOVE. PROMPT MEDICAL/PHYSICIAN ATTENTION IS MANDATORY. FOR FROSTBITE, FLUSH AFFECTED AREAS WITH LUKEWARM WATER. DO NOT USE HOT WATER.

Fire Fighting

Extinguishing Media: COPIOUS QUANTITIES OF ATR FOR FIRS WITH OXYGEN AS THE OXYDIZER.

Fire Fighting Procedures: IF POSSIBLE, STOP THE FLOW OF OXYGEN WHICH IS SUPPORTING THE FIRE.

Unusual Fire/Explosion Hazard: VIGOROUSLY ACCELERATES COMBUSTION.

Accidental Release

Spill Release Procedures: IF THERE IS A MALFUNCTION OR OPERATIONSL PROBLEM WITH VESSEL, CONTACT MANUFACTURER IMMEDIATELY. NOSMOKING OR OPEN FLAME SHOULD BE ALLOWED NEAR THESEVESSELS. CYLINDERS MUST ALWAYS BE KEPT IN UPRIGHT POSITION. USE ONLY IN WELL-VENTILATED AREAS.

Handling

Handling and Storage Precautions: CYLINDERS SHOULD BE STORED AWAY FROM OTHER FLAMMABPRODUCTS. CYLIND. MUST BE KEPT IN UPRIGHT POSITIONUSE IN WELLVENTILATED AREAS.SEE CGA PAMP G4,P12,14 Other Precautions: EQUIPMENT TO CONTAIN LIQUID OXYGEN MUST BE "CLEANED FOR OXYGEN SERVICE". SEE CGAPAMPHLET G-4.1. LIQUEFIED GAS CYLINDERS SHOULD NOT BE REFILLED EXCEPT BY QUALIFIED PRODUCERS OF PRODUCT.

Exposure Controls

Ventilation: TO PREVENT ACCUMULATION ABOVE 25 MOLAR PERCENT

Protective Gloves:LOOSE FITTING, INSULATED

Eye Protection: SAFETY GOGGLES/GLASSES PLUS FACE SHIELD Other Protective Equipment: SAFETY SHOES, SAFETY SHOWER

Supplemental Safety and Health

OXYGEN VIGOROUSLY ACCELERATES COMBUSTION. CONTACT WITH ALL FLAMMABLE MATERIALS SHOULD BE AVOIDED. SOME MATERIALS WHICH ARE NOT FLAMMABLE IN AIR WILL BURN IN PURE OXYGEN OR OXYGEN-ENRICHED ATMOSPHER ES. DO NOT ALLOW LIO OXY TO LEAK, DRIPOR SPILL ONTO HYDROCARBON-BASED PAVING OR ONTO PLASTIC-BASE/FLAMMABLE FLOORING.

Chemical Properties

Boiling Pt:B.P. Text:-297F/-182C

Vapor Pres:*SEE BELOW

Solubility in Water:68F/20C BUNSEN=.0310

Appearance and Odor: CLEAR, PALE BLUE, ODORLESS LIQUID

Stability

Stability Indicator/Materials to Avoid:YES ALL FLAMMABLE MATERIALS Hazardous Decomposition Products: NONE

Disposal

Waste Disposal Methods: NOT LOCATED ON MSDS

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