

LIQUID CARBONIC -- COMPRESSED AIR

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MSDS Safety Information
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FSC: 6830
NIIN: 00-782-2638
MSDS Date: 04/01/1992
MSDS Num: BFPGR
Product ID: COMPRESSED AIR
MFN: 01
Responsible Party
Cage: 36517
Name: LIQUID CARBONIC
Address: 135 SOUTH LA SALLE STREET
City: CHICAGO IL 60603-4282
Inf
o Phone Number: 312-855-2500
Emergency Phone Number: 312-855-2500
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 36517
Name: LIQUID CARBONIC CORP
Address: 135 S LA SALLE STREET
City: CHICAGO IL 60603-4101
Phone: 312-855-2500

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Item Description Information
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Item Name: COMP
RESSED AIR,BREATHING
Specification Number: BB-A-1034
Type/Grade/Class: A GRADE, SOURCE I
Unit of Issue: CY
Quantitative Expression: 00000000236CF
UI Container Qty: 1
Type of Container: CYLINDER

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Ingredients
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RTECS #: AX5271000
Name: AIR, REFRIGERATED LIQUID; AIR COMPRESSED (UN1002, DOT); AIR REFRIGERATED
LIQUID (CRYOGENIC LIQUID) (UN1003) (DOT)
% Wt: 99+
Other REC Limits: NOT ESTABLIS

HED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

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Health Hazards Data
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LD50 LC50 Mixture: ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation: NO

Skin: NO

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: NONE SPECIFIED BY MANUFACTURER.

Explanation Of Carcinogenicity: NOT CARCINOGENIC.

Signs And Symptoms Of Overexposure: AIR IS NON-TOXI

C AND NECESSARY TO SUPPORT

LIFE. INHALATION OF AIR IN HIGH PRESSURE ENVIRONMENT CAN RESULT IN SYMPTOMS SIMILAR TO OVEREXPOSURE TO PURE OXYGEN. THESE INCLUDE TINGLING OF FINGERS, IMPAIRED COORDINATION, AND CONFUSION. DECOMPRESSION SICKNESS PAINS (BENDS) ARE POSSIBLE FOLLOWING RAPID DECOMPRESSION.

Medical Cond Aggravated By Exposure: PERSONS IN ILL HEALTH WHERE SUCH ILLNESS WOULD BE AGGRAVATED BY EXPOSURE TO COMPRESSED AIR SHOULD NOT BE ALLOWED TO WORK WITH OR HANDLE THIS RODUCT.

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t Aid: FACILITIES OR PRACTICES AT WHICH AIR IS BREATHED IN A HIGH PRESSURE ENVIRONMENT SHOULD BE PREARED TO DEAL WITH THE ILLNESSES ASSOCIATED WITH DECOMPRESSION (BENDS OR CAISSON ISEASE). DECOMPRESSION EQUI PMENT MAY BE REQUIRED.

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Handling and Disposal
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Waste Disposal Methods: NONE SPECIFIED BY MANUFACTURER.

Handling And Storage Precautions: PROTECT AGAINST PHYSICAL DAMAGE. STORE IN

DRY, COOL, VENTILATED AREA. DO NOT EXCEED 130F. DO NOT STORE NEAR FLAMMABLE OR TOXIC GASES.

Other Precautions: STORE UPRIGHT & SECURED. KEEP OIL & GREASE AWAY. USE ONLY DOT OR ASME CODED CONTAINERS. USE CHECK VALVE OR TRAP IN DISCHARGE LINE TO PREVENT BACKFLOW. CYLINDERS MUST NOT BE RECHARGED EXCEPT BY OR WITH CONSENT OF LIQUID CARBONIC.

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Fire and Explosion Hazard Information
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Extinguishing Media: NON FLAMMABLE GAS.

Fire Fighting Procedures: IF CYLINDERS ARE INVOLVED IN A FIRE, SAFELY RELOCATE OR KEEP COOL WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: COMPRESSED AIR AT HIGH PRESSURE WILL ACCELERATE THE BURNING OF MATERIALS TO A GREATER RATE THAN THEY BURN AT ATMOSPHERIC PRESSURE.

