View NSN Online: https://aerobasegroup.co.il/nsn/4220-01-391-9844

LELAND LIMITED INC -- CARBON DIOXIDE, GAS

MSDS Safety Information

FSC: 4220

NIIN: 01-391-9844 MSDS Date: 10/19/1996 MSDS Num: CJKBT

Product ID: CARBON DIOXIDE, GAS

MFN: 01

Responsible Party Cage: 2W134

Name: LELAND LIMITED INC Address: 382 SOMERVILLE RD

Box: 382

City: BEDMINSTER NJ

07921

Info Phone Number: 908-668-1008

Emergency Phone Number: 1-800-424-9300

Item Description Information

Item Manager: S9I

Item Name: LIFE RAFT, INFLATABLE

Unit of Issue: EA UI Container Qty: 1

Ingredients

Cas: 124-38-9

RTECS #: FF6400000

Name: CARBON DIOXIDE GAS

Percent b y Wt: 100.

OSHA PEL: 9000 MG/M3;5000 PPM ACGIH TLV: 9000 MG/M3;5000 PPM

ACGIH STEL: 54000 MG/M3

Health Hazards Data

Route Of Entry Inds - Inhalation: YES

Skin: YES Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO OSHA: NO

Effects of Exposure: TARGET ORGANS: HEART, RESPIRATORY AND NERVOUS SYSTEM. INHALATION: INITIALLY RESULTS IN A COMPENSATORY INCREASE IN BOTH RATE & DESCRIPTION OF THE PROPERTY OF THE PROPERTY

DEPT

H OF VENTILATION. BEYOND A CERTAIN POINT MAY REVERSE TO HYOPVENTILATI ON RESULTING IN RESPIRATORY ACIDOSIS. DEATH FFROM ASPHYXIA MAY OCCUR IF CONC. & DURATION OF EXPOSRUE ARE SUFFICIENT. SKIN: NO EFFECTS FROM GAS. LIQUID MAY CAUSE FROSTBITE. EYES: AT HIGH CONC. IN AIR, MAY CAUSE STINGING SENSATION; MAY CAUSE IRRITATION. INGESTION: UNLIKELY. IF LIQUID IS SWALLOWED, MAY CAUSE FROSTBITE DAMAGE TO LIPS, MOUTH AND MUCOUS MEMBRANES.

Signs And Symptions Of Overexposure: INHALATION: INCRE

ASE IN BOTH RATE & amp;

DEPTH OF VENTILATION. SKIN: REDNESS, TINGLING, PAIN, OR NUMBNESS FI LIQUID CONTACT IS MADE. IN SEVERE CASES, THE SKIN MAY BECOME HARD, WHITE, AND DEVELOP BLISTERS. EYES: STINGING SENSATION.

First Aid: INHALATION: IMMEDIATELY REMOVE FROM EXPOSURE AREA TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. MAINTAIN AIRWAY & amp; BLOOD PRESSURE. KEEP AFFECTED PERSON WARM. GET MEDICAL ATTENTIO N IMMEDIATELY. SKIN: FOR FROSTBITE, WARM AFFECTED AREA IN WATER (107F). IF

WARM WATER IS UNAVAILABLE, GENTILY WRAP AFFECTED AREA IN BLANKETS. ALLOW CIRCULATION TO RETURN NATURALLY. GET MEDICAL ATTENT ION IMMEDIATELY. EYES: WASH WITH LARGE AMOUNTS OF WARM WATER FOR 15-20 MIN. GET MEDICAL ATTNETION IMMEDIATELY. INGESTION: TREAT SYMPTOMATICALLY & amp; GET MEDICAL ATTENTION.

Handling and Disposal

Waste Disposal Methods: FOR ASSISTANCE, CO

NTACT THE DISTRICT DIRECTOR OF THE

EPA.

Handling And Storage Precautions: STORE IN ACCORDANCE WITH 29 CFR 1910.101.

Other Precautions: NONE

Fire and Explosion Hazard Information

Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, OR HALON. FOR LARGER FIRES, USE WATER SPRAY, FOG OR STANDARD FOAM.

Fire Fighting Procedures: COOL FIRE-EXPOSED CYLINDERS WITH WATER FROM THE SIDE UNTIL

WELL AFTER THE FIRE IS OUT. USE AGENTS SUITABLE FOR TYPE OF FIRE. COOL CYLINDERS WITH FLOODING AMOUNTS OF WATER, APPLIED FROM AS FAR A DISTAN CE AS POSSIBLE.

Unusual Fire/Explosion Hazard: GAS-NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME CYLINDER-MAY RUPTURE IN HEAT OF FIRE.

Control Measures

Respiratory Protection: SCBA, ONLY REQUIRED IN CONFINED SPACES.

