

OXYGEN,LOX(LIQUID ONLY),GOX(GAS ONLY)

MSDS Number

BHDMY

National Stock Number

6830-00-531-8095

Product Name

OXYGEN,LOX(LIQUID ONLY),GOX(GAS ONLY)

Manufacturer

AIR PRODUCTS AND CHEMICALS INC

Product Identification

Product ID:OXYGEN,LOX(LIQUID ONLY),GOX(GAS ONLY)

MSDS Date:11/18/1987

FSC:6830

NIIN:00-531-8095

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Responsible Party

AIR PRODUCTS AND CHEMICALS, INC.

2043 S 35TH ST

TACOMA , WA 98411-0393

US

Cage: 00742

Contractor

OXYGEN SALES AND SERVICE INC

11393

TACOMA, WA 98411-0393

US

800-345-3148/ 800-752-1597

Cage: 5H199

Ingredients

OXYGEN, COMPRESSED

CAS: 7782-44-7

RTECS: RS2060000

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:OXYGEN IS NONTOXIC UNDER USUAL CONDITIONS OF USE.BREATHING PURE OXYGEN AT ONE

ATMOSPHERE,HOWEVER,MAY PRODUCE COUGH & CHEST PAINS W/IN 8-24 HRS.CONCENTRATIONS OF60% MAY PRODUCE THESE SYMPTOMS IN SEVERA L DAYS.AT TWO ATMOSPHERES SYMPTOMS OCCURIN 2-3 HRS.

Effects of Overexposure:OXYGEN IS NONTOXIC UNDER MOST CONDITIONS OF USE.& IS NECESSARY TO SUPPORT LIFE. LIQUID OXYGEN OR COLD GAS WILL FREEZE TISSUES & CAN CAUSE SEVERE CRYOGENIC BURNS

First Aid

First Aid:IF CRYOGENIC LIQ OR COLD BOIL-OFF GAS CONTACTS A WORKER'S SKIN OR EYES,FROZEN TISSUES SHOULD BE FLOODED OR SOAKED W/TEPID WTR.DO NOT USE HOT WTR.BURNS RESULTINGIN BLISTERING OR DEEPER

TISSUE FREEZING SHOULD BE SEEN PROMPTLY BY A PHYSICIAN.

Fire Fighting

Flash Point:NA
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:NA
Fire Fighting Procedures:TO FIGHT FIRES, SHUT OFF SOURCES OF OXYGEN & FIGHT LIKE CONVENTIONAL FIRE.
Unusual Fire/Explosion Hazard:OXYGEN IS NONFLAMMABLE,BUT SUPPORTS & VIGOROUSLY ACCELERATES COMBUSTION OF FLAMMABLES.SOME MATERIALS WHICH ARE NONCOMBUSTIBLE IN AIR WILL BURN IN PRS OF OXYGEN.

Accidental Release

Spill Release Procedures:PREVENT LIQ OXYGEN FROM CONTACTING GREASE,OIL,ASPHALT OR COMBUSTIBLES.VENTILATE AREA TO EVAPORATE & DISPERSE OXYGEN.FLUSH AREA W/LARGE QTYS OF WTR.DO NOT ENTER AREAS OF HIGH OXYGEN CONCENTRATION,WHICH CAN SATURATE CLOTHING & INCREASE IT FLAMMABILITY.

Handling

Handling and Storage Precautions:USE ONLY IN WELL-VENTILATED AREA.DO NOT DRAG,ROLL OR SLIDE CYLS.USE SUITABLE HAND TRUCK.KEEP CYLS AWAY FROM HEAT.SEGREGATE FULL/EMPTY CYLS.
Other Precautions:OXY IS NOT TO BE USED AS A SUBSTITUTE FOR COMPRESSED AIR.APPLICATIONS SUCH AS CLEANING,DUSTING,POWERING PNEUMATIC TOOLS,ETC.,ARE NOT SAFE DUE TO LUBRICATING OILS & OTHER MATERIALS PRESENT.USE ONLY W/E QUIP SPECIFICALLY DESIGNED & CLEANED OXY

Exposure Controls

Respiratory Protection:NA
Ventilation:PREVENT ACCUMULATION W/NATURAL OR FORCED AIR.
Protective Gloves:LOOSE-FITTING GLOVES LEATHER
Eye Protection:CHEMICAL GOGGLES/SAFETY GLASSES
Other Protective Equipment:NA
Supplemental Safety and Health
NK

Chemical Properties

Boiling Pt:B.P. Text:-297.3F
Vapor Pres:NA
Vapor Density:@68F 20C
Spec Gravity:@68F 20C
Solubility in Water:@77F 25C
Appearance and Odor:GASEOUS OXYGEN IS COLORLESS & ODORLESS.LIQ OXYGEN IS PALE BLUE & ODORLESS.

Stability

Stability Indicator/Materials to Avoid:YES
ALL FLAMMABLES, ESPECIALLY PETROLEUM PRODUCTS, ASPHALT,OTHERVOLATILE FLAMMABLES.
Stability Condition to Avoid:MAATERIALS WHICH BURN IN AIR WILL BURN VIOLENTLY IN ATMOSPHERE RICHER THAN APPROX 25% OXYGEN.
Hazardous Decomposition Products:NONE

Disposal

Waste Disposal Methods:ALLLOW LIQ OXY TO EVAPORATE IN A WELL VENTILATED OUTDOOR AREA.VENT OXY GAS TO OUTSIDE LOCATION.DISPOSAL SITE SHOULD BE REMOTE FROM WORK AREA,OPEN FLAMES OR SOURCES OF IGNITION & COMBUSTIBLES.FLUSHING W/WTR WILL INCREASE VAPORIZATION RATE OF LIQUID.

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