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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

Co

untry: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

======= Composition/Information on Ingredients ========

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/3 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 REDUCI

NG 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 Measures ==========

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)

======= Fire Fighting Measures ===========

## Flash Point:NONE

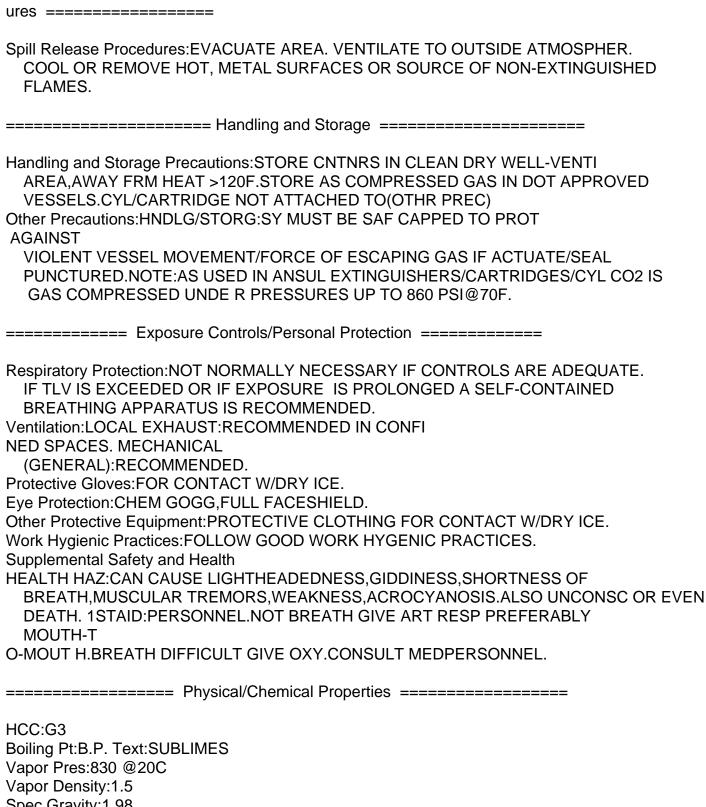
Extinguishing Media:NOT APPLICABLE PER MSDS. HOWEVER, USE APPROPRIATE FIRE EXTINGUSHING MEDIA FOR SURROUNDING CONDITIONS.

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 Meas



Spec Gravity: 1.98

Evaporation Rate & Deference: 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 and Reactivity Data ==============

Stability Indicator/Materials to Avoid

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

Hazardous Decomposition Products: NONE.

======= Disposal Considerations ===========

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

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