Ventilation: PRO

VIDE GENERAL DILUTION VENTILATION. Eye Protection: NOT REQUIRED, BUT ADVISABLE. Other Protective Equipment: NOT REQUIRED UNLESS MULTIPLE CYLINDERS RELEASE IN CONFINED SPACES. ______ Physical/Chemical Properties HCC: G3 Boiling Point: =-79.C, -110.2F B.P. Text: (SUBLIMES) Melt/Freeze Pt: =-57.C, -70.5F M.P/F.P Text: @4000 MMHG Vapor Pres: 43700 MMHG@21C Vapor Density: 1.5 Spec Gravity: 1.52 @21C PH: ACIDIC IN SOL'N Solubility in Water: SOLUBLE Appearance and Odor: ODORLESS. COLORLESS GAS, WITH A SLIGHT ACIDIC TASTE. _____ Reactivity Data _____ Stability Indicator: YES Stability Condition To Avoid: STABLE UNDER NORMAL TEMPERATURES AND PRESSURES. Materials To Avoid: ACRYLALDEHYDE, BA PEROXIDE, CE OXIDE, DIETHYL MG, ETHYLENEIMINE, HYDRAZINE, METAL ACETYLIDES, METAL HYDRIDES, METALS, POTASSIUM, POTASSIUM-SODIUM ALLOYS, SODIUM, SODIUM PEROXIDE. Hazardous Decomposition Products: TEMPERATURES ABOVE 1700 C MAY CAUSE DECOMPOSITION AND THE RELEASE OF OXYGEN AND HIGHLY TOXIC CARBON MONOXIDE. Hazardous Polymerization Indicator: NO Conditions To Avoid Polymerization: HARDOUS POLYMERIAZATION HAS NOT BEEN REPORTEDTO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURE. ______ Toxicological Information ______ ============== Ecological Information _____ MSDS Transport Information _____ Transport Information: PER MANUFACTURER OF THE LIFE RAFT: UN2990, LIFE-SAVING APPLIANCES, SELF-INFLATING. ______ Regulatory Information

-----Other Information ______ _____ Transportation Information _____ Responsible Party Cage: 2W134 Trans ID NO: 147011 Product ID: CARBON DIOXIDE, GAS MSDS Prepared Date: 10/19/1996 Review Date: 04/12/2000 MFN: 1 Net Unit Weight: 4.46 LB GAS Multiple KIT Numb er: 0 Unit Of Issue: EA Container QTY: 1 Additional Data: EACH DEVICE HAS A CYLINDER CONTAINING 205 CU FT OF CARBON DIOXIDE GAS. WEIGHT OF EMPTY CYLINDER = 10.16 LBS, WEIGHT OF GAS PLUS CYLINDER IS 14.62 LBS. PSN PER MARKINGS ON THE STOCK. _____ **Detail DOT Information** DOT PSN Code: IHN DOT Proper Shipping Name: LIFE-SAVING APPLIANCES, SELF INFLATING Hazard Class: 9 UN ID Num: UN2990 La bel: NONE Non Bulk Pack: 219 **Bulk Pack: NONE** Max Qty Pass: NO LIMIT Max Qty Cargo: NO LIMIT Vessel Stow Req: A _____ Detail IMO Information _____ IMO PSN Code: IYJ IMO Proper Shipping Name: LIFE-SAVING APPLIANCES, SELF-INFLATING IMDG Page Number: 9032 UN Number: 2990 **UN Hazard Class: 9** IMO Packaging Group: -

Subsidiary Risk Label: -

MED First Aid Guide NUM: ss

EMS Number:

Detail IATA Information

IATA PSN Code: PAY IATA UN ID Num: 2990

IATA Proper Shipping Name: LIFE-SAVING APPLIANCES, SELF-INFLATING

IATA PSN Modifier: ,(APPLIES TO LIFE-SAVING APPLIANCES THAT PRESENT A HAZARD IF

THE SELF-INFLATING DEVICE IS ACTIVATED ACCIDENTALLY).

IATA UN Class: 9

IATA Label: MISCELLANEOUS Packing Note Passenger: SEE 905

Max Quant Pass: SEE 905 Max Quant Cargo: SEE 905

Packaging Note Carg

o: SEE 905

Exceptions: A48, A87

Detail AFI Information

AFI PSN Code: PAY

AFI Proper Shipping Name: LIFE-SAVING APPLIANCES, SELF INFLATING

AFI Hazard Class: 9 AFI UN ID NUM: UN2990 Special Provisions: P5

Back Pack Reference: A13.11

HAZCOM Label

Product ID: CARBON DIOXIDE, GA

S

Cage: 2W134

Company Name: LELAND LTD INC Street: 2614 S CLINTON AVE City: SOUTH PLAINFIELD NJ

Zipcode: 07080

Health Emergency Phone: 1-800-424-9300

Label Required IND: Y

Date Of Label Review: 08/04/1999

Status Code: A
Origination Code: F
Eye Protection IND: YES
Signal Word: WARNING

Respiratory Protection IND: YES

Health Hazard: Moderate Contact Hazard: Slight Fire Hazard: None Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: HEART, RESPIRATORY AND NERVOUS SYSTEM.

INHALATION: I

NITIALLY RESULTS IN A COMPENSATORY INCREASE IN BOTH RATE & amp;
DEPTH OF VENTILATION. BEYOND A CERTAIN POINT MAY REVERSE TO HYOPVENTILATI ON
RESULTING IN RESPIRATORY ACIDOSIS. DEATH FFROM ASPHYXIA MAY OCCUR IF CONC.
& amp; DURATION OF EXPOSRUE ARE SUFFICIENT. SKIN: NO EFFECTS FROM GAS. LIQUID
MAY CAUSE FROSTBITE. EYES: AT HIGH CONC. IN AIR, MAY CAUSE STINGING
SENSATION; MAY CAUSE IRRITATION. INGESTION: UNLIKELY. IF LIQUID IS SWALLOWED,
MAY CAUSE FROSTBITE DAMAGE TO LIPS, MOUTH AND MUC
OUS MEMBRANES.

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 person or persons contracting wi

th 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.