

ANSUL FIRE PROTECTION, WORMALD -- CARBON DIOXIDE,25375

MSDS Safety Information

FSC: 4210

NIIN: 01-265-0443

MSDS Date: 01/12/1996

MSDS Num: BZPLS

Product ID: CARBON DIOXIDE,25375

MFN: 02

Kit Part: Y

Responsible Party

Cage: 03670

Name: ANSUL FIRE PROTECTION, WORMALD U.S.INC.

Address: ONE STANTON ST

REET

City: MARINETTE WI 54143-2542

Info Phone Number: 715-735-7411...FAX 715-732-3477

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

Preparer's Name: UNKNOWN

Proprietary Ind: Y

Review Ind: Y

Published: Y

Contractor Summary

Cage: 03670

Name: ANSUL INC

Address: ONE STANTON STREET

City: MARINETTE WI 54143-2542

Phone: 715-735-7411

Item Description Information

Item Manager: S9I

Item Name: EXTINGUISHER,FIRE

Specification Number: MIL-E-24091

Type/Grade/Class: CLASS 2,SIZE 2

Unit of Issue: EA

UI Container Qty: 1

Type of Container: CARTRIDGE

Ingredients

Name: *** PROPRIETARY ***

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Health Hazards Data

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LD50 LC50 Mixture: TLV IS 5000 PPM.

Route Of Entry Inds - Inhalation: YES

Skin: NO

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: TARGET ORGANS:LUNGS, CNS, EYES, SKIN. ACUTE- CONTACT WITH LIQUID CAN CAUSE SKIN FROSTBITE. GAS MAY CAUSE EYE IRRITATION. ASPHYXIANT. INHALATION MAY CAUSE RESPIRATORY ACIDOSIS. HIGH CONCENTRATIONS MAY CAUSE RAPID CIRCULATORY INSUFFICI

ENCY LEADING TO DEATH. INGESTION IS NOT LIKLEY (GAS). CHRONIC- UNKNOWN.

Explanation Of Carcinogenicity: NONE

Signs And Symptions Of Overexposure: EYE OR SKIN FROSTBITE AND FREEZE BURNS, HEADACHE, DROWSINESS, DIZZINESS, STINGING OF THE EYES, NOSE AND THROAT, EXCITATION, RAPID BREATHING AND HEART RATE, EXCESS SALIVATION, SHORTNESS OF BREATH, MUSC ULAR WEAKNESS, RINGING IN THE EAR, UNCONSCIOUSNESS, COMA, NAUSEA, VOMITING, WATERY EYES (FORMATION OF WEAK CABONIC ACID)

Medical Cond Aggravate

d By Exposure: PERSONNEL WITH PRE-EXISTING CHRONIC RESPIRATORY DISEASES OR HEART DISORDERS SHOULD REFRAIN FROM BREATHING EXCESSIVE CARBON DIOXIDE.

First Aid: INHALATION:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED.

EYES:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SEE AN OPHTHALMOLOGIST, URGENTLY. SKIN:FLUSH WITH WARM WATER (NOT TO EXCEED 107 F). PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO CO2.

RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF CONTAINED BREATHING APPARATUS.

ORAL:NOT LIKELY.

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Handling and Disposal

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Spill Release Procedures: LIQUID CARBON DIOXIDE WILL FORM SOLID CO2 (DRY ICE)

WHEN RELEASED TO ATMOSPHERIC PRESSURE. THE AREA SHOULD BE VENTILATED. CLEAN UP PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FA CE MASK AND HEAVY PROTECTIVE CLOTHING.

Neutralizing Agent: NOT RELEVANT

Waste Disposal

Methods: SLOWLY RELEASE INTO ATMOSPHERE OUTDOORS. DISPOSAL SHOULD BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. DEFECTIVE CYLINDERS SHOULD BE TAGGED TO INDICATE A DEFECT.

Handling And Storage Precautions: STORE IN A COOL, WELL-VENTILATED PLACE. DO NOT STORE ABOVE 120F. KEEP OUT OF REACH OF CHILDREN.

Other Precautions: KEEP AWAY FROM SOURCES OF HEAT. CAUTION! CAN CAUSE RAPID SUFFOCATION DUE TO OXYGEN DEFICIENCY. USE WITH ADEQUATE VENTILATION. CO2 IS HEAVIER THAN AIR AND

TENDS TO ACCUMULATE NEAR THE FLOOR IN CLOSED SPACES. READ ALL LABELS INSTRUCTIONS.

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Fire and Explosion Hazard Information
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Flash Point Text: NONE

Extinguishing Media: CARBON DIOXIDE CANNOT CATCH FIRE. USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL FOR SURROUNDING FIRE.

