View NSN Online: https://aerobasegroup.es/nsn/9140-00-285-4769

LIQUID AIR CORP

-- NITROGEN

MSDS Safety Information

FSC: 6830

NIIN: 00-285-4769

MSDS Date: 05/07/1997 MSDS Num: CFYDF Product ID: NITROGEN

MFN: 01

Responsible Party Cage: 18197

Name: LIQUID AIR CORP

Address: 2700 POST OAK BLVD 18TH FLOOR

City: HOUSTON TX 77056

Info Phon

e Number: 713-868-0440/ FAX 800-231-1366

Emergency Phone Number: 713-868-0440/800-424-9300(CHEMTREC)

Preparer's Name: UNKNOWN

Review Ind: Y Published: Y

Preparer Co. when other than Responsible Party Co.

Cage: 18197

Name: LIQUID AIR CORP

Address: 2121 N CALIFORNIA BLVD, STE 296

City: WALNUT CREEK CA 94596

Contractor Summary

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Cage: 24274

Name: AIR LIQUID AMERICA CORP Address: 2700 POST OAK DR

City: HOUSTON TX 77056-8229 Phone: 716-868-0440

Cage: 18197

Name: LIQUID AIR CORP

Address: 2121 N CALIFORNIA BLVD, STE 296

City: WALNUT CREEK CA 94596

Phone: 415-977-6500

Item Description Information

Item Name: NITROGEN, TECHNICAL

Unit of Issue: GL UI Container Qty: 0 Type of Container: BULK

Ingredients

Cas: 7727-37-9

RTECS #: QW9700000 Name: NITROGEN % Wt: &at:99.99

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED ACGIH TLV: ASPHYXIANT; 9596

Health Hazards Data

LD50 LC50 Mixture: NOT RELEVANT

Route Of Entry Inds - Inhalatio

n: YES Skin: NO Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO OSHA: NO

Effects of Exposure: TARGET ORGANS:RESPIRATORY SYSTEM. ACUTE- NITROGEN IS NONTOXIC BUT CAN PRODUCE SUFFOCATION BY DISPLACING OXYGEN. PROLONGED INHALATION OF HIGH CONCENTRATIONS CAN CAUSE UNCONSCIOUSNESS, CONVULSIVE MOVEME NTS, POSSIBLE DEATH. THIS PRODUCT IS A GAS. CANNOT BE SWALLOWED OR CONTACTED. CHRONIC- NONE.

Explanation Of Carcinogenicity: NONE

Signs And Symptions Of Overexposure: DIZZINESS, TIGHTNESS IN

FRONTAL AREA OF

FOREHEAD, TINGLING OF TONGUE, FINGERTIPS OR TOES, WEAKENED SPEECH LEADING TO INABILITY TO UTTER SOUNDS; RAPID REDUCTION IN ABILITY TO PERFORM MOVEMENTS, REDUCED CONSCIOUSNESS OF SURROUNDINGS, RINGINGIN EARS, HEADACHE, NAUSEA, VOMITING, BLUE SKIN COLOR, UNCONSCIOUSNESS, DEATH

Medical Cond Aggravated By Exposure: UNKNOWN

First Aid: PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE. RESCUE PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS. INHALE

D:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. EYE/SKIN /ORAL:UNLIKELY (GAS)

Handling and Disposal

Spill Release Procedures: EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. VENTILATE AREA. IF LEAK IS FROM CYLINDER OR ITS VALVE, CONTACT YOUR SUPPLIER. THE ATMOSPHERE MUST HAVE AT LEAST 19.5% O XYGEN BEFORE PERSONNEL CAN BE ALLOWED IN THE ARE

A.

Neutralizing Agent: NOT RELEVANT

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH ANY VALVE OR CAP S SECURED TO YOUR SUPPLIER FOR PROPER DISPOSAL.

Handling And Storage Precautions: STORE CYLINDERS UPRIGHT, SECURE, IN COOL, DRY, VENTILATED AREA BELOW 125F. PROTECT FROM PHYSICAL DAMAGE. FULL & EMPTY CYLINDERS SHOULD BE SEGRE

GATED.

Other Precautions: BE AWARE THAT EXPOSURES TO FATAL CONCENTRATIONS OF NITROGEN COULD OCCUR WITHOUT ANY SIGNIFICANT WARNING SYMPTOMS. USE A "FIRST IN-FIRST OUT" INVENTORY SYSTEM. CLOSE VALVE AFTER EACH USE AND WHEN EMPTY.

Fire and Explosion Hazard Information

Flash Point Text: NONE

Lower Limits: NOT RELEVANT Upper Limits: NOT RELEVANT

Extinguishing Media: USE WATER FOG, CAR BON DIOXIDE, FOAM, OR DRY CHEMICAL FOR

SURROUNDING FIRE. KEEP FIRE-EXPOSED CYLINDERS COOL WITH WATER. Fire Fighting Procedures: AS WITH ANY FIRE, WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS IF NEEDED.

Unusual Fire/Explosion Hazard: CONTAINER MAY RUPTURE.

