

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

MSDS Number

BBFQV

National Stock Number

9135-00-965-2527

Product Name

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

Manufacturer

AIR PRODUCTS CHEMICALS INC

Product Identification

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

MSDS Date:07/10/1986

FSC:9135

NIIN:00-965-2527

MSDS Number: BBFQV

Responsible Party

AIR PRODUCTS/CHEMICALS, INC.

1919 VULTEE ST

ALLENTOWN , PA 18105

US

Emergency Phone: (800) 523-9374

Info Phone: (800) 523-9374

Cage: 00742

Contractor

AIR PRODUCTS AND CHEMICALS INC

ALLENTOWN, PA 18195-1501

US

800-345-3148/ 800-752-1597

Cage: 00742

Ingredients

OXYGEN (GAS)

CAS: 7782-44-7

RTECS: RS2060000

Fraction By Weight: 100%

Hazards

Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES

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

Health Hazards Acute and Chronic:INGESTION: COUGH, CHEST PAINS, IMPAIRED COORDINATION, CONFUSION, ABNORMAL SENSATIONS, SEIZURES RESEMBLING THOSE OF EPILEPSY. INFANTS EXPOSED TO OXYGEN LEVELS IN EXCESS OF 35-40% MAY SUFFER PERMANENT V ISUAL IMPAIRMENT OR BLINDNESS DUE TO RETROLENTAL FIBROPLASIA.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:LIQUID OXYGEN OR COLD GAS WILL FREEZE TISSUES & CAN CAUSE SEVERE CRYOGENIC BURNS.

First Aid

First Aid:FROZEN TISSUES SHOULD BE FLOODED OR SOAKED IN TEPID WATER (105-115F; 41-46C). DON'T USE HOT WATER. BURNS WHICH RESULT IN BLISTERING OR DEEPER TISSUE FREEZING SHOULD BE SEEN PROMPTLY BY A PHYSICIAN.

Fire Fighting

Fire Fighting Procedures:OXYGEN VIGOROUSLY SUPPORTS COMBUSTION OF FLAMMABLES. 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 OXYGEN.

Accidental Release

Spill Release Procedures:PREVENT LIQUID FROM CONTACTING GREASE, OIL, ASPHALT OR COMBUSTIBLES. VENTILATE AREA TO EVAPORATE/DISPERSE OXYGEN. FLUSH AREA W/LARGE QUANTITIES OF WATER. DON'T ENTER AREAS OF HIGH OXYGEN CONCENTRATION S. AVOID SMOKING/IGNITION.

Handling

Handling and Storage Precautions:PREVENT CONTACT OF LIQUID W/SKIN. USE ONLY IN WELL-VENTILATED AREAS. PREVENT ENTRAPMENT OF LIQUID IN CLOSED SYSTEMS. USE CHECK VALVE.

Other Precautions:STORE LIQUID CONTAINERS/CYLINDERS IN WELL VENTILATED AREAS. DON'T STORE CYLINDERS OF OXYGEN WITHING 20 FT OF FLAMMABLE OR COMBUSTIBLE MATERIALS, ESPECIALLY OIL OR GREASE. KEEP CYLINDERS AWAY SOURCE OF HEAT.

Exposure Controls

Respiratory Protection:VENTS SHOULD BE SITUATED TO AVOID HIGHER THAN NORMAL CONCENTRATION OF OXYGEN IN WORK AREAS.

Ventilation:PREVENT ACCUMULATION WITH NATURAL OR FORCED AIR.

Protective Gloves:LEATHER

Eye Protection:CHEMICAL SAFETY GLASSES, GOGGLES

Supplemental Safety and Health

Chemical Properties

Boiling Pt:B.P. Text:-297.3F

Melt/Freeze Pt:M.P/F.P Text:-361.8F

Vapor Density:0.08309

Spec Gravity:1.10

Solubility in Water:3.16%

Appearance and Odor:GASEOUS OXYGEN IS COLORLESS/ODORLESS. LIQUID OXYGEN IS PALE BLUE/ODORLESS.

Stability

Stability Indicator/Materials to Avoid:YES

PETROLEUM PRODUCTS, ASPHALT, OTHER VOLATILE FLAMMABLES.

Stability Condition to Avoid:SOME MATERIALS WHICH ARE NONFLAMMABLE IN AIR BURN IN PURE OXYGEN. OPEN FLAMES, SOURCES OF IGNITION, HEAT.

Disposal

Waste Disposal Methods:ALLOW LIQUID TO EVAPORATE IN WELL-VENTILATED OUTDOOR AREA. VENT OXYGEN GAS TO OUTSIDE LOCATION. DISPOSAL SITE SHOULD BE REMOTE FROM WORK AREAS, OPEN FLAMES/SOURCES OF IGNITION. DON'T ATTEMPT TO DISPOS E OF RESIDUAL OXYGEN IN COMPRESSED GAS CYLINDERS.

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