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

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

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Control Measures
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Respiratory Protection: NONE REQUIRED UNDER NORMAL USE. HOWEVER, AIR-SUPPLIED RESPIRATORS ARE REQUIRED WHILE WORKING IN CONFINED SPACES WITH THIS PRODUCT.

THE RESPIRATORY PROTECTION USE MUST CONFORM WITH OSHA RULES AS SPECIFIED IN 29 CFR 1910.134.

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

Protective Gloves: INSULATED AND COLD RESISTANT NEOPRENE

Eye Protection: SAFETY GOGGLES RECOMMENDED

Other Protective Equipment: EYE WASH STATION, SAFETY SHOWER, INDUSTRIAL-TYPE WORK CLOTHING, SAFETY SHOES AND APRON AS REQUIRED.

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

Supplemental Safety and Health: KEY1:G3. THIS IS THE PROPELLANT PART OF THE FIRE EXTINGUISHER.

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Physical/Chemical Properties
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HCC: G3

NRC/State LIC No: NOT RELEVANT

B.P. Text: SUBLIMES

M.P/F.P Text: UNKNOWN

Decomp Text: UNKNOWN

Vapor Pres: 43671 @68F

Vapor Density: 1.5

Spec Gravity: 1.98

PH: ACIDIC

Evaporation Rate & Reference: NOT R

ELEVANT (GAS)

Solubility in Water: 88% @ 68F (20C)

Appearance and Odor: COLORLESS, ODORLESS GAS

Percent Volatiles by Volume: 100

Corrosion Rate: UNKNOWN

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: OVERHEATING CYLINDERS

Materials To Avoid: (AL+NA2O2), CS2O, LITHIUM, POTASSIUM, MG(C2H5)2, (MG+NA2O), SODIUM

Hazardous Decomposition Products: NONE

Hazardous Pol

ymmerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT

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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Cage: 03670

Trans ID NO: 119775

Product ID: CARBON DIOXIDE,25375

MSDS Prepared Date:

01/12/1996

Review Date: 07/22/1996

MFN: 2

Net Unit Weight: 27 LBS

Multiple KIT Number: 0

Kit Part IND: Y

Review IND: Y

Unit Of Issue: EA

Container QTY: 1

Type Of Container: CARTRIDGE

Additional Data: CONTAINS 8.25 OZ OF CARBON DIOXIDE, PER MANUFACTURER.

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Detail DOT Information
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DOT PSN Code: CUX

DOT Proper Shipping Name: CARBON DIOXIDE

Hazard Class: 2.2

UN ID Num: UN1013

Label: NONFLAMM

ABLE GAS
Packaging Exception: 306
Non Bulk Pack: 302,304
Bulk Pack: 302,314,315
Max Qty Pass: 75 KG
Max Qty Cargo: 150 KG
Vessel Stow Req: A

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Detail IMO Information
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IMO PSN Code: DOH
IMO Proper Shipping Name: CARBON DIOXIDE
IMDG Page Number: 2111
UN Number: 1013
UN Hazard Class: 2(2.2)
IMO Packaging Group: -
Subsidiary Risk Label: -
EMS Number: 2-09
MED First Aid Guide NUM: 615

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Detail IATA Information
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IATA PSN Code: FHH
IATA UN ID Num: 1013
IATA Proper Shipping Name: CARBON DIOXIDE +
IATA UN Class: 2.2
IATA Label: NON-FLAMMABLE GAS
Packing Note Passenger: 200
Max Quant Pass: 75KG
Max Quant Cargo: 150KG
Packaging Note Cargo: 200

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Detail AFI Information
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AFI
PSN Code: FHH
AFI Proper Shipping Name: CARBON DIOXIDE
AFI Hazard Class: 2.2
AFI UN ID NUM: UN1013
Special Provisions: P5
Back Pack Reference: A6.3,A6.5,A6.6

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HAZCOM Label
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Product ID: CARBON DIOXIDE,25375
Cage: 03670
Company Name: ANSUL INC
Street: ONE STANTON STREET
City: MARINETTE WI
Zipcode: 54143-2542
Health Emergency Phone: 715-735-7411/800-424-9300(CHEMTREC)
Label Required IND:

Y

Date Of Label Review: 07/22/1996

Status Code: C

MFG Label NO: UNKNOWN

Label Date: 07/22/1996

Year Procured: 1989

Origination Code: F

Signal Word: WARNING

Health Hazard: Moderate

Contact Hazard: Moderate

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS:LUNGS, CNS, EYES, SKIN. ACUTE- CONTACT WITH LIQUID CAN CAUSE SKIN FROSTBITE. GAS MAY CAUSE EYE IRRITATION.

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MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO CO2. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF CONTAINED BREATHING APPARATUS.

ORAL:NONE

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