

## **CARBON DIOXIDE FOR FIRE EXTINGUISHER**

### **MSDS Number**

BKBWY

### **National Stock Number**

4210-00-288-7219

### **Product Name**

CARBON DIOXIDE FOR FIRE EXTINGUISHER

### **Manufacturer**

AMEREX CORP

### **Product Identification**

Product ID: CARBON DIOXIDE FOR FIRE EXTINGUISHER

MSDS Date: 08/01/1991

FSC: 4210

NIIN: 00-288-7219

MSDS Number: BKBWY

### **Responsible Party**

AMEREX CORPORATION

7595 GADSDEN HWY E

TRUSSVILLE, AL 35173-0081

US

Emergency Phone: 205-655-3271/800-424-9300(CHEMTREC)

Info Phone: 205-655-3271

Cage: 54905

### **Contractor**

AMEREX CORPORATION

81

TRUSSVILLE, AL 35173-0081

US

205-655-3271

Cage: 54905

### **Ingredients**

CARBON DIOXIDE

CAS: 124-38-9

RTECS: FF6400000

Fraction By Weight: 100%

OSHA PEL5000 PPM

ACGIH TLV: 5000PPM/30000STEL;93

### **Hazards**

LD50 LC50 Mixture: TLV CARBON DIOXIDE 5000 PPM

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 ASPHYXIAN. HIGH CONCENTRATIONS CAN PRODUCE PARALYSIS OF THE RESPIRATORY CONTROL CENTER OF THE NERVOUS SYSTEM. 2-3% WILL INCREASE RESPIRATION. >4% PRODUCES LABORED BREATHING AND IS DANGEROUS FOR EVEN A FEW MINUTES. >12% CAUSES RAPID UNCONSCIOUSNESS AND DEATH.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Effects of Overexposure:FAINT "ACIDIC" TASTE, HEADACHE, DIZZINESS, SHORTNESS OF BREATH, MUSCULAR WEAKNESS, DROWSINESS, AND RINGING OF THE EARS.

Medical Cond Aggravated by Exposure:PERSONNEL WITH PRE-EXISTING CHRONIC RESPIRATORY DISEASES OR HEART DISORDER SHOULD REFRAIN FROM BREATHING EXCESSIVE CARBON DIOXIDE. RECOVERY IS USUALLY RAPID FROM SHORT TERM OVEREXPOSURE.

## First Aid

First Aid:FIRST AID: INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. RESCUE PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE MASK.

## Fire Fighting

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:CYLINDER MAY BURST IN HEAT OF FIRE IF RELIEVE MECHANISM FAILS.

## Accidental Release

Spill Release Procedures:REMOVE PERSONNEL. VENTILATE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS. MOVE LEAKING CONTAINER OUTDOORS IF WITHOUT RISK. SLOWLY RELEASE INTO ATMOSPHERE. RETURN DEFECTIVE CYLINDER TO SUPPLIER. TEST AREA FOR OXYGEN BEFORE ALLOWING RE-ENTRY.

## Handling

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

Other Precautions:NONE.

## Exposure Controls

Respiratory Protection:WEAR SELF-CONTAINED BREATHING APPARATUS WHEN CONCENTRATIONS ARE ABOVE PEL.

Ventilation:PROVIDE ADEQUATE VENTILATION.

Protective Gloves:NONE REQUIRED.

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:SELF-CONTAINED BREATHING APPARATUS. SAFETY SHOES. DO NOT WEAR CONTACT LENSES.

Work Hygienic Practices:USE GOOD PERSONNEL HYGIENE AND GOOD HOUSEKEEPING PRACTICES.

Supplemental Safety and Health

CARBON DIOXIDE, BEING HEAVIER THAN AIR, TENDS TO ACCUMULATE NEAR THE FLOOR OF AN ENCLOSED SPACE DISPLACING THE AIR AND CREATING AN OXYGEN DEFFICIENT ATMOSPHERE. VENTILATE BEFORE ENTRY. VERIFY SUFFICIE NT OXYGEN CONCENTRATION.

## Chemical Properties

HCC:G3

Vapor Density:1.52

Solubility in Water:0.8 V/V H2O

Appearance and Odor:COLORLESS GAS. NO ODOR.

## Stability

Stability Indicator/Materials to Avoid:YES

CHEMICALLY ACTIVE METALS SUCH AS SODIUM, POTASSIUM, HOT TITANIUM

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

## Disposal

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. VENT SLOWLY TO ATMOSPHERE WITH ADEQUATE VENTILATION. DISPOSE OF IN

ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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