View NSN Online: https://aerobasegroup.com/nsn/6830-00-264-9071

LIQUID CARBONIC CORP

-- DICHLORODIFLUOROMETHANE

\_\_\_\_\_

MSDS Safety Information

\_\_\_\_\_

FSC: 6830

NIIN: 00-264-9071 MSDS Date: 07/01/1991 MSDS Num: BTHMB

Product ID: DICHLORODIFLUOROMETHANE

MFN: 01

Responsible Party Cage: 36517

Name: LIQUID CARBONIC CORP Address: 135 S LA SALLE STREET

City: CHICAGO IL 606

03-4101

Info Phone Number: 312-855-2500

Emergency Phone Number: 312-855-2500

Preparer's Name: UNKNOWN

Review Ind: Y Published: Y

\_\_\_\_\_\_

**Contractor Summary** 

\_\_\_\_\_

Cage: 36517

Name: LIQUID CARBONIC CORP Address: 135 S LA SALLE STREET City: CHICAGO IL 60603-4101

Phone: 312-855-2500

\_\_\_\_\_\_

Item Description Information

\_\_\_\_\_

\_\_\_\_\_

Item Manager: S9G

Item Name: DICHLORODIFLUOROMETHANE, TECHNICAL

Specification Number: BB-F-1421

Type/Grade/Class: NONE

Unit of Issue: LB UI Container Qty: 0

Type of Container: UNKNOWN

\_\_\_\_\_

Ingredients

\_\_\_\_\_\_

Cas: 75-71-8

RTECS #: PA8200000

Name: DICHLORODIFLUOROMETHANE (SARA III)

% Wt: >99

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 1000 PPM

ACGIH TLV: 1000 PPM; 9394

**EPA** 

Rpt Qty: 5000 LBS DOT Rpt Qty: 5000 LBS Ozone Depleting Chemical: 1

\_\_\_\_\_

Health Hazards Data

\_\_\_\_\_\_

LD50 LC50 Mixture: LD 50 ORAL RAT IS > 1000 MG/KG

Route Of Entry Inds - Inhalation: YES

Skin: NO Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO OSHA: NO

Effects of Exposure: HEALTH HAZARDS: ACUTE: MAY CAUSE ASPHYXIATION BY REDUCING

OXYGEN AVAILABLE FOR BREATHING. LIQUID CAN CAUSE FROSBI

TE. CHRONIC: NONE

SPECIFIED BY MANUFACTURER.

Explanation Of Carcinogenicity: NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Signs And Symptions Of Overexposure: LIQUID CAN CAUSE FROSTBITE. VAPOR CAN CAUSE LIGHTHEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, AND MAY LEAD TO NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH.

Medical Cond Aggravated By Exposure: INDIVIDUALS WITH A HISTORY OF CARDIOVASCULAR DISORDERS MAY BE AT INCREASED RISK FR OM EXPOSURE.

First Aid: EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.SEE DOCTOR. SKIN:WASH WITH WATER.TREAT FOR FROSTBITE. INHALATION:REMOVE VICTIM TO FRESH AIR.GIVE OXYGEN/CPR IF NEEDED.SEE DOCTOR.DO NOT GIVE EPI NEPHRINE OR SIMILAR DRUGS. NOTE TO PHYSICIAN: BECAUSE OF INCREASED RISK OF CARDIAC

DYSRYTHMIAS, CATECHOLAMINE DRUGS, SUCH AS EPINEPHRINE SHOULD BE CONSIDERED ONLY

AS A LAST RESORT.

\_\_\_\_\_

Handling and Disposal

=======

\_\_\_\_\_

Spill Release Procedures: REMOVE PERSONNEL. REMOVE OPEN FLAMES. VENTILATE AREA, ESPECIALLY LOW PLACES WHERE HEAVY VAPORS MIGHT COLLECT.

Waste Disposal Methods: CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. RECLAIM BY DISTILLATION OR REMOVE TO A PERMITTED WASTE DISPOSAL FACILITY. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. EPA HAZARDOU S WASTE NUMBER U075.

Handling And Storage Precautions: STORE IN COOL, DRY, WELL VEN

TILATED AREA.

PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES. DO NOT HEAT ABOVE 125F.

Other Precautions: AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS.

\_\_\_\_\_\_

Fire and Explosion Hazard Information

\_\_\_\_\_\_

Flash Point Text: NONE

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL

**FACED SE** 

LF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

\_\_\_\_\_\_

Control Measures

\_\_\_\_\_

Respiratory Protection: NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN TESTING THIS PRODUCT.

Ventilation: NO SPECIAL REQUIREMENTS.

USE GENERAL (MECHANICAL) VENTILATION IN

LOW PLACES. USE LOCAL EXHAUST FOR LARGE RELEASE.

Protective Gloves: LINED BUTYL GLOVES.

Eye Protection: CHEMICAL SPLASH GOGGLES.

Other Protective Equipment: PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE

EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING.

LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health: NONE.

