

ANSUL FIRE PROTECTION -- CARBON DIOXIDE (16539, 5373) -- 4210-00-299-0014

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Product Identification  
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Product ID:CARBON DIOXIDE (16539, 5373)

MSDS Date:06/01/1989

FSC:4210

NIIN:00-299-0014

Kit Part:Y

MSDS Number: BJSFZ

=== Responsible Party ===

Company Name:ANSUL FIRE PROTECTION

Address:ONE STANTON STREET

City:MARINETTE

State:WI

ZIP:54143-2542

Country:US

Info Phone Num:715-735-7411

Emergen

cy Phone Num:715-735-7411

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

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Composition/Information on Ingredients  
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Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: 100%

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;93

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Hazards Identification  
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LD50 LC50 Mixture:NONE SP

ECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: CONT W/CO\*2 SNOW (DRY ICE) CAN PRDCE CHILLING SENSATIONS & DISCOMFORT, ALSO FROSTBT. SKIN: EVAP OF LIQ FROM SKIN CAN PRDCE CHILLING SENSATIONS. FROSTBT CAN OCCUR. AVOID CO\*2 SNOW. INHAL: VAP IS HEAVIER THAN AIR & CAN CAUSE SUFFOCATION BY REDUCING O\*2 AVAILABLE FOR BRTHG. BRTHG VERY HIGH CONC (SEE EFTS OF O

VEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: OF VAP CAN CAUSE LIGHTHEADEDNESS, GIDD, SHORTNESS OF BREATH, MUSC TREMORS & WEAK, ACROCYANOSIS. ALSO UNCON OR EVEN DEATH. INGEST: NOT LIKELY TO OCCUR SINCE MATL IS GAS AT ROOM TEMP. ACUTE: D IZZ, IMPAIRED COORD, REDUCED MENTAL ACUITY, HDCH, TINNITUS, DFCLT BRTHG, DROW, DEPENDING ON LENGTH OF (SEE SUPP DATA)

Medical Cond Aggravated by Exposure:RESPIRATORY PROBLEMS

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rst Aid Measures =====

First Aid:EYES: IMMED FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN WHILE HOLDING LIDS OPEN. IF REDNESS, ITCHING OR BURNING SENSATION DEVELOPS, GET MD. TREAT FOR FROSTBITE IF NECESSARY. SKIN: WASH MATL OF F SKIN WITH COPIOUS AMTS OF SOAP & WATER FOR AT LEAST 15 MIN. IF REDNESS, ITCHING OR BURNING DEVELOPS, GET MD. TREAT FOR FROSTBITE IF NECESSARY. INHAL: REMOVE TO FRESH AIR. IF COUGH OR (SEE SUPP DATA)

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= Fire Fighting Measures =====

Flash Point:NONE

Fire Fighting Procedures:NONE - THIS IS AN EXTINGUISHING AGENT.

Unusual Fire/Explosion Hazard:THOUGH GAS CYLINDERS ARE EQUIPPED WITH PRESSURE & TEMPERATURE RELIEF DEVICES, THEY SHOULD BE REMOVED FROM HIGH TEMPERATURES OR FIRE TO AVOID RISK OF RUPTURE.

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Accidental Release Measures =====

Spill Release Procedures:EVACUATE AREA; VENTILATE TO OUTSIDE ATMOSPHERE. COOL OR REMOVE HOT, METAL

SURFACES OR SOURCE OF  
NON-EXTINGUISHED FLAMES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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===== Handling and Storage =====

Handling and Storage Precautions:STORE CONTAINERS IN A CLEAN, DRY, WELL VENTILATED AREA AWAY FROM HEAT >120F. STORE AS COMPRESSED GAS IN DOT APPROVED VESSELS. IF CYL (SEE OTHER PREC)

Other Precautions:HNDLG/STOR PREC: OR CARTRIDGE IS NOT ATTACHED TO A SYSTEM, IT MUST BE SAFETY CAPPED TO PROTECT AGAINST VIOLENT VESS

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MOVEMENT OR FORCE OF ESCAPING GAS IF VALVE IS ACTUATED OR SEAL IS PUNCTURED.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:NOT NORMALLY NECESSARY IF CONTROLS ARE ADEQUATE. IF TLV IS EXCEEDED OR IF EXPOSURE IS PROLONGED, A NIOSH/MSHA APPROVED SCBA IS RECOMMENDED.

Ventilation:MECHANICAL (GENERAL) RECOMMENDED. LOCAL EXHAUST IN CONFINED SPACES.

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:CHEM WORK GOGGLES/FACESHIELD OPT

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ther Protective Equipment:PROTECTIVE CLOTHING FOR CONTACT WITH DRY ICE.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

SOL IN H\*2O: 88 ML CO\*2 PER 100 ML H\*2O @ 20C. EFTS OF OVEREXP: EXPOS & CONC. CHRONIC: NONE KNOWN WHEN OCCUPATIONAL EXPOS ARE < TLV. FIRST AID PROC: OTHER RESP SYMPTOMS OCCUR, CONSULT MD. IF NOT BREAT HING, GIVE ARTF RESP, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING DFCLT, GIVE OXYGEN. GET MD. INGEST: CALL MD IMMED.

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===== Physical/Chemical Properties =====

Vapor Pres:830PSI@20C

Vapor Density:1.5

Spec Gravity:1.98

Evaporation Rate & Reference:N/A - GAS AT ROOM TEMP

Solubility in Water:SEE SUPP DATA

Appearance and Odor:COLORLESS GAS WITH NO ODOR

Percent Volatiles by Volume:100

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

REACTS VIGOROUSLY WITH (AL + NA\*2O\*2), CS\*2O, LI, K, MG (C\*2H\*5)\*2, (MG + NA\*2O), KHC\*2, NA

, NA\*2C\*2, NAK, TI

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISPOSE OF IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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