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OXYGEN LOX(LIQUID ONLY) GOX(GAS ONLY)

MSDS Number

BHDJT

National Stock Number

6830-00-291-5008

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:00-291-5008
MSDS Number: BHDJT

Responsible Party

AIR PRODUCTS AND CHEMICALS, INC.

2043 S 35TH ST

ALLENTOWN , PA 18195

US

Emergency Phone: 1-800-322-9092

Info Phone: 215-481-8257

Cage: 00742

Contractor

OXYGEN SALES AND SERVICE INC

11393

TACOMA, WA 98411-0393

US

800-345-3148/ 800-752-1597

Cage: 5H199

Ingredients

OXYGEN

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 OXY AT ONE ATMOSPHERE,HOWEVER,MAU PRODUCE COUGH & CHEST PAINS W/IN 8-24 HRS.CONCENTRATIONS OF 60% MAY PRODUCE THESE SYMPTOMS IN SEVERAL DAYS.AT TWO ATMOSPHERES SYMPTOMS OCCUR IN 2-3 HRS.
Effects of Overexposure:LIQ OXYGEN OR COLD GAS WILL FREEZE TISSUES & CAN CAUSE SEVERE CRYOGENIC BURNS.PARTIAL PRESSURE OF OXY IN EXCESS OF TWO ATMOSPHERES MAY PRODUCE CENTRAL NERVOUS SYSTEM MANIFESTATIONS INCLUDING TINGLING FINGERS & TOES,VISUAL & HEARING DISTURBANCES,ABNORMAL SENSATIONS,IMPAIRED

COORDINATION,CONFUSION,MUSCLE TWITCHING.

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 WHICH RESULT IN BLISTERING OR DEEPER TISSUE FREEZ ING SHOULD BE SEEN PROMPTLY BY A PHYSICIAN.

Fire Fighting

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

Accidental Release

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

Handling

Handling and Storage Precautions:USE IN WELL VENTILATED AREA.DO NOT DRAG,ROLL OR SLIDE CYLS.USE SUITABLE HAND TRUCK.KEEP CYLS AWAY FROM HEAT.SEGREGATE FULL/EMPTY CYLINDERS.
Other Precautions:OXYGEN IS NOT TO BE USE 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 /EQUIP DESIGNED & CLEANED FOR OXY SERV.

Exposure Controls

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

Chemical Properties

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

Stability

Stability Indicator/Materials to Avoid:YES
ALL FLAMMABLES, EXPECIALLY PETROLEUM PRODUCTS,ASPHALT,OTHER VOLATILE FLAMMABLES.
Stability Condition to Avoid:MATERIALS WHICH BURN VIOLENTLY IN ATMSPR RICHER THAN APRX25%OXY.SOME MTRLS BURN IN PURE OXY THAT ARE NONFLAMMABLE IN AIR
Hazardous Decomposition Products:NONE

Disposal

Waste Disposal Methods:ALLOW LIQ OXY TO EVAPORATE IN WELL VENTILATED OUTDOOR AREA.VENT OXY GAS TO OUTSIDE LOCATION.DISPOSALSITE SHOULD BE REMOTE FROM WORK AREA,OPEN FLAMES OR SOURCE OF IGNITION

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&COMBUSTIBLES.FLUSHING W/WTR WILL INCREASE THE VAPORIZATION RATE OF THE LIQUID.

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