

NATIONAL WELDERS -- CARBON DIOXIDE -- 6830-00-292-0142

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Product Identification
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Product ID:CARBON DIOXIDE

MSDS Date:04/01/1996

FSC:6830

NIIN:00-292-0142

MSDS Number: BPYHG

=== Responsible Party ===

Company Name:NATIONAL WELDERS

Address:810 GESCO

Box:31007

City:CHARLOTTE

State:NC

ZIP:28231

Country:US

Info Phone Num:704-333-5475

Emergency Phone Num:800-866-4422,800-424-9300(CHEMTREC)

CAGE

:18264

=== Contractor Identification ===

Company Name:NATIONAL WELDERS SUPPLY CO INC

Address:810 GESCO ST

Box:31007

City:CHARLOTTE

State:NC

ZIP:28231

Country:US

Phone:704-333-5475

CAGE:18264

Company Name:UNION CARBIDE CORP, LINDE DIV, SALES OFFICE

Address:308 HARPER DR

Box:City:MOORESTOWN

State:NJ

ZIP:08057-3208

Country:US

Phone:609-778-6200

CAGE:1A891

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Composition/Information on Ingredients
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Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Other REC Limits

:NONE RECOMMENDED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;93

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:CARBON DIOXIDE IS AN ASPHYXIANT. LOW CONCENTRATIONS CAUSE INCREASED RESPIRATION AND HEADACHES. HIGH CONCENTRATIONS CAUSE HEADACHE, NAUSEA, VOMITING, RAPID CIRCULATORY INSUFFICIENCY LEADING TO COMA AND DEATH.
Explanation of Carcinogenicity:CARBON DIOXIDE IS NOT LISTED AS A CARCINOGEN BY THE NTP, OSHA OR IARC. THIS MATERIAL IS RELITEVELY INERT.
Effects of Overexposure:DEPENDS ON THE DEGREE AND DURATION OF OXYGEN DEFICIENCY. SYMPTOMS OF OVEREXPOSURE INCLUDE HEADACHE, DIZZINESS, SHORTNESS OF BREATH, MUSCULAR WEAKNESS, RINGING IN THE EARS, AND ASPHYXIATION. HIGH CONCE NTRATIONS PRODUCE A FAINT ACIDIC TASTE.CONTACT WITH LIQUID OR SOLID CO2 CAN PRODUCE FROSTBITE AND FREEZE BURNS

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR. IF BREATHING DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION. RESCUERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE MASK. CONTAC T WITH LIQUID/SOLID: FLUSH AREA WITH TEPID WATER TO REDUCE FREEZING OF TISSUE. DO NOT APPLY HEAT. LOOSELY APPLY DRY, STERILE, BU LKY DRESSINGS TO PROTECT AREA FROM INFECTION. GET MEDICAL ATTENTION.

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

Extinguishing Media:NON-FLAMMABLE, INERT GAS.
Fire Fighting Procedures:NONE.
Unusual Fire/Explosion Hazard:IF CYLINDERS ARE INVOLVED IN A FIRE, SAFELY RELOCATE OR KEEP COOL WITH WATER SPRAY.

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

Spill Release Procedures:EVACUSTE ALL PERSONNEL FROM AFFECTED AREA. USE APPROIATE PROT

ECTIVE EQUIPMENT. IF LEAK IS IN USERS EQUIPMENT, BE
CERTAIN TO PURGE PIPING WITH AN INERT GAS PRIOR TO ATTEMPTING
REPAIRS. IF LEAK IS IN C ONTAINER, CONTACT YOUR CLOSEST
SUPPLIERLOCATION.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:PROTECT CYLINDERS FROM PHYSICAL
DAMAGE. STORE IN COOL, DRY, WELL VENTILATED AREA AWAT FROM HEAVILY
TRAFFICKED AREAS & EMERGENCY EXITS.

Other Precautions:D

DO NOT ALLOW THE TEMPERATURE WHERE CYLINDERS ARE
STORED TO EXCEED 130F. STORE CYLINDERS IN AN UPRIGHT POSITION. USE
A FIRST IN - FIRST OUT INVENTORY SYSTEM. USE ONLY IN A WELL
VENTILATED AREA.

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

Respiratory Protection:PROVIDE AIR-SUPPLIED OR SELF-CONTAINED BREATHING
EQUIPMENT FOR EMERGENCY OR NONROUTINE SITUATIONS WHERE THE LEVEL OF
CARBON DIOXIDE IS EXCESSIVE.

Ventilation:PROVIDE ADEQUATE GENERAL & LOCAL EXHA
UST VENTILATION TO
PREVENT OXYGEN DEFICIENCY.

Protective Gloves:ANY MATERIAL.

Eye Protection:SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:SAFETY SHOES.

Work Hygienic Practices:KEEP SAFETY VALVES IN GOOD WORKING CONDITIONS.

Supplemental Safety and Health

CLOSE VALVE WHEN NOT IN USE AND WHEN EMPTY. CARBON DIOXIDE, BEING
HEAVIER THAN AIR, TENDS TO ACCUMULATE NEAR THE FLOOR OF AN ENCLOSED
SPACE, CREATING AN OXYGEN DEFFICIENT ATMOSPHERE. VENTILATE BEFORE
ENTRY. VERIFY SUFFIC
IENT OXYGEN BEFORE ENTRY.

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

HCC:G3

Boiling Pt:B.P. Text:-109F,-79C

Melt/Freeze Pt:M.P/F.P Text:-70F,-57C

Vapor Pres:856 PSIA

Vapor Density:.124LB/FT3

Spec Gravity:1.65

Solubility in Water:VERY SOLUBLE

Appearance and Odor:COLORLESS, ODORLESS GAS AT NORMAL TEMPERATURE AND
PRESSURE.

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid

:NONE.

Hazardous Decomposition Products:CARBON MONOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED & VALVE PROTECTION CAPS IN PLACE TO YOUR SUPPLIER.

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