

UNION CARBIDE CORPORATION -- OXYGEN -- 6830-00-169-0805

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

Product ID:OXYGEN

MSDS Date:09/01/1985

FSC:6830

NIIN:00-169-0805

MSDS Number: BHDBF

=== Responsible Party ===

Company Name:UNION CARBIDE CORPORATION

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:ROUTINE INFO CONTACT LOCAL SUPPLIER

Emergency Phone Num:1-800-822-

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

CAS:778

2-44-7
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
Effects of Overexposure:SYMPTOMS: NASAL STUFFINESS, COUGH, SORE THROAT,
CHEST PAIN AND BREATHING DIFFI- CULTIES.BREATHING PURE OXYGEN UNDER
PRESSURE MAY CAUSE LUNG DAMAGE AND ALSO CENTRAL NERVOUS SYSTEM
EFFECTS RESULTING IN DIZZINESS, POOR
COORDINATION,TINGL
INSENSATION,VISUAL & HEARING
DISTURBANCES,MUSCULAR TWITCHING,UNCONSIIOUS,CONVULTION

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

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

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

Extinguishing Media:VIGOROUSLY ACCELERATES COMBUSTION. USE MEDIA
APPROPRIATE FORSURROUNDING FIRE. WATER IS PREFERRED FOR CLOTHES
FIRE.

Fire Fi
ghting Procedures:EVACUATE ALL PERSONNEL. IMMEDIATELY COOL
CONTAINERS WITH WATER SPRAY FROM A MAX DISTANCE, UNTIL COOL. THEN
MOVE CONTAINERS FROM FIRE AREA IF WITHOUT RISK.

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

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

Spill Release Procedures:SHUT LEAK OFF IF WITHOUT RISK. VEN
TILATE AREA
OF LEAK OR MOVE LEAKING CONTAINER TO WELL-VENTILATED AREA. REMOVE
ALL FLAMMABLE MATERIALS FROM VICINITYOXYGEN MUST NEVER BE PERMITTED
TO STRIKE AN OILY SURFACE, GREASY CLOTHES, OR OTHER COMBUSTIBLES.

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

Handling and Storage Precautions: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 LEAK.

Other Precautions:

NEVER LUBRICATE OXYGEN VALVES, REGULATORS, ETC., WITH ANY COMBUSTIBLE SUBSTANCE.

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

Ventilation:MECHANICAL VENTILATION ACCEPTABLE

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

WHEN TWO OR MORE GASES, OR LIQUEFIED GASES ARE MIXED, THEIR HAZARDOUS PROPERTIESMAY COMBIN E TO CREATE ADDITIONAL UNEXPECTED HAZARDS.

===== 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

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

Stability Indicator/Materials to Avoid:YES

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

Stability Condition to Avoid:AVOID CONTACT WITH OILS, GREASES AND OTHER FLAMMABLE MATERIALS.

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

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

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