

LELAND LTD INC -- CARBON DIOXIDE

=====  
MSDS Safety Information  
=====

FSC: 4220  
NIIN: 01-252-3863  
MSDS Date: 02/28/1991  
MSDS Num: BXWFT  
Product ID: CARBON DIOXIDE  
MFN: 01  
Responsible Party  
Cage: 2W134  
Name: LELAND LTD INC  
Address: 105 SNYDER RD BLDG C  
City: S. PLAINFIELD NJ 07080  
Info Phone Number: 908-668-1310  
Emergency Phone Number: 800-535-5053  
Review Ind: Y  
Published: Y

=====  
Contractor Summary  
=====

Cage: 61125  
Name: J.G.B. ENTERPRISES  
Address: 115 METROPOLITAN DR  
Box: 209  
City: LIVERPOOL NY 13088  
Phone: 315-451-2770  
Cage: 2W134  
Name: LELAND LTD INC  
Address: 2614 S CLINTON AVE  
City: SOUTH PLAINFIELD NJ 07080  
Phone: 908-561-2000; 908-568-1310

=====  
Item Description Information  
=====

Item Manager: S9I  
Item Name: REPLACEMENT KIT,RING BUOY  
Specification Number: NONE  
Type/Grade/Class: NONE  
Unit of Issue: EA  
UI Container Qty: Z  
Type of Container: UNKNOWN

=====  
Ingredients  
=====

Cas: 124-38-9  
RTECS #: FF6400000  
Name: CARBON DIOXIDE  
% Wt: 100  
Other REC Limits: NONE RECOMMEND

ED  
OSHA PEL: 5000 PPM  
ACGIH TLV: 5000PPM/30000STEL;95

=====  
Health Hazards Data  
=====

LD50 LC50 Mixture: PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED  
Route Of Entry Inds - Inhalation: YES  
Skin: YES  
Ingestion: NO  
Carcinogenicity Inds - NTP: NO  
IARC: NO  
OSHA: NO  
Effects of Exposure: INHALATION:HIGH CONCENTRATIONS INDUCE ASPHXIA. SKIN:AS GAS  
ESCAPES, CYLINDER FREEZES.  
Explanation Of Carcinogenicity: M  
FR GAVE THE ABOVE LISTINGS ON THE MSDS BUT NO  
OTHER COMMENTS WERE RECORDED ON THE MSDS.  
Signs And Symptions Of Overexposure: DROWSINESS, SKIN BURNS OR REDNESS.  
Medical Cond Aggravated By Exposure: NONE  
First Aid: VENTILATE WITH AIR OR OXYGEN.

=====  
Handling and Disposal  
=====

Spill Release Procedures: VENTILATE AREA - STAY CLEAR OF CYLINDERS IF  
ACCIDENTAL RELEASE OCCURS.  
Neutralizing Agent: MF  
R GAVE NO INFORMATION ON MSDS.  
Waste Disposal Methods: RELEASE OUT OF DOORS. NO RESIDUE WILL REMAIN.  
Handling And Storage Precautions: STORE COOL - BELOW 140F.  
Other Precautions: CYLINDER TEMPERATURE WILL DRCREASE AS A RELEASE OCCURS,  
CAUSING FREEZE BURNS IF CYLINDER IS TOUCHED (DRY ICE).

=====  
Fire and Explosion Hazard Information  
=====

Flash Point Text: D.N.A.  
Lower Limits: D.N.A.  
Upper Limit  
s: D.N.A.  
Extinguishing Media: D.N.A.  
Fire Fighting Procedures: STAY CLEAR OF HEATED CYLINDERS - COOL CYLINDERS WITH  
WATER SPRAY.  
Unusual Fire/Explosion Hazard: NON-FLAMMABLE GAS, UN1013. CYLINDERS MAY RUPTURE  
IF OVERHEATED, 240F APPROX.

