View NSN Online: https://aerobasegroup.de/nsn/4210-00-134-8958

Product ID:CARBON DIOXIDE MSDS Date:01/25/1993 FSC:4210 NIIN:00-134-8958 **MSDS Number: BNSXX** === Responsible Party === Company Name: ANSUL FIRE PROTECTION, WORMALD U.S.INC. Address: ONE STANTON STREET City:MARINETTE State:WI ZIP:54143-2542 Country:US Info Phone Num:715-735-7411...FAX 715-7 32-3477 Emergency Phone Num:715-735-7411...TOM LAWSON EXT 580 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 SPECIFIED OSHA PEL:5000 PPM ACGIH TLV:5000PPM/30000STEL;94

======= Haza

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. ASPHYXIANT BY INHALATION & HEAVIER THAN AIR. CAN CAUSE SUFFOCATION BY REDUCING OXYGEN AVAILABLE. BREAT HING HIGH CONCENTRATIONS WILL CAUSE LIGH THEADEDNESS, 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: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.

Flash Point:NONE Extinguishing Media:THIS IS AN EXTINGUISHING AGENT. HM IS: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.

Spill Release Procedures: EVACUATE PERSONNEL. VENTILATE TO OUTSIDE ATMOSPHERE. COOL OR REMOVE HOT, M

ETAL SURFACES OR SOURCE OF NON-EXTINGUISHED FLAMES. Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS. 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 EXCAPIN G GAS IF VALVE IS ACTUATED OR SEAL IS PUNCTURED. NOTE INCOMPATIBILIT Y INFORMATION. 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 Prot ection: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 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 & amp; 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 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.

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.