

ANSUL FIRE PROTECTION, WORMALD -- CARBON DIOXIDE,25375

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MSDS Safety Information

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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 STR  
EET  
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

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Contractor Summary

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Cage: 03670  
Name: ANSUL INC  
Address: ONE STANTON STREET  
City: MARINETTE WI 54143-2542  
Phone: 715-735-7411

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Item Description Information

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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

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Ingredients

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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 INSUFFICIE

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

Explanation Of Carcinogenicity: NONE

Signs And Symptoms 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 Aggravated

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 CONTA INED 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 M

ethods: 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 S PACES.  
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 BRE  
ATHING 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 S  
PACES WITH THIS PRODUCT.  
THE RESPIRATORY PROTECTION USE MUST CONFORM WITH OSHA RULES AS SPECIF IED 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 H  
YGIENE 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 RE

LEVANT (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 Polymerization 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: 0  
1/12/1996  
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: NONFLAMMA

BLE 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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Dis

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