

GENERAL FIRE EXTINGUISHER CORP -- CARBON DIOXIDE, REFRIGERATED LIQUID, 35645 --  
4210-00-202-7858

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

Product ID:CARBON DIOXIDE, REFRIGERATED LIQUID, 35645

MSDS Date:01/01/1988

FSC:4210

NIIN:00-202-7858

MSDS Number: BRPBZ

=== Responsible Party ===

Company Name:GENERAL FIRE EXTINGUISHER CORP

Address:1685 SHERMER RD

City:NORTHBROOK

State:IL

ZIP:60062-5315

Country:US

In  
fo Phone Num:708-272-7500 / FAX 708-272-7286

Emergency Phone Num:708-272-7500

Preparer's Name:DGSC-SSH

CAGE:99539

=== Contractor Identification ===

Company Name:GENERAL FIRE EXTINGUISHER CORP

Address:1685 SHERMER RD

Box:City:NORTHBROOK

State:IL

ZIP:60062-5315

Country:US

Phone:(708) 847-272-7500; 847-272-7500

CAGE:99539

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

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: 99.9%

Other REC Limits:TRANS PEL:

5000 PPM  
OSHA PEL:5000 PPM  
ACGIH TLV:5000PPM/30000STEL;93

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHAL:VAP IN CONCS OF 3-5% BY VOLUME  
IN AIR CAUSES INCR RESPIRATION/HDCH; 8-15% CONCS CAUSE HDCH,  
NAUSEA, VOMIT, MAY LEAD TO UNCON IF NOT MOVED TO OPEN AIR OR GIVEN  
O2;  
HIGHER CONCS CAUSE RAPID CIRCUL ATORY INSUFFICIENCY LEADING TO  
COMA & DEATH. PHYSICAL CNTCT W/ LIQUIFIED/SOLID CO2 CAN CAUSE  
FROSTBITE OR FREEZE BURNS  
Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS  
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.  
Effects of Overexposure:ASPHYXIATION HAZARD. MAY CAUSE FROSTBITE IF  
CONTACTS TISSUE.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

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First Aid:INHAL:REMOVE TO FRESH AIR. SUPPORT BRTHG (GIVE O2/ARTF RESP)  
CALL MD. EYE:IMMED FLUSH W/TEPID WATER IN LARGE QUANTITIES OR  
W/STERILE SALINE SOLUTION AT LEAST 15 MIN. GET MD. SKIN:FLUSH  
AFFECTED AREA W /LUKEWARM WATER. DO NOT USE HOT WATER. SEE MD  
PROMPTLY IF CNTCT RESULTED IN BLISTERING OF DERMAL SURFACE OR DEEP  
TISSUE FREEZING. PROMPT MED ATTN MANDATORY. RESCUE PERSONNEL SHOULD  
HAVE SCBA.

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

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Flash Point:NONFLAMMABLE  
Extinguishing Media:NONFLAMMABLE. ITEM IS A FIRE EXTINGUISHER. USE  
MEDIA SUITABLE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:NONFLAMMABLE. USE PROCEDURES SUITABLE FOR  
SURROUNDING FIRE.  
Unusual Fire/Explosion Hazard:NONE. CO2 IS NON-FLAMM INERT GAS. EXPOS  
TO FIRE/SEVERE OVERHEATING CAN CAUSE CO2 CYL TO BURST. BULK LIQ  
STOR CNTNRS PRESSURIZED. CONSULT MFR/ (SEE SUPP DATA)

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

Spill Release Procedures:EVACUATE ALL PERSONNEL. USING APPROP PROT EQUIP, PROVIDE VENT TO AREA/AVOID CNTCT W/SOLID,LIQ & EXCESSIVE INHAL OF VAP. VALVE OFF CO2 SUPPLY FROM LEAKING/BROKEN COMPONENTS. DO NOT RE-ENTER AREA UNTIL TLV REQUIREMENTS ARE MET.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PROVIDE GEN/LOCAL EXHAUST VENT TO MEET TLV REQUIREMENTS. PROVIDE NIOSH/MSHA APP RVD SUPPLIED AIR/SCBA FOR USE ABOVE TLV EXPOSURE.

Other Precautions:DO NOT INSTALL STORAGE VESSELS IN SUB SURFACE OR CLOSED AREAS, OR NEAR EXCESSIVE HEAT OR FLAME.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED POSITIVE PRESSURE AIR LINE W/FULL FACEPIECE & ESCAPE AIR SUPPLY OR NIOSH/MSHA APPROVED SCBA SHOULD BE AVAILABLE FOR EMERGENCY USE.

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

Protective Gloves:INSULATED & COLD RESISTANT GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

MSDS PREPARED BY DGSC-SSH FROM OTHER MSDS CURRENTLY IN HMIS FOR GIVEN PART NUMBER.

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

HCC:G3

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

Melt/Freeze Pt:M.P/F.P Te

xt:-109F,-79C

Vapor Pres:SUPP DATA

Spec Gravity:1.65

Solubility in Water:1 TO 1 @60F

Appearance and Odor:COLORLESS, ODORLESS GAS; MILKY WHITE SOLID; WATER WHITE LIQUID.

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:CONTAMINATED AREA SHOULD BE VENTILATED

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HOROUGHLY. SOLID CARBON DIOXIDE SHOULD BE REMOVED OUT OF DOORS AND ALLOWED TO SUBLIMATE. DISPOSE I/A/W FEDERAL, STATE AND LOCAL REGULATIONS.

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