

OXYGEN

MSDS Number

BHDWG

National Stock Number

6830-00-808-9530

Product Name

OXYGEN

Manufacturer

UNION CARBIDE CORP

Product Identification

Product ID: OXYGEN

MSDS Date: 09/01/1985

FSC: 6830

NIIN: 00-808-9530

MSDS Number: BHDWG

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

Health Hazards Acute and Chronic: INGEST./SKIN/EYE: NO EVIDENCE OF ADVERSE EFFECTS FROM AVAILABLE INFORMATION. INHALATION: BREATHING 80% OR MORE OXYGEN FOR MORE THAN A FEW HOURS MAY CAUSE NASAL STUFFINESS, COUGH, SORE THROAT, CHEST PAIN & BREATHING DIFFICULTY.

Effects of Overexposure: BREATHING PURE OXYGEN UNDER PRESSURE MAY CAUSE LUNG DAMAGE & CENTRAL NERVOUS SYSTEM EFFECTS RESULTING IN DIZZINESS, POOR COORDINATION, TINGLING SENSATION, VISUAL & HEARING DISTURBANCES, MUSCULAR TWITCHING, UNCONSCIOUSNESS & CONVULSIONS.

Medical Cond Aggravated by Exposure: RETINAL DAMAGE CAN ALSO OCCUR IN

ADULTS EXPOSED TO 100% OXYGEN PARTICULARLY IN INDIVIDUALS WHOSE RETINAL CIRCULATION HAS BEEN PREVIOUSLY COMPROMISED.

First Aid

First Aid:SKIN/EYE: NO EMERGENCY CARE ANTICIPATED.
INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. KEEP VICTIM WARM AND AT REST. CALL A PHYSICIAN.INGESTION: THIS PRODUCT IS A GAS AT NORMAL TEMPERATURE AND PRESSURE.

Fire Fighting

Flash Point:NA
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:VIGOROUSLY ACCELERATES COMBUSTION. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. WATER IS PREFERRED FOR CLOTHING FIRES.
Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. IMMEDIATELY COOL CONTAINERS W/WATER SPRAY FROM MAXIMUM DISTANCE UNTIL COOL,MOVE CONTAINER AWAY FROM FIRE W/O RISK
Unusual Fire/Explosion Hazard:OXIDIZING AGENTS VIGOROUSLY ACCELERATES COMBUSTION. CONTACT W/FLAMMABLE MATERIAL MAY CAUSE FIRE/EXPLOSION.CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE.

Accidental Release

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. OXYGEN MUST NEVER BE PERMITTED TO STRIKE AN OILY SURFACE,GREASY CLOTHES,OR OTHER COMBUSTIBLE MATERIAL.

Handling

Handling and Storage Precautions:NEVER WORK ON A PRESSURIZED SYSTEM.IF THERE IS A LEAK,CLOSE CYLINDER VALVE,BLOW DOWN SYSTEM BY VENT TO A SAFE PLACE,THEN REPAIR THE LEAK.
Other Precautions:NEVER LUBRICATE OXYGEN VALVES, REGULATORS,ETC.,WITH ANY COMBUSTIBLE SUBSTANCE.

Exposure Controls

Respiratory Protection:NOT REQUIRED
Ventilation:MECHANICAL 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
NK

Chemical Properties

HCC:G4
Boiling Pt:B.P. Text:-297.4F
Vapor Pres:GAS
Vapor Density:1.105@25C
Spec Gravity:GAS
Evaporation Rate & Reference:NA
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 GREASE.
Stability Condition to Avoid:AVOID CONTACT WITH OILS,GREASES AND OTHER FLAMMABLE MATERIAL
Hazardous Decomposition Products:NONE

Disposal

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

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