

LIQUID CARBONIC CORP -- LIQUID OXYGEN -- 6830-00-808-9531

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

Product ID:LIQUID OXYGEN

MSDS Date:08/01/1990

FSC:6830

NIIN:00-808-9531

MSDS Number: BWRWZ

=== Responsible Party ===

Company Name:LIQUID CARBONIC CORP

Address:135 S LA SALLE STREET

City:CHICAGO

State:IL

ZIP:60603-4282

Country:US

Info Phone Num:312-855-2500

Emergency Phone Num:504-673-8831/800-424-9300(CHEM  
TREC)

CAGE:36517

=== Contractor Identification ===

Company Name:LIQUID CARBONIC CORP

Address:135 S LA SALLE STREET

Box:City:CHICAGO

State:IL

ZIP:60603-4101

Country:US

Phone:312-855-2500

CAGE:36517

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

Ingred Name:OXYGEN

CAS:7782-44-7

RTECS #:RS2060000

Fraction by Wt: 99.5%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:N

O

Health Hazards Acute and Chronic:INHALATION: OXYGEN IS THE VITAL ELEMENT IN THE ATMOSPHERE IN WHICH WE LIVE & BREATHE. ATMOSPHERE CONTAINS 21 MOLAR % OXYGEN. BREATHING HIGH CONCENTRATIONS COULD LEAD TO HYPEROXIA & PNEUMONIA OR COULD PRESENT A RISK OF INFLAMMATION OF ORGANIC MATTER IN BODY. PERSONS IN ILL HEALTH WHERE SUCH ILLNESS WOULD BE AGGRAVATED\*

Effects of Overexposure:\* BY EXPOSURE TO HIGH THAN NORMAL LEVELS OF OXYGEN SHOULD NOT BE ALLOWED TO WORK WITH OR HANDLE THIS PRODUCT.

SKIN OR EYE CONTACT: CONTACT WITH THE CRYOGENIC LIQUID OR COLD PIPING COULD RESULT IN CRYO GENIC "BURNS" OR FROSTBITE.

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

First Aid:INHALATION: CONSCIOUS PERSONS SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA AND BREATHE FRESH AIR. THEY SHOULD BE KEPT WARM AND QUIET. THE PHYSICIAN SHOULD BE INFORMED THAT THE VICTIM IS EXPERIENCING ( HAS EXPERIENCED) HYPEROXIA. UNCONSCIOUSPERSONS SHOULD BE MOV  
ED TO AN UNCONTAMINATED AREA & GIVEN ASSISTED RESPIRATION. WHEN BREATHING RESTORED, TREAT AS ABOVE. CONTINUED TREATMENT SHOULD BE \*\*

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

Extinguishing Media:FIRES WITH OXYGEN AS THE OXIDIZER SHOULD BE FOUGHT WITH COPIOUS QUANTITIES OF WATER.

Fire Fighting Procedures:IF POSSIBLE, STOP THE SOURCES OF OXYGEN WHICH IS SUPPORTING THE FIRE.

Unusual Fire/Explosion Hazard:VIGOROUSLY ACCELERATES COMBUSTN.MANY COMPOUNDS

NOT FLAMMABLE IN AIR MAY BURN IN PURE OXYGEN.IF LIQ CYLNDR INVOLVED IN FIRE,SAFELY RELOCATE/KEEP COOL W/H2O SPRAY

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

Spill Release Procedures:N/K \*\* SYMPTOMATIC AND SUPPORTIVE.  
CRYOGENIC BURNS OR FROSTBITE: FLUSH AFFECTED AREAS WITH LUKEWARM WATER. DO NOT USE HOT WATER. PHYSICIAN SHOULD SEE PATIENT PROMPTLY IF CRYOGENIC "BURN" RESULTS IN BLISTERING DERMAL SURFACE OR DEEP TISSUE FREEZING

===== Expos

ure Controls/Personal Protection =====

Supplemental Safety and Health

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

HCC:G4

Boiling Pt:B.P. Text:-297F,-183C

Vapor Pres:760 @ B PT

Vapor Density:1.11 @ 70F

Spec Gravity:1.14 @ B PT

Solubility in Water:SLIGHTLY (VAPOR)

Appearance and Odor:LIQUID IS CLEAR AND LIGHT BLUE; VAPOR IS COLORLESS  
& ODORLESS.

Percent Volatiles by Volume:100

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