

CHEMTRON FIRE SYSTEMS CARDOX DIVISION -- CARBON DIOXIDE -- 4210-01-174-9474

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

Product ID:CARBON DIOXIDE

MSDS Date:01/01/1987

FSC:4210

NIIN:01-174-9474

MSDS Number: BNWDC

=== Responsible Party ===

Company Name:CHEMTRON FIRE SYSTEMS CARDOX DIVISION

Address:5230 S EAST AVENUE

City:COUNTRYSIDE

State:IL

ZIP:60525

Country:US

Info Phone Num:312-482-8400

Emergency Phone N

um:312-482-8400

CAGE:2F123

=== Contractor Identification ===

Company Name:CHEMETRON FIRE SYSTEMS

Address:1000 GOVERNORS HWY

Box:City:UNIVERSITY PARK

State:IL

ZIP:60466

Country:US

Phone:312-534-1000

CAGE:07464

Company Name:CHEMTRON FIRE SYSTEMS CARDOX DIVISION

Address:5230 S EAST AVENUE

Box:City:COUNTRYSIDE

State:IL

ZIP:60525

Country:US

Phone:312-482-8400

CAGE:2F123

Company Name:KEYSTONE FIRE PROTECTION CO.

Address:108 PARK DRIVE, SUITE 3

Box:City:MONTGOMERYVILLE

State:PA

ZIP:18936

Country:US

Pho

ne:215-641-0100/ FAX 215-641-9638
CAGE:1U693
Company Name:KIDDE FENWAL INC
Address:400 MAIN ST
Box:City:ASHLAND
State:MA
ZIP:01721-2150
Country:US
Phone:508-881-2000
CAGE:0KDP7

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

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

LD50 LC50 Mixture:l
NHAL RAT LCLO= 657190 PPM/15 MINUTES
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION OF VAPORS MAY CAUSE
ASPHYXIATION. CONTACT WITH LIQUID OR SOLID MAY CAUSE FROSTBITE
BURNS TO SKIN OR EYES.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:INHALATION: HEADACHE, DIZZIN
ESS, DROWSINESS,
UNCONSCIOUSNESS. SKIN: PAIN, BLISTERS, BURNS, REDNESS. EYES: PAIN,
BLURRED VISION, TEARING.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALED: REMOVE PERSON TO FRESH AIR. GIVE OXYGEN IF BREATHING
DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF BREATHING STOPPED.
EYES/SKIN: GET IMMEDIATE MEDICAL ATTENTION. TREAT FOR FROSTBITE PER
DOCTORS I NSTRUCTIONS.

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Fire Fighting Measures
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Flash Point:NONE

Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:EXPOSURE TO FIRE OR HIGH TEMPERATURES MAY CAUSE CYLINDER TO BURST.

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Accidental Release Measures
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Spill Release Procedures:VENTILATE AREA. STOP LEAK IF POSSIBLE, IF NOT, LET MATERIAL GO TO ATMOSPHERE AND THEN HAVE LEAK REPAIRED.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:STORE AWAY FROM SOURCES OF HEAT, IN A WELL VENTILATED AREA. AVOID MISHANDLING OF CYLINDERS.

Other Precautions:NONE

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Exposure Controls/Personal Protection
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Respiratory Protection:NONE NORMALLY REQUIRED.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:INSULATED RECOMMENDED

Eye Protection:SAFETY GLASSES RECOMMENDED

Other Protective Equipment:NONE NORMALLY REQUIRED.

Work Hygienic Practices:WASH HANDS AFTER HANDLING.

Supplemental Safety and Health

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Physical/Chemical Properties
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HCC:G3

Boiling Pt:B.P. Text:-70F,-57C

Vapor Density:1.53

Spec Gravity:1.02

Solubility in Water:SLIGHT

Appearance and Odor:ODORLESS, COLORLESS VAPOR/LIQUID; SOLID IS WHITE.

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid: YES

ACRYLALDEHYDE, AZIRIDINE, DICAESIUM OXIDE, METAL ACETYLIDES, METALS,
SODIUM PEROXIDE

Stability Condition to Avoid: HIGH TEMPERATURES OR FIRE.

Hazardous Decomposition Products: CARBON MONOXIDE AT EXTREMELY HIGH
TEMPERATURES

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

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iling agencies):

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