

UNION CARBIDE CORPORATION -- OXYGEN -- 6830-00-291-5008

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

Product ID:OXYGEN

MSDS Date:09/01/1985

FSC:6830

NIIN:00-291-5008

MSDS Number: BHDJS

=== Responsible Party ===

Company Name:UNION CARBIDE CORPORATION

Address:39 OLD RIDGEBURY ROAD

Box:NA

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:ROUTINE INFO CONTACT LOCAL SUPPLIER

Emergency Phone Num:1-80

0-822-4357 CANADA 514-640-6400

CAGE:36346

=== Contractor Identification ===

Company Name:HAMPTON ROADS SUPPLY UNION CARBIDE LINDE DIVISION

Address:3450 VIRGINIA BEACH BLVD

Box:12567

City:NORFOLK

State:VA

ZIP:23502-3123

Country:US

CAGE:7D711

Company Name:UNION CARBIDE CORP LINDE DIV

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:800-822-4357; 304-744-3487

CAGE:36346

===== Composition/Information on Ingredients =====

Ingred Name:OXYGEN

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AS:7782-44-7  
RTECS #:RS2060000  
Fraction by Wt: 100%

===== 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:BREATHING OXYGEN UNDER PRESSURE MAY CAUSE PROLONGATION OF ADAPTATION TO DARKNESS AND REDUCED PERIPHERAL VISION.

Effects of Overexposure:SYMPTOMS INCLUDE NASAL STUFFINESS, COUGH, SORE THROAT, CHEST PAIN AND BREATHING DIFFICULT  
Y. BREATHING PURE OXYGEN UNDER PRESSURE MAY CAUSE LUNG DAMAGE AND ALSO CENTRAL NERVOUS SYSTEM EFFECTS RESULTING IN DIZZINESS, POOR COORDINATION, TINGLING SENSATION, VISUAL & HEARING DISTURBANCE, MUSCULAR TWITCHING, UNCONSCIOUSNESS, CONVUL

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NOT BREATHING. KEEP VICTIM WARM AND AT REST. CALL A PHYSICIAN.

===== Fire Fighting Measures =====  
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Extinguishing Media:VIGOROUSLY ACCELERATES COMBUSTION. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. WATER IS PREFERRED FOR CLOTHES FIRE.

Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. IMMEDIATELY COOL CONTAINERS WITH WATER SPRAY FROM MAXIMUM DISTANCE UNTIL COOL, THEN MOVE CONTAINERS FROM FIRE AREA.

Unusual Fire/Explosion Hazard:OXIDIZING AGENT, VIGOROUSLY ACCELERATES COMBUSTION. CONTACT WITH FLAMMABLE MATERIALS MAY CAUSE FIRE OR EXPLOSION.  
CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE.

===== Accidental Release Measures =====

Spill Release Procedures:SHUT OFF LEAK IF W/O RISK. VENTILATE AREA OF LEAK OR MOVE LEAKING CONTAINER TO WELL-VENTILATED AREA. REMOVE ALL FLAMMABLE MATERIALS FROM VICINITY. OXY MUST NEVER BE PERMITTED TO STRIKE AN OILY SURFACE, GREASY CLOTHES, OR OTHER COMBUSTIBLE MATERIAL.

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

Handling and Storage Precaut

ions:NEVER WORK ON A PRESSURIZED SYSTEM. IF

THERE IS A LEAK, CLOSE THE CYLINDER VALVE, BLOW DOWN THE SYS.BY VENTING TO A SAFE PLACE, THEN REPAIR THE LEAK.

Other Precautions:NEVER LUBRICATE OXYGEN VALVES, REGULATORS, ETC., WITH ANY COMBUSTIBLE SUBSTANCE.USE A CHECK VALVE OR OTHER PROTECTIVE APPARATUS IN ANY LINE OF PIPING FROM THE CYLINDER TO PREVENT REVERSE FLOW.

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

Protective Gloves:PREFERRED FOR CYLINDER HANDLING

Eye Protection:SELECT IN ACCORDANCE W/OSHA29CFR1910.133

Other Protective Equipment:METATARSAL SHOES FOR CYLINDER HANDLING.

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:-183C/-297F

Vapor Pres:GAS

Vapor Density:1.105 @25C

Spec Gravity:GAS

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS, ODORLESS GAS AT NORMAL TEMPERATURE AND PRESSURE.

Percent Volatiles by Volume:100

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

COMBUSTIBLE MATERIALS, ASPHALT, FLAMMABLE MATERIALS, ESPECIALLY OILS AND GREASES.

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

Waste Disposal Methods:SLOWLY RELEASE INTO ATMOSPHERE, IN AN OPEN, OUTDOORS AREA. REMOVE ALL FLAMMABLE MATERIALS FROM VICINITY.

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