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Control Measures

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Protective Gloves: ANY MATERIAL.

Eye Protection:

SAFETY GOGGLES OR GLASSES.

Other Protective Equipment: SAFETY SHOES

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Physical/Chemical Properties

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HCC: G3

B.P. Text: -318F,-194C

Vapor Pressure: 760

Vapor Density: 1

Spec Gravity: 0.876 @B.P.

Solubility in Water: 0.2%

Appearance and Odor: COLORLESS & ODORLESS GAS

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Reactivity Data

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Stability Indicator: YES

Stability Condition To Avoid: AVOID USE OF OIL IN HIGH PRESSURE CYLINDERS.

Hazardous Polymerization Indicator: NO

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Toxicological Information

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Ecological Information

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MSDS Transport Information

Information

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Regulatory Information

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Other Information

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Transportation Information

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Responsible Party Code: 36517

Trans ID NO: 85372
Product ID: COMPRESSED AIR
MSDS Prepared Date: 04/01/1992
Review Date: 04/18/1988
MFN: 1
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: CY
Container QTY: 1
Type Of Container: CYLINDER

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Detail DOT Information
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DOT PSN Code: AGJ
DOT Proper Shipping Name: AIR, COMPRESSED
Hazard Class: 2.2
UN ID Num: UN1002
Label: NONFLAMMABLE GAS
Special Provision: 78
Packaging Exc
option: 306
Non Bulk Pack: 302
Bulk Pack: 302
Max Qty Pass: 75 KG
Max Qty Cargo: 150 KG
Vessel Stow Req: A

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Detail IMO Information
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IMO PSN Code: ALN
IMO Proper Shipping Name: AIR, COMPRESSED
IMDG Page Number: 2103
UN Number: 1002
UN Hazard Class: 2(2.2)
IMO Packaging Group: -
Subsidiary Risk Label: -
EMS Number: 2-04
MED First Aid Guide NUM: NON

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Detail IATA Information

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IATA PSN Code: AOP
IATA UN ID Num: 1002
IATA Proper Shipping Name: AIR, COMPRESSED
IATA UN Class: 2.2
IATA Label: NON-FLAMMABLE GAS
Packing Note Passenger: 200
Max Quant Pass: 75KG
Max Quant Cargo: 150 KG
Packaging Note Cargo: 200
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Detail AFI Information

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AFI PSN Code: AOP
AFI Proper Shipping Name: AIR, COMPRESSED
AFI Hazard Class: 2.2
AFI UN ID NUM: UN1002
AFI Packing Group: -
Special Provisions: P5
Back Pack Reference: A6.3, A6.6
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HAZCOM Label

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Product ID: COMPRESSED AIR
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: 04/02/1996
96
Status Code: C
Label Date: 04/02/1996
Origination Code: F
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: WARNING
Health Hazard: Moderate
Contact Hazard: None
Fire Hazard: None
Reactivity Hazard: None
Hazard And Precautions: PROTECT AGAINST PHYSICAL DAMAGE. STORE IN DRY, COOL, VENTILATED AREA. DO NOT EXCEED 130F. DO NOT STORE NEAR FLAMMABLE OR TOXIC GASES. COMPRESSED AIR AT HIGH PRESSURE WILL ACCELERATE THE BURNING OF MATERIALS TO A GREATER RATE THAN

THEY BURN AT ATMOSPHERIC PRESSURE. IN CASE OF
SPILL: N/A FIRST AID: FACILITIES OR PRACTICES AT WHICH AIR IS BREATHED IN A
HIGH PRESSURE ENVIRONMENT SHOULD BE PREPARED TO DEAL WITH THE ILLNESSES
ASSOCIATED WITH DECOMPRESSION (BENDS OR CAISSON DISEASE). DECOMPRESSION
EQUIPMENT MAY BE REQUIRED.

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