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ANSUL FIRE PROTECTION, WORMALD -- CARBON DIOXIDE,25375

MSDS Safety Information

| MSDS Salely mornation |
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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: 715-735-7411FAX 715-732-3477 Emergency Phone Number: 715-735-7411/800-424-9300(CHEMTREC) Preparer's Name: UNKNOWN Proprietary Ind: Y Review Ind: Y |
| contractor Summary |
| Cage: 03670 Name: ANSUL INC Address: ONE STANTON STREET City: MARINETTE WI 54143-2542 Phone: 715-735-7411 |
| ====================================== |
| 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

_____ ______ 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 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 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. _____ Handling and Disposal _____

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. _____ Fire and Explosion Hazard Information _____ 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. _____ **Control Measures** _____ 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. _____ Physical/Chemical Properties _____ 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 & amp; 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

Reactivity Data

______ 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 Poly merization Indicator: NO Conditions To Avoid Polymerization: NOT RELEVANT _____ Toxicological Information _____ **Ecological Information** ______ ______ MSDS Transport Information ______ _____ __________________________________ Regulatory Information _____ Other Information _____ _____ Transportation Information 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. **Detail DOT Information** DOT PSN Code: CUX

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 Reg: A _____ Detail IMO Information _____ 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 ======= _______ Detail IATA Information _____ 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 _____ Detail AFI Information ______ 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 ______ HAZCOM Label _____ 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. ASPHYXIANT. INHALATION MAY CAUSE RAPID CIRCULATORY INSUFFICIENCY. INGESTION IS NOT LIKLEY. CHRONIC- UN KNOWN. STORE IN VENTILATED PLACE. IF LEAKINF, AREA SHOULD BE VENTILATED. FIRST AID- INHALED: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. SEE AN OPHTHALMOLOGIST. SKIN: FLUSH WITH WARM WATER (NOT TO EXCEED 107F). PROMPT 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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