\_\_\_\_\_

\_\_\_\_\_

Physical/Chemical Properties

\_\_\_\_\_

HCC: G3

B.P. Text: -22F,-30C

Decomp Text: UNKNOWN Vapor Pres: 2.812E\*3 Vapor Density: 4.2 Spec Gravity: 1.49

Solubility in Water: SLIGHT

Appearance and Odor: GAS; COLORLESS; SLIGHT ETHEREAL ODOR

Percent Volatiles by Volume: >99

Corrosion Rate: UNKNOWN

\_\_\_\_\_

Reactivity Data

\_\_\_\_\_

Stability Indicator: YES

Stability Condition To Avoid: HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF

**IGNITION** 

Materials To Avoid: STRONG OXIDIZING AGENTS

Hazardous Decomposition Products: HYDROCHLORIC ACID, HYDROFLUORIC ACID,

POSSIBLE CARBONYL HALIDES. Hazardous Polymerization Indicator: NO

**Toxicological Information** 

\_\_\_\_\_

\_\_\_\_\_\_

Ecological Information

\_\_\_\_\_

\_\_\_\_\_\_

MSDS Transport Information

\_\_\_\_\_

Regulatory Information

\_\_\_\_\_\_

\_\_\_\_\_

Other Information

\_\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Transportation Information

\_\_\_\_\_

Responsible Party Cage: 36517

Trans ID NO: 63837

Product ID: DICHLORODIFLUOROMETHANE

MSDS Prepared Date: 07/01/1991

Review Date: 05/13/1994

MFN: 1

Net Unit Weight: UNKNOWN

AF MMAC Code: NR Multiple KIT Number: 0

Review IND: Y Unit Of Issue: LB Container QTY: 0

Type Of Container: UNKNOWN

Additional Data: NONE

\_\_\_\_\_

**Detail DOT Inform** 

ation

\_\_\_\_\_

DOT PSN Code: ETJ

DOT Proper Shipping Name: DICHLORODIFLUOROMETHANE OR REFRIGERANT GAS R 12

Hazard Class: 2.2 UN ID Num: UN1028

Label: NONFLAMMABLE GAS

Non Bulk Pack: 304 Bulk Pack: 314,315 Max Qty Pass: 75 KG Max Qty Cargo: 150 KG Vessel Stow Req: A

Detail IMO Information

\_\_\_\_\_\_

IMO PSN Code: FKB

IMO Proper Shipping Name: DICHLO

RODIFLUOROMETHANE IMDG Page Number: 2129

UN Number: 1028

UN Hazard Class: 2(2.2) IMO Packaging Group: -Subsidiary Risk Label: -EMS Number: 2-09

MED First Aid Guide NUM: 350

\_\_\_\_\_

Detail IATA Information

\_\_\_\_\_\_

IATA PSN Code: IWJ IATA UN ID Num: 1028

IATA Proper Shipping Name: DICHLORODIFLUOROMETHANE

IATA PSN Modifier: (R12) IATA UN Class: 2.2

IATA Label: NON-FLAMMABLE GAS

Packing Note Passenger:

200

Max Quant Pass: 75KG Max Quant Cargo: 150KG Packaging Note Cargo: 200

\_\_\_\_\_

Detail AFI Information

\_\_\_\_\_\_

AFI PSN Code: IWJ

AFI Proper Shipping Name: DICHLORODIFLUOROMETHANE

AFI Hazard Class: 2.2 AFI UN ID NUM: UN1028 Special Provisions: P5

Back Pack Reference: A6.3, A6.5

\_\_\_\_\_\_

HAZCOM Label

===

Product ID: DICHLORODIFLUOROMETHANE

Cage: 36517

Company Name: LIQUID CARBONIC CORP

Street: 135 S LA SALLE STREET

City: CHICAGO IL Zipcode: 60603-4101

Health Emergency Phone: 312-855-2500

Label Required IND: Y

Date Of Label Review: 05/12/1994

Status Code: C

MFG Label NO: UNKNOWN Label Date: 05/12/1994 Origination Code: F Eye Protection IND: YES Signal Word: CAUTION Health Hazard: Slight Contact Hazard: Slight Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: HEALTH HAZARDS: AC

**UTE: MAY CAUSE ASPHYXIATION BY** 

REDUCING OXYGEN AVAILABLE FOR BREATHING. LIQUID CAN CAUSE FROSBITE. CHRONIC: NONE SPECIFIED BY MANUFACTURER. FIRST AID: EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.SEE DOCTOR. SKIN:WASH WITH WATER.TREAT FOR FROSTBITE. INHALATION:REMOVE VICTIM TO FRESH AIR.GIVE OXYGEN/CPR IF NEEDED.SEE DOCTOR.DO NOT GIVE EPINEPHRINE OR SIMILAR DRUGS. NOTE TO PHYSICIAN: BECAUSE OF INCREASED RISK OF CARDIAC DYSRYTHMIAS,CATECHOLAMINE DRUGS,SUCH AS EPINEPHRINE SHOULD BE CONSIDERED ONLY AS A LAST RESORT.

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, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any p

erson or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.