=====  
Control Measures  
=====

Respiratory Protection: NOT RECOMMENDED.  
Ventilation: LOCAL EXHAUST IS RECOMMENDED.  
Protective Gloves: RECOMMENDED.  
Eye Protecti

on: RECOMMENDED.  
Other Protective Equipment: RECOMMENDED.  
Work Hygienic Practices: RECOMMENDED.  
Supplemental Safety and Health: NONE

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

HCC: G3  
NRC/State LIC No: NONE  
B.P. Text: 129F,54C  
M.P/F.P Text: D.N.A.  
Decomp Text: UNKNOWN  
Vapor Pres: 745 PSIG  
Vapor Density: 1997  
Spec Gravity: 1.98  
Viscosity: UNKNOWN  
Evaporation Rate & Reference: D.N.A.  
Solubility i  
n Water: 180 G/CC  
Appearance and Odor: COLORLESS GAS/SLIGHTLY PUNGENT ODOR.  
Corrosion Rate: UNKNOWN

=====  
Reactivity Data  
=====

Stability Indicator: YES  
Stability Condition To Avoid: NONE  
Materials To Avoid: NONE  
Hazardous Decomposition Products: NONE  
Hazardous Polymerization Indicator: NO  
Conditions To Avoid Polymerization: WILL NOT OCCUR. NONE

=====  
Toxicological Information  
=====

=====  
Ecological Information  
=====

=====  
MSDS Transport Information  
=====

=====  
Regulatory Information  
=====

=====  
Other Information  
=====

=====  
Transportation Information  
=====

Responsible Party Cage: 2W134  
Trans ID NO: 118456  
Product ID: CARBON DIOXIDE  
MSDS Prepared Date: 02/28/1991  
Review Date: 10/24/1995  
MFN: 1  
Net Unit Weight: UNKNOWN  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: EA  
Container  
QTY: Z  
Type Of Container: UNKNOWN  
=====

=====  
Detail DOT Information  
=====

DOT PSN Code: CUX  
DOT Proper Shipping Name: CARBON DIOXIDE  
Hazard Class: 2.2  
UN ID Num: UN1013  
Label: NONFLAMMABLE GAS  
Packaging Exception: 306  
Non Bulk Pack: 302,304  
Bulk Pack: 302,314,315  
Max Qty Pass: 75 KG  
Max Qty Cargo: 150 KG  
Vessel Stow Req: A  
=====

=====  
Detail IMO Information  
=====

IMO PSN Code: DOH  
IMO Proper Shipping Name: CARBON DIOXIDE  
IMDG Page Number: 2111  
UN Number: 1013  
UN Hazard Class: 2(2.2)  
IMO Packaging Group: -  
Subsidiary Risk Label: -  
EMS Number: 2-09  
MED First Aid Guide NUM: 615  
=====

=====  
Detail IATA Information  
=====

IATA PSN Code: FHH  
IATA UN ID Num: 1013  
IATA Proper Shipping Name: CARBON DIOXIDE +  
IATA U

N 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: FHH  
AFI Proper Shipping Name: CARBON DIOXIDE  
AFI Hazard Class: 2.2  
AFI UN ID NUM: UN1013  
Special Provisions: P5  
Back Pack Reference: A6.3,A6.5,A6.6

=====  
HAZCO  
M Label  
=====

Product ID: CARBON DIOXIDE  
Cage: 2W134  
Company Name: LELAND LTD INC  
Street: 2614 S CLINTON AVE  
City: SOUTH PLAINFIELD NJ  
Zipcode: 07080  
Health Emergency Phone: 800-535-5053  
Label Required IND: Y  
Date Of Label Review: 10/24/1995  
Status Code: C  
MFG Label NO: NONE  
Label Date: 10/24/1995  
Origination Code: F  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: CAUTION  
Health Hazard: Slight  
Contact Hazard: Slight  
Fire Hazard: No  
ne  
Reactivity Hazard: None  
Hazard And Precautions: **\*\*TARGET-ORGANS:RESPIRATORY SYSTEM\*\*** INHALATION:HIGH  
CONCENTRATIONS INDUCE ASPHXIA. SKIN:AS GAS ESCAPES, CYLINDER FREEZES. STORE  
COOL - BELOW 140F. IN CASE OF SPILL: VENTILATE AREA - STAY CLEAR OF CY  
LINDERS IF ACCIDENTAL RELEASE OCCURS.

=====  
Disclaimer (provided with this information by the compiling agencies): This  
information is formulated for use by elements of the Department of Def

ense.

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 person 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 sho

uld 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.