

SUNOX INCORPORATED -- OXYGEN -- 6830-00-290-4290

===== Product Identification =====

Product ID:OXYGEN
MSDS Date:04/08/1986
FSC:6830
NIIN:00-290-4290
MSDS Number: BHDHY
=== Responsible Party ===
Company Name:SUNOX INCORPORATED
Address:4236 STATESVILLE ROAD
Box:33871
City:CHARLOTTE
State:NC
ZIP:28233
Country:US
Info Phone Num:704-596-6262
Emergency Phone Num:803-324-4180
CAGE:SUNOX
=== Contractor I
dentification ===
Company Name:SUNOX INCORPORATED
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Phone:704-596-6262
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===== Composition/Information on Ingredients =====

Ingred Name:OXYGEN
CAS:7782-44-7
RTECS #:RS2060000

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:T

THE PROPERTY IS THAT OF HYPEROXIA WHICH LEADS TO PNEUMONIA. CONCENTRATIONS BETWEEN 25 AND 75 MOLAR PERCENT PRESENT A RISK OF INFLAMMATION OF ORGANIC MATTER IN THE BODY.

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

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===== First Aid Measures =====
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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.

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===== Fire Fighting Measures =====
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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.

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===== Accidental Release Measures =====
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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 CONTAINMENT VALVE, CONTACT CLOSEST SUNOX LOCATION.

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===== Handling and Storage =====
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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"

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CGA PAMP G-4.1. COMPRESSED GAS CYLINDERS SHOULD NOT BE REFILLED EXCEPT BY QUALIFIED PRODUCERS OF COMPRESSED GASES.

===== Exposure Controls/Personal Protection =====

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

===== Physical/Chemical Properties =====

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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 and Reactivity Data =====

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 *V
AP DENS: .0828 LB/FT³ (1.326
KG/M³)

===== Disposal Considerations =====

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.

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