

BUCKEYE FIRE EQUIPMENT CO -- CARBON DIOXIDE (CO2) -- 4210-00-202-7858

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Product Identification  
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Product ID:CARBON DIOXIDE (CO2)  
MSDS Date:12/01/1990  
FSC:4210  
NIIN:00-202-7858  
MSDS Number: BHJFL  
=== Responsible Party ===  
Company Name:BUCKEYE FIRE EQUIPMENT CO  
Address:102 INDUSTRIAL DRIVE  
City:KINGS MOUNTAIN  
State:NC  
ZIP:28086  
Country:US  
Info Phone Num:704-739-7415  
Emergency Phone Num:704-  
739-7415,800-424-9300(CHEMTREC)  
Preparer's Name:NONE  
CAGE:57658  
=== Contractor Identification ===  
Company Name:BUCKEYE FIRE EQUIPMENT CO  
Address:110 KINGS RD  
Box:428  
City:KINGS MOUNTAIN  
State:NC  
ZIP:28086  
Country:US  
Phone:704-739-7415  
CAGE:57658

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Composition/Information on Ingredients  
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Ingred Name:CARBON DIOXIDE  
CAS:124-38-9  
RTECS #:FF6400000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10,000 PPM  
ACGIH TLV:5000PPM/30000STEL;94

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=== Hazards Identification ===

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: DIRECT CONTACT WITH LIQUID OR SOLID WILL CAUSE BURNS, FROSTBITE, BLINDNESS. PRODUCT IS AN ASPHYXIANT, DISPLACES OXYGEN. EXPOSURE TO HIGH CONCENTRATIONS CAN PARALYZE THE RESPIRATORY CENTER. INCREASED INHALATION WILL CAUSE INCREASED BREATHING RATE. UNCONSCIOUSNESS AND DEATH MAY RESULT.

CHRONIC: NONE SPECIFIED.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:BURNS, FROSTBITE, BLINDNESS, INCREASED BREATHING RATE, HEADACHE, DIZZINESS, DROWSINESS, CONVULSIONS, UNCONSCIOUSNESS, ASPHYXIATION, DEATH.

Medical Cond Aggravated by Exposure:NONE KNOWN.

=== First Aid Measures ===

First Aid:TREAT AREAS EXPOSED TO SOLID OR LIQUID CARBON DIOXIDE AS FROSTBITE. GET MEDICAL ATTENTION.

INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

=== Fire Fighting Measures ===

Extinguishing Media:THIS MATERIAL IS AN EXTINGUISHING AGENT.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:NONE.

=== Accidental Release Measures ===

Spill Release

Procedures:RELEASED GAS WILL DISSIPATE RAPIDLY AND HARMLESSLY TO ATMOSPHERE, IN OPEN AREAS. FOR CONFINED AREAS, MOVE ALL PERSONNEL AND VENTILATE AREA. VENT TO ATMOSPHERE IN OPEN AREA.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

=== Handling and Storage ===

Handling and Storage Precautions:STORE AWAY FROM DIRECT HEAT OR FLAME.

Other Precautions:NONE

=== Exposure Controls/Personal Protection ===

Respiratory Protection

:USE SELF-CONTAINED BREATHING APPARATUS OR AIRLINE RESPIRATORS WHEN CARBON DIOXIDE HAS BEEN RELEASED AND HAS DIMINISHED THE OXYGEN CONTENT BELOW 19%.  
Ventilation:MECHANICAL AND LOCAL EXHAUST ARE RECOMMENDED.  
Protective Gloves:INSULATED WHEN HANDLING LIQUID OR SOLID.  
Eye Protection:WEAR SAFETY GLASSES.  
Other Protective Equipment:NONE REQUIRED.  
Work Hygienic Practices:USE GOOD HYGIENE AND GOOD HOUSEKEEPING PRACTICES.  
Supplemental Safety and Health  
NONE

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

HCC:G3  
Boiling Pt:B.P. Text:-109F,-78C  
Vapor Pres:GAS AT 70F  
Vapor Density:1.52  
Evaporation Rate & Reference:HIGH  
Solubility in Water:SLIGHT  
Appearance and Odor:COLORLESS LIQUID OR GAS. NO ODOR.  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED BY MANUFACTURER.  
Stability Condition to Avoid:NONE  
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:VENT TO ATMOSPHERE IN OPEN AREA.

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