

CHEMETRON FIRE SYSTEMS, INC. -- CARBON DIOXIDE,FIRE EXTINGUISHER SYSTEM PRE --
4210-00-251-7491

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

Product ID:CARBON DIOXIDE,FIRE EXTINGUISHER SYSTEM PRE

MSDS Date:08/31/1988

FSC:4210

NIIN:00-251-7491

MSDS Number: BKBWM

=== Responsible Party ===

Company Name:CHEMETRON FIRE SYSTEMS, INC.

Address:1000 GOVERNOR'S HIGHWAY

City:UNIVERSITY PARK

State:IL

ZIP:60466

Country

:US

Info Phone Num:312-534-1000

Emergency Phone Num:312-534-1000

Preparer's Name:DGSC-SSH

CAGE:07464

=== Contractor Identification ===

Company Name:ASCOA FIRE SYSTEMS

Address:1000 EAST EDGERTON ROAD

Box:City:CLEVELAND

State:OH

ZIP:44130

Country:US

Phone:216-526-8980 FAX:216-838-5137

CAGE:0FY71

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

===== Composition/Information on Ingredients =

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Ingred Name:CARBON DIOXIDE
CAS:124-38-9
RTECS #:FF6400000
Other REC Limits:NONE SPECIFIED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;93

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE/CHRONIC:NOT RELEVANT
Effects of Overexposure:SEE HEALTH HAZARDS SECTION.
Medical Cond Aggravated by Exposure:NOT RELEVANT

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

First Aid:IN THE EVENT OF PHYSICAL INJURY, TAKE APPROPRIATE FIRST AID OR MEDICAL MEASURES.

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

Flash Point:NONE
Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Unusual Fire/Explosion Hazard:CO2 IS A NON-FLAMMABLE INERT GAS.
HOWEVER, EXPOSURE TO FIRE OR SEVERE OVERHEATING CAN CAUSE CARBON DIOXIDE CYLINDERS TO BURST.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. PROVIDE VENTILATION TO AREA AND AVOID CONTACT WITH SOLID OR LIQUID AND EXCESSIVE INHALATION OF VAPOR. VALVE OFF CARBON DIOXIDE SUPPLY FROM LEAKING OR BROKEN COMPONENTS.
Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, VENTILATED PLACE. DO NOT

T INSTALL STORAGE VESSELS IN SUB SURFACE,CLOSED AREA OR NEAR HEAT/FLAME.

Other Precautions:AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES OR SKIN. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:POSITIVE PRESSURE AIR LINE WITH FULL FACE PIECE AND ESCAPE AIR SUPPLY OR SELF CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Venti

lation:SUFFICIENT TO PREVENT ACCUMULATION ABOVE TLV. LOCAL EXHAUST SHOULD BE LOCATED NEAR THE FLOOR.

Protective Gloves:INSULATED AND COLD RESISTANT

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:G3

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:DIRECT HEAT AND SEVERE IMPACT TO PRESSURIZE CYLINDER

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:CONTAMINATED AREA SHOULD BE VENTILATED THOROUGHLY. SOLID CARBON DIOXIDE SHOULD BE REMOVED OUT OF DOORS AND ALLOWED TO SUBLIMATE.

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to their
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