

## **OXYGEN**

### **MSDS Number**

BHDBF

### **National Stock Number**

6830-00-169-0805

### **Product Name**

OXYGEN

### **Manufacturer**

UNION CARBIDE CORP

### **Product Identification**

Product ID: OXYGEN

MSDS Date: 09/01/1985

FSC: 6830

NIIN: 00-169-0805

MSDS Number: BHDBF

### **Responsible Party**

UNION CARBIDE CORPORATION

39 OLD RIDGEBURY ROAD

DANBURY , CT 06817-0001

US

Emergency Phone: 1-800-822-4357 CANADA 514-640-6400

Info Phone: ROUTINE INFO CONTACT LOCAL SUPPLIER

Cage: 36346

### **Contractor**

UNION CARBIDE CORP LINDE DIV

DANBURY, CT 06817-0001

US

800-822-4357; 304-744-3487

Cage: 36346

### **Ingredients**

OXYGEN

CAS: 7782-44-7

RTECS: RS2060000

Fraction By Weight: 100%

### **Hazards**

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, TINGLINGS, SENSATION, VISUAL & HEARING

DISTURBANCES, MUSCULAR TWITCHING, UNCONSCIOUS, CONVULSION

### **First Aid**

First Aid: INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NOT BREATHING.

KEEP VICTIM WARM AND AT REST. CALL A PHYSICIAN.

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## Fire Fighting

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

Fire Fighting 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

Spill Release Procedures:SHUT LEAK OFF IF WITHOUT RISK. VENTILATE 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

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

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 COMBINE TO CREATE ADDITIONAL UNEXPECTED HAZARDS.

## 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

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

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

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