View NSN Online: https://aerobasegroup.com/nsn/6505-00-132-5225

Product ID:L-4638-A OXYGEN

MSDS Date:09/01/1985

FSC:6505

NIIN:00-132-5225

MSDS Number: BLRDC === Responsible Party ===

Company Name: UNION CARBIDE CORP/LINDE DIV

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06817-0001

Info Phone Num:(304) 744-3487

Emergency Phone Num: (304) 744-3487

CAG E:61637

=== Contractor Identification ===

Company Name: UNION CARBIDE CORP Address: 39 OLD RIDGEBURY ROAD

Box:City:DANBURY

State:CT

ZIP:06817-0001 Country:US

Phone:800-822-4357/732-563-5522 (MSDS)

CAGE:61637

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

Ingred Name: OXYGEN (GAS)

CAS:7782-44-7

RTECS #:RS2060000 Fraction by Wt: 100%

========== Hazards Identification ==============

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinog

enicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: INHALATION: NASAL STUFFINESS/COUGH/SORE THROAT/CHEST PAIN/BREATHING DIFFICULTY/LUNG DAMAGE/CNS EFFECTS RESULTING IN DIZZINESS/POOR COORDINATION/TINGLING SENSATION/VISUAL & HEARING DISTURBANCES/MUSCULA R TWITCHING/UNCONSCIOUSNESS/CONVULSIONS/PROLONGATION OF ADAPTATION TO DARKNESS/REDUCED PERIPHERAL VISION. **Explanation of Carcinogenicity:NONE** Effects of Overexposure: INHALATION: ALVEOLAR COLLAPSE FOLLOWING OX **YGEN** ABSORPTION, EARDRUM RETRACTION, OBSTRUCTION OF PARANASAL SINUSES PRODUCING VACUUM-TYPE HEADACHE. NEWBORN PREMATURE INFANTS OR ADULTS EXPOSED TO 100% OXYG EN MAY SUFFER DELAYED RETINAL DAMAGE, WHICH CAN PROGRESS TO RETINAL DETACHMENT & BLINDNESS. First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. KEEP VICTIM WARM & AT REST. OBTAIN MEDICAL ATTENTION IN ALL CASES . PHYSICIAN NOTE: SUPPORTIVE TREATMENT SHOULD INCLUDE IM MEDIATE SEDATION/ANTI-CONVULSIVE THERAPY/REST. ALL INDIVIDUALS EXPOSED FOR LONG PERIODS TO OXYGEN AT HIGH PRESSURE & ALL WHO EXHIBIT OVERT OXYGEN TOXICITY SHOULD HAVE OPHTHALMOLOGIC **EXAMINATIONS.** ============ Fire Fighting Measures ========================= Extinguishing Media: USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. WATER IS THE PREFERRED EXTINGUISHING MEDIA FOR CLOTHING FIRES. Fire Fighting Procedures: EVAC UATE ALL PERSONNEL FROM DANGER AREA. COOL

CONTAINERS W/WATER SPRAY FROM MAXIMUM DISTANCE UNTIL COOL, THEN MOVE CONTAINERS AWAY FROM FIRE AREA SAFELY.

Unusual Fire/Explosion Hazard:CONTACT W/FLAMMABLE MATERIAL MAY CAUSE FIRE/EXPLOSION. CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE OR REVERSE FLOW INTO CYLINDER. COMBUSTIBLE/HIGH PRESSURE GAS.

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

Spill Release Procedures: SHUT OFF LEAK IF W/OUT RISK. VENTILATE AREA OF

LEAK OR MOVE LEAKING CONTAINER TO WELL-VENTILATED AREA. REMOVE ALL FLAMMABLE MATERIALS FROM VICINITY. IF THERE IS A LEAK, CLOSE CYLINDER VALVE/BLOW DOWN SYSTEM BY VENTING TO SAFE PLACE/REPAIR THE LEAK.

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

Handling and Storage Precautions:NEVER LUBRICATE OXYGEN VALVES/REGULATORS/ETC. W/ANY COMBUSTIBLE SUBSTANCE. DON'T USE OXYGEN JET TO CLEAN, INCREASES DANGER OF ENGULFING FIRE.

Other Precautions: USE ONLY W/EQ

UIPMENT CONDITIONED FOR OXYGEN SERVICE.

OXYGEN MUST NEVER BE PERMITTED TO STRIKE AN OILY SURFACE/GREASY CLOTHES/OTHER COMBUSTIBLE MATERIAL. ISOLATE FROM IGNITION SOURCES. USE CHECK VALVE IN ANY LINE OF PIPING FROM CYLINDER.

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

Respiratory Protection: AS REQUIRED

Ventilation: MECHANICAL (GENERAL): ACCEPTABLE.

Protective Gloves: PREFERRED FOR CYLINDER HANDLING

Eye Protection: AS REQUIRED

Other Protective Equipment:SAFETY S

HOWER & METATARSAL SHOES FOR

CYLINDER HANDLING

Supplemental Safety and Health

WHEN 2 OR MORE GASES OR LIQUEFIED GASES ARE MIXED, THEIR HAZARDOUS PROPERTIES MAY COMBINE TO CREATE ADDITIONAL UNEXPECTD HAZARDS. READ/UNDERSTAND LABEL PRECAUTION/SAFETY INFORMATION BEFORE PRODUCING M IXTURE. MOST CONTAINERS ARE PROVIDED W/PRESSURE RELIEF DEVICE DESIGNED TO VENT CONTENTS WHEN EXPOSED TO HIGH TEMP.

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

Boiling Pt:B.P. Text:-297.4F

Melt/Freeze Pt:M.P/F.P Text:-361.1F

Vapor Pres:GAS Vapor Density:1.105 Spec Gravity:GAS

Solubility in Water: NEGLIGIBLE

Appearance and Odor: COLORLESS, ODORLESS GAS

Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, COMBUSTIBLE MATERIALS, ASPHALT, FLAMMABLE MATERIALS, ESPECIALLY OILS & GREASES

Stability Condition to Avoid:TEMPERATURE >125F, FLAMES, ELECTRIC SPARKS,

PHYSICAL DAMAGE, OVER-HEATING

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

Waste Disposal Methods:SLOWLY RELEASE INTO ATMOSPHERE, IN AN OPEN, OUTDOORS AREA IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS. COMBUSTIBLE, HIGH PRESSURE GAS.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or

implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.