

OXYGEN

MSDS Number

BHDHY

National Stock Number

6830-00-290-4290

Product Name

OXYGEN

Manufacturer

SUNOX INCORPORATED

Product Identification

Product ID:OXYGEN

MSDS Date:04/08/1986

FSC:6830

NIIN:00-290-4290

MSDS Number: BHDHY

Responsible Party

SUNOX INCORPORATED

4236 STATESVILLE ROAD

CHARLOTTE , NC 28233

US

Emergency Phone: 803-324-4180

Info Phone: 704-596-6262

Cage: SUNOX

Contractor

SUNOX INCORPORATED

33871

CHARLOTTE, NC 28233

US

704-596-6262

Cage: SUNOX

Ingredients

OXYGEN

CAS: 7782-44-7

RTECS: RS2060000

Hazards

Routes of Entry: Inhalation:YES Skin:NO 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 PNEUMONIA. CONCENTRATIONS BETWEEN 25 AND 75 MOLAR PERCENT PRESENT A RISK OF INFLAMMATION OF ORGANIC MATTERIN THE BODY.

Effects of Overexposure:BREATHING HIGH CONCENTRATIONS CAUSES SYMPTOMS OF HYPEROXIA WHICH INCLUDE CRAMPS,NAUSEA, DIZZINESS, HYPOTHERMIA, AMBYLOPIA, RESPIRATORY DIFFICULTIES, BRADYCARDIAFAINTING SPELLS AND CONVULSIONS CAPABLE OF LEADING TO DEATH.

First Aid

First Aid: PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO OXYGEN. RESCUERS SHOULD BE COGNIZANT OF EXTREME FIRE HAZARD ASSOC. WITH OXYGEN-RICH ATMOS. CONSCIOUS PERSON SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA AND BREATHE FRESH AIR. KEEP WARM AND QUIET. UNCONSCIOUS PERSON SHOULD BE MOVED TO UNCONTAMINATED AREA AND GIVEN CPR. WHEN BREATHING IS RESTORED, TREAT AS ABOVE.

Fire Fighting

Extinguishing Media: COPIOUS QUANTITIES OF WATER FOR FIRES 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: EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIP. IF LEAK IS IN USER'S EQUIP, BE CERTAIN TO PURGE PIPING WITH AN INERT GAS PRIOR TO ATTEMPTING REPAIRS. IF LEAK IS IN CONTAIN VALVE, CONTACT CLOSEST SUNOX LOCATION.

Handling

Handling and Storage Precautions: USE/STORE IN COOL, DRY, WELL-VENTILATED AREA. CYLINDER SHOULD BE STORED UPRIGHT & FIRMLY SECURED. SEGREGATE FULL/EMPTY CYL. STORAGE TEMP NOT TO EXCEED 130F/54C
Other Precautions: OXY SHOULD NOT BE USED AS SUB FOR COMPRESSED AIR. EQUIP TO CONTAIN OXYGEN MUST BE "CLEANED FOR OXYGEN SERVICE". SEE CGA PAMP G-4.1. COMPRESSED GAS CYLINDERS SHOULD NOT BE REFILLED EXCEPT BY QUALIFIED PRODUCERS OF COMPRESSED GASES.

Exposure Controls

Ventilation: TO PREVENT ACCUMULATION ABOVE 25 MOLAR PERCENT

Protective Gloves: AS REQUIRED; ANY MATERIAL

Eye Protection: SAFETY GOGGLES OR GLASSES

Other Protective Equipment: SAFETY SHOES, SAFETY SHOWER

Supplemental Safety and Health

NK

Chemical Properties

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

Vapor Pres: *SEE BELOW

Vapor Density: *SEE BELOW

Spec Gravity: 70FAIR=1) IS 1.11

Solubility in Water: 68F 20CBUNSEN COEF. 0.31

Appearance and Odor: COLORLESS, ODORLESS AND TASTELESS GAS.

Stability

Stability Indicator/Materials to Avoid: YES

ALL FLAMMABLE MATERIALS

Stability Condition to Avoid: NK *VAPOR PRESSURE: @70F (21.1C) ABOVE THE CRITICAL TEMP. OF -181F (-118C)

Hazardous Decomposition Products: NK *VAP DENS: .0828 LB/FT³ (1.326 KG/M³)

Disposal

Waste Disposal Methods: DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED QUANTITIES. RETURN SHIPPING CONTAINER, PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURE AND VALVE PROTECTION CAP IN PLACE, TO SUNOX FOR PROPER DISPOSAL. FOR EMERG DISPOSAL CONTACT SUNOX.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and

assume responsibility for the suitability of this information to their particular situation.