

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

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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.

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===== 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. UNCONSCIOUS PERSONS SHOULD BE MOV

ED TO AN UNCONTAMINATED AREA & GIVEN ASSISTED RESPIRATION. WHEN BREATHING RESTORED, TREAT AS ABOVE. CONTINUED TREATMENT SHOULD BE **

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===== 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

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===== 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

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===== 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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formation 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.