

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  
Info 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: C  
OMPRESSED 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 ESTAB

LISHED  
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-T

OXIC 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.

F

irst 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. STO

RE 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 Pres: 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 In  
formation  
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Regulatory Information  
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Other Information  
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Transportation Information  
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Responsible Party Cage: 36

517  
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  
Exception: 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  
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  
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