

CARBON DIOXIDE

MSDS Number

BXHBF

National Stock Number

4210-01-281-7926

Product Name

CARBON DIOXIDE

Manufacturer

ANSUL FIRE PROTECTION WORMALD U S INC

Product Identification

Product ID:CARBON DIOXIDE

MSDS Date:01/25/1993

FSC:4210

NIIN:01-281-7926

MSDS Number: BXHBF

Responsible Party

ANSUL FIRE PROTECTION, WORMALD U.S.INC.

ONE STANTON STREET

MARINETTE , WI 54143-2542

US

Emergency Phone: 715-735-7411/800-424-9300(CHEMTREC)

Info Phone: 715-735-7411

Cage: 03670

Contractor

ANSUL INC

MARINETTE, WI 54143-2542

US

715-735-7411

Cage: 03670

Ingredients

CARBON DIOXIDE

CAS: 124-38-9

RTECS: FF6400000

Fraction By Weight: 100%

OSHA PEL5000 PPM

ACGIH TLV: 5000PPM/30000STEL;94

Hazards

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

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

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

Health Hazards Acute and Chronic:ACUTE-CONTACT WITH COLD VAPOR/SOLID CARBON DIOXIDE CAN CAUSE EYE/SKIN FROSTBITE AND FREEZE BURNS.

ASPHYXIAN BY INHALATION & HEAVIER THAN AIR. CAN CAUSE SUFFOCATION BY REDUCING OXYGEN AVAILABLE. BREAT HING HIGH CONCENTRATIONS WILL CAUSE LIGHTHEADEDNESS, SHORTNESS OF BREATH. INGESTION IS UNLIKELY. CHRONIC-UNKNOWN.

Explanation of Carcinogenicity:MFR GAVE THE ABOVE LISTINGS ON THE MSDS BUT NO OTHER COMMENTS WERE RECORDED.

Effects of Overexposure:DIZZINESS, IMPAIRED COORDINATION, REDUCED MENTAL ACUITY, HEADACHES, TINNITUS, DIFFICULTY BREATHING, AND/OR DROWSINESS DEPENDING ON LENGTH OF EXPOSURE & CONCENTRATIONS.

Medical Cond Aggravated by Exposure:RESPIRATORY PROBLEMS

First Aid

First Aid:IF ANY IRRITATION PERSISTS OR SEVERE, GET MEDICAL ATTENTION. TREAT FOR FROSTBITE IF NECESSARY. EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. INHALED:REMOVE FROM CONTAMINATED AREA. IF SYMPTOM S OCCUR, CONSULT MEDICAL PERSONNEL. AIDOR RESTORE BREATHING AS NEEDED. INGESTED:MFR GAVE NO INFORMATION ON MSDS.

Fire Fighting

Flash Point:NONE

Extinguishing Media:THIS IS AN EXTINGUISHING AGENT. HMIS:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:NONE - THIS IS AN EXTINGUISHING AGENT.

Unusual Fire/Explosion Hazard:THOUGH GAS CYLINDERS ARE EQUIPPED WITH PRESSURE AND TEMPERATURE RELIEF DEVICES, THEY SHOULD BE REMOVED FROM HIGH TEMPERATURES OR FIRE TO AVOID RISK OF RUPTURE.

Accidental Release

Spill Release Procedures:EVACUATE PERSONNEL. VENTILATE TO OUTSIDE ATMOSPHERE. COOL OR REMOVE HOT, METAL SURFACES OR SOURCE OF NON-EXTINGUISHED FLAMES.

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

Handling

Handling and Storage Precautions:STORE IN A CEAN, DRY, WELL-VENTILATED AREA AWWAY FROM HEAT ABOVE 120F. STORE AS A COMPRESSED GAS IN DOT APPROVED VESSELS.

Other Precautions:IF NOT ATTACHED TO A SYSTEM, CYLINDER/CARTRIDGE MUST BE SAFETY CAPPED TO PROTECT AGAINST VIOLENT VELLEL MOVEMENT OR FORCE OF EXCAPING GAS IF VALVE IS ACTUATED OR SEAL IS PUNCTURED. NOTE INCOMPATIBILIT Y INFORMATION.

Exposure Controls

Respiratory Protection:NOT NORMALLY NECESSARY IF CONTROLS ARE ADEQUATE. IF TLV IS EXCEEDED OR IF EXPOSURE IS PROLONGED, A SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS RECOMMENDED W/LOCAL EXHAUST RECOMMENDED FOR CONFINED SPACES.

Protective Gloves:FOR CONTACT W/DRY ICE

Eye Protection:CHEMICAL GOGGLES + FACE SHIELD

Other Protective Equipment:PROTECTIVE CLOTHING FOR CONTACT W/DRY ICE.

Work Hygienic Practices:MFR:?. HMIS:USE GOOD CHEMICAL HYGIENE PRACTICES. AVOID CONTACT IF AT ALL POSSIBLE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NONE

Chemical Properties

HCC:G3

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:SUBLIMES

Vapor Pres:830 PSI

Vapor Density:1.5

Spec Gravity:1.98

Evaporation Rate & Reference:GAS AT ROOM TEMPERATURE

Solubility in Water:88ML/100 ML

Appearance and Odor:COLORLESS GAS W/NO ODOR

Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES

REACTS VIGOROUSLY W/(AL+NA₂O₂), CS₂O, LI, K, MG(C₂H₅)₂, (MG+NA₂O), KHC₂, NA, NA₂C₂, NAK, TI

Hazardous Decomposition Products:NONE

Conditions to Avoid Polymerization:WILL NOT OCCUR.

Disposal

Waste Disposal Methods:DISPOSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.