

OXYGEN

MSDS Number

BHCZZ

National Stock Number

6830-00-169-0804

Product Name

OXYGEN

Manufacturer

UNION CARBIDE CORP

Product Identification

Product ID: OXYGEN

MSDS Date: 09/01/1985

FSC: 6830

NIIN: 00-169-0804

MSDS Number: BHCZZ

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.

Fire Fighting

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

Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM AREA. IMMEDIATELY COOL CONTAINERS WITH WATER SPRAY FROM A MAXIMUM DISTANCE, UNTIL COOL,THEN MOVE CONTAINERS FROM FIRE AREA W/O 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 VICINITY.OXYGEN MUST NEVER BE PERMITTED TO STRIKE AN OILY SURFACE, GREASY CLOTHES, OR OTHER COMUBUSTIBLES.

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 THE 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 PROPERTIES MAY COMBINE TO CREATE ADDITIONAL UNEXPECTED HAZARDS.

Chemical Properties

HCC:G4

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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