Control Measures

Respiratory Protection: IF OXYGEN LEVEL IS BELOW 19.5%, USE NIOSH-APPROVED

SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR RESPIRATOR, OPERATED IN POSITIVE PRESSURE MODE.

Ventilation: ADEQUATE

Protective Gloves: LEATHER WHEN HANDLING CYLINDERS Eye Protection: GOGGLES/GLASSES RECOMMENDED

Other Protective Equipment: SAFETY SHOES WHEN HANDLING CYLINDERS

Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND

RECOMMENDED PROCEDURES.

Physical/Chemical Properties

_____ HCC: G3 NRC/State LIC No: NOT RELEVANT B.P. Text: -320F,-196C M.P/F.P Text: -346F,-210C Vapor Pres: UNKNOWN Vapor Density: 0.906 Spec Gravity: NOT RELEVANT Viscosity: NOT RELEVANT Evaporation Rate & Evaporation R Solubility in Water: 0.023% @ 32F/0C Appearance and Odor: COLORLESS, ODORLESS GAS Percent Volatiles by Volume: 100 _____ Reactivity Data Stability Indicator: YES Stability Condition To Avoid: HEATING CYLINDER, DIRECT FLAME CONTACT Materials To Avoid: TITANIUM (WILL BURN IN NITROGEN), LITHIUM (SLOWLY REACTS) Hazardous Decomposition Products: NONE Hazardous Polymerization Indicator: NO Conditions To Avoid Polymerization: NOT RELEVANT _____ Toxicological Information ______ Ecolog ical Information ______ MSDS Transport Information _____ ______ Regulatory Information ______ _____ Other Information ______ ______ ______ Transportation Information _____ Responsible Party Cage: 18197 Trans ID NO: 66386 Product ID: NITROGEN MSDS Prepared Date: 05/07/1997 Review Date: 02/10/1998 MFN: 1 Radioactivity: NOT RELEVANT Net Unit Weight: 133 LBS Multiple KIT Number: 0 Review IND: Y Unit Of Issue: GL Container QTY: 0 Type Of Container: BULK Additional Data: PROPER SHIPPING NAME, HAZARD CLASS, UN ID NUMBER PER MSDS.

Detail DOT Information _____ DOT PSN Code: KLZ DOT Proper Shipping Name: NITROGEN, COMPRESSED Hazard Class: 2.2 UN ID Num: UN1066 Label: NONFLAMMABLE GAS Packaging Exception: 306 Non Bulk Pack: 302 Bulk Pack: 314,315 Max Qty Pass: 75 KG Max Qty Cargo: 150 KG Vessel Stow Req: A _____ Detail IMO Information _____ MO PSN Code: KSR IMO Proper Shipping Name: NITROGEN, COMPRESSED IMDG Page Number: 2163 UN Number: 1066 UN Hazard Class: 2(2.2) IMO Packaging Group: -Subsidiary Risk Label: -EMS Number: 2-04 MED First Aid Guide NUM: NON _____ **Detail IATA Information** _____ IATA PSN Code: SBP IATA UN ID Num: 1066 IATA Proper Shipping Name: NITROGEN, COMPRESSED IATA UN Class: 2.2 IATA Label: NON-FLAMMABLE GAS Packi ng Note Passenger: 200 Max Quant Pass: 75KG Max Quant Cargo: 150KG Packaging Note Cargo: 200 ______ Detail AFI Information _____ AFI PSN Code: SBP AFI Proper Shipping Name: NITROGEN, COMPRESSED

AFI Hazard Class: 2.2 AFI UN ID NUM: UN1066 Special Provisions: P5

Back Pack Reference: A6.3. A6.6

HAZCOM Label

Product ID: NITROGEN

Cage: 18197

Company Name: LIQUID AIR CORP

Street: 2121 N CALIFORNIA BLVD, STE 296

City: WALNUT CREEK CA

Zipcode: 94596

Health Emergency Phone: 713-868-0440/800-424-9300(CHEMTREC)

Label Required IND: Y

Date Of Label Review: 02/10/1998

Status Code: C

MFG Label NO: UNKNOWN Label Date: 02/10/1998 Origination Code: F Signal Word: WARNING Health Hazard: Moderate Contact Hazard: None Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: RESPIRATORY SYSTEM. ACUTE- NITROGEN IS

NONTOXIC BUT CAN PRODUCE SUFFOCATION BY DISPLACING OXYGEN. PROLONGED INHALATION CAN CAUSE UNCONSCIOUSNESS, CONVULSIVE MOVEMENTS, POSSIBLE DEATH. CA NNOT BE SWALLOWED/CONTACTED. CHRONIC- NONE. STORE IN COOL, VENTILATED AREA. IF LEAK IS FROM CYLINDER/ITS VALVE, CONTACT YOUR SUPPLIER. ATMOSPHERE MUST HAVE AT LEAST 19.5% OXYGEN BEFORE PERSONNEL CAN B E ALLOWED IN. FIRST AID- PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE. RESCU

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ation regardless of similarity to a corresponding Department of Defense or other government situation.