

AIRCO INC, AIRCO INDUSTRIAL GASES DIV. -- CARBON DIOXIDE, REFRIGERATED LIQUID --  
6830-00-292-0142

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===== Product Identification =====

Product ID:CARBON DIOXIDE, REFRIGERATED LIQUID

MSDS Date:08/09/1989

FSC:6830

NIIN:00-292-0142

MSDS Number: BDVNZ

=== Responsible Party ===

Company Name:AIRCO INC, AIRCO INDUSTRIAL GASES DIV.

Address:575 MOUNTAIN AVE

City:MURRAY HILL

State:NJ

ZIP:07974-2006

Country:U

S

Info Phone Num:201-464-8100

Emergency Phone Num:800-424-9300

CAGE:00741

=== Contractor Identification ===

Company Name:AIRCO INC, AIRCO INDUSTRIAL GASES DIV.

Address:575 MOUNTAIN AVE

Box:City:MURRAY HILL

State:NJ

ZIP:07974-2006

Country:US

Phone:800-424-9300(CHEMTREC)

CAGE:00741

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===== Composition/Information on Ingredients =====

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: 100%

Other REC Limits:5000PPM(TWA)

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/300

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION:CARBON DIOXIDE IS THE MOST  
POWERFUL CEREBRAL VASODILATOR KNOWN. INHALATION OF LARGE  
CONCENTRATIONS CAUSE RAPID CIRCULATORY INSUFFICIENCY LEADING TO  
COMA AND DEATH. SKIN:CONTACT WITH CRYOGEN IC LIQUID CAN CAUSE  
TISSUE FREEZING OR FROSTBITE AND CRYOGEN  
IC BURNS.  
Effects of Overexposure:INHALATION:INCREASED RESPIRATION, HEADACHE,  
NAUSEA AND VOMITING, WHICH MAY LEAD TO UNCONSCIOUSNESS.  
SKIN:FROSTBITE AND CRYOGENIC "BURNS."  
Medical Cond Aggravated by Exposure:NONE NOTED

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===== First Aid Measures =====

First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF  
OVEREXPOSURE OF CARBON DIOXIDE. INHALATION:REMOVE TO FRESH AIR.  
GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NECESSARY. TREAT AREAS  
  
EXPOSED TO FROSTBI TE. SKIN:FLUSH AFFECTED AREA WITH TEPIDWATER. DO  
NOT USE HOT WATER. EYES:\*DO NOT FLUSH THE EYES WITH HOT OR EVEN  
TEPID WATER. OPEN EYELIDS AND ALLOW LIQUID TO EVAPORATE.

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===== Fire Fighting Measures =====

Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE

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===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA.USE  
APPROPRIATE P  
ROTECTIVE EQUIPMENT.PROVIDE VENTILATION.PERSONNEL  
SHOULD AVOID CONTACT WITH VERY COLD MATERIALS OR EXCESSIVE  
INHALATION OF GAS.

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===== Handling and Storage =====

Handling and Storage Precautions:VESSELS SHOULD NOT BE INSTALLED IN  
SUB-SURFACE OR CLOSED AREA.CO\*2 IS HEAVR THAN AIR AND LEAKING GAS  
COULD ACCUMULATE IN LOW AREAS AND CAUSE SUFFOCATN  
Other Precautions:DRY CO\*2 CAN BE HANDLED W.MOST COMMON STRUCTURAL  
MTLS.MOIST CO\*2 IS CORROSIVE,US

E STAINLESS STEEL.AT

LIQ.TEMPS.PLASTICS MAY EMBRITTLE.CO\*2 VESSELS SHOULD NOT BE  
REFILLED EXCEPT BY QUALIFIED PRODUCERS OF COMPRESSED GASES.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:POSITIVE PRESSURE AIR LINE WITH FULL FACEPIECE  
AND ESCAPE AIR SUPPLY OR SCBA SHOULD BE AVAILABLE FOR EMERGENCY  
USE.

Ventilation:LOCAL EXHAUST TO PREVENT ACCUMULATION ABOVE TWA.

Protective Gloves:LOOSE FITTING INSULATED

Eye Protection:SAFETY GOGGLES,  
GLASSES

Other Protective Equipment:SAFETY SHOES

Work Hygienic Practices:STANDARD PRACTICE

Supplemental Safety and Health

BOILING POINT:-78.5C/VAP.PRESS:856PSIA@70F.HEALTH HAZ.CONT'D:FROSTBITE  
EFFECTS ARE A CHANGE IN THE COLOR OF THE SKIN TO GRAY OR WHITE  
POSSIBLY FOLLOWED BY BLISTERING.

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

HCC:G3

Boiling Pt:B.P. Text:-109.3F

Vapor Pres:856 PSIA

Spec Gravity:1.65

Solubility in Water:VERY SOLUBLE

Appearance and Odor:COLORL

ESS,ODORLESS GAS. WATER WHITE LIQUID.

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:HEAT

Hazardous Decomposition Products:NONE

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===== Disposal Considerations =====

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED  
QUANTITIES.RETURN TO AIRCO FOR PROPER DISPOSAL.

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