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ANSUL FIRE PROTECTION, WORMALD U.S.INC. -- CARBON DIOXIDE (FOR FIRE EXTINGUISHER) -- 4210-01-374-8128

Product ID:CARBON DIOXIDE (FOR FIRE EXTINGUISHER) MSDS Date:01/12/1996 FSC:4210 NIIN:01-374-8128 MSDS Number: BYFGQ === Responsible Party === Company Name: ANSUL FIRE PROTECTION, WORMALD U.S.INC. Address: ONE STANTON STREET **City:MARINETTE** State:WI ZIP:54143-2542 С ountry:US Info Phone Num:715-735-7411X3562/580 TOM LAWSON Emergency Phone Num:800-424-9300(CHEMTREC) CAGE:03670 === Contractor Identification === **Company Name: ANSUL INC** Address: ONE STANTON STREET Box:City:MARINETTE State:WI ZIP:54143-2542 Country:US Phone:715-735-7411 CAGE:03670 Ingred Name:CARBON DIOXIDE CAS:124-38-9 RTECS #:FF6400000 Fraction by Wt: 100% Other REC Limits:NONE RECOMMENDED OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: EYE: CONTACT W/CO2 SNOW (DRY ICE) CAN PRODUCE CHILLING SENSATIONS & DISCOMFORT, FROSTBITE. SKIN: EVAPORATION OF LIQ FRM SKIN CAN PRODUCE CHILLING SENSATIONS.FROSTBITE CAN OCCUR.AVOID CO2 SNOW (DRY ICE). INHAL:VAP HEAVIER THAN AIR; CAN CAUSE SUFFOCATION BY REDUC ING OXY AVAILABLE FOR BREATH.BREATH VERY HI VAP CONCEN (SUPPLE) Explanation of Carcinogenicity: PER MSDS: CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL:NTP/IARC/OSHA:NO. Effects of Overexposure: CHILLING SENSATIONS, DISCOMFORT, FROSTBITE. SUFFOCATION BY REDUCING OXY AVAILABLE FOR BREATHING. LIGHTHEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, MUSCULAR TREMORS, WEAKNESS, ACROCYANOSIS. UNCONSCIOUSN ESS OR EVEN DEATH. Medical Cond Aggravated by Exposure: RESPIRATORY PROBLEMS.

First Aid:EYE:IMMED FLUSH W/PLENTY OF WATER FOR @LEAST 15MINS WHILE HOLDING LIDS OPEN.REDNESS/ITCHING/BURNING SENSATION DEVELOPS GET MED ATTN.TREAT FOR FROSTBITE IF NECESSARY. SKIN:WASH MATL OFF SKIN W/COPIOUS AMTS OF SOAP/WATER FOR @LEAST 15MINS.REDNESS/ITCHING/BURNING SENS DEVELOPS GET MED ATTN.TREAT FOR FROSTBITE IF NECESSARY. INHAL:REMOVE TO FRESH AIR.COUGH/OTHER RESP SYMPTOMS OCCUR CONSULT MED (SUPPLE)

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Flash Point:NONE

Extinguishing Media:NOT APPLICABLE PER MSDS. HOWEVER, USE APPROPRIATE FIRE EXTINGUSHING MEDIA FOR SURROUNDING CONDITIONS.
Fire Fighting Procedures:NONE, THIS IS AN EXTINGUISHING AGENT.
Unusual Fire/Explosion Hazard:THOUGH GAS CYLINDERS ARE EQUIPPED
W/PRESSURE & TEMP RELIEF DEVICES, THEY SHOULD BE REMOVED FROM HIGH TEMPERATURES OR FIRE TO AVOID RISK OF RUPTURE.

======== Accidental Release Mea

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

Handling and Storage Precautions: STORE CNTNRS IN CLEAN DRY WELL-VENTI AREA, AWAY FRM HEAT >120F.STORE AS COMPRESSED GAS IN DOT APPROVED VESSELS.CYL/CARTRIDGE NOT ATTACHED TO(OTHR PREC) Other Precautions: HNDLG/STORG: SY MUST BE SAF CAPPED TO PRO T AGAINST VIOLENT VESSEL MOVEMENT/FORCE OF ESCAPING GAS IF ACTUATE/SEAL PUNCTURED.NOTE: AS USED IN ANSUL EXTINGUISHERS/CARTRIDGES/CYL CO2 IS GAS COMPRESSED UNDE R PRESSURES UP TO 860 PSI@70F. 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:LOCAL EXHAUST:RECOMMENDED IN CONF INED SPACES. MECHANICAL (GENERAL):RECOMMENDED. Protective Gloves: FOR CONTACT W/DRY ICE. Eye Protection: CHEM GOGG, FULL FACESHIELD. Other Protective Equipment: PROTECTIVE CLOTHING FOR CONTACT W/DRY ICE. Work Hygienic Practices: FOLLOW GOOD WORK HYGENIC PRACTICES. Supplemental Safety and Health HEALTH HAZ: CAN CAUSE LIGHTHEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, MUSCULAR TREMORS, WEAKNESS, ACROCYANOSIS, ALSO UNCONSC OR EVEN DEATH. 1STAID: PERSONNEL. NOT BREATH GIVE ART RESP PREFERABLY MOUTH-TO-MOUT H.BREATH DIFFICULT GIVE OXY.CONSULT MEDPERSONNEL. HCC:G3 Boiling Pt:B.P. Text:SUBLIMES Vapor Pres:830 @20C Vapor Density:1.5 Spec Gravity:1.98 Evaporation Rate & amp; Reference: N/A, GAS @ ROOM TEMP Solubility in Water: APPREC 88ML/100MLH20

Appearance and Odor:COLORLESS GAS W/NO ODOR.

Percent Volatiles by Volume:100

Stability Indicator/Materials to Avoi

d:YES REACTS VIGOROUSLY W/ (AL + NA2CO2), CS2O, LI, K, MG(C2H5)2, (MG + NA2O), KHC2, NA, NA2C2.

Hazardous Decomposition Products:NONE.

Waste Disposal Methods:DISPOSE OF IN COMPLIANCE W/LOCAL, STATE, FEDERAL REGULATIONS.

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