

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

MSDS Number

BHDNS

National Stock Number

6830-00-577-4228

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:00-577-4228

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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 MOST CONDITIONS OF USE.BREATHING PURE OXYGEN AT ONE

ATMOSPHERE,HOWEVER,MAY PRODUCE COUGH & CHEST PAINS W/IN 8-24

HRS.CONCENTRATIONS OF 60% MAY PRODUCE THESE SYMPTOMS IN SEVERA L

DAYS.AT TWO ATMOSPHERES SYMPTOMS MAY OCCUR IN 2-3 HOURS.

Effects of Overexposure:LIQUID OXYGEN OR COLD GAS WILL FREEZE TISSUES &

CAN CAUSE SEVERE CRYOGENIC BURNS.PARTIAL PRESSURE OF OXYGEN IN

EXCESS OF TWO ATMOSPHERES MAY PRODUCE A VARIETY OF CENTRAL NERVOUS

SYSTEM MANIFESTATIONS TINGLING TOES& FINGERS,VISUAL &

HEARINGDISTURBANCE,ABNORMAL SENSATIONS,IMPAIRED

COORDINATION,CONFUSION,MUSCLE TWITCHING

First Aid

First Aid:IF CRYOGENIC LIQUID OR COLD BOIL-OFF GAS CONTACT'S 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 FREE ZING 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 AND FIGHT LIKE CONVENTIONAL FIRE
Unusual Fire/Explosion Hazard:SOME MATERIALS WHICH ARE NONCOMBUSTIBLE IN AIR WILL BURN IN THE PRESENCE OF OXYGEN.

Accidental Release

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

Handling

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED AREA.AVOID DRAGGING,ROLLING,OR SLIDING CYLS.USE A SUITABLE HAND TRUCK.SEGREGATE FULL/EMPTY CYLS.
Other Precautions:OXYGEN 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.

Exposure Controls

Respiratory Protection:NA
Ventilation:PREVENT ACCUMULATION W/NATURAL OR FORCED AIR.
Protective Gloves:LOOSE FITTING GLOVES IMPERMEABLE
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.LIQUID OXYGEN IS PALE BLUE & ODORLESS.

Stability

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

Disposal

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

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