

ANSUL FIRE PROTECTION, WORMALD U.S.INC. -- NITROGEN -- 6830-01-334-2900

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Product Identification
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Product ID:NITROGEN

MSDS Date:10/01/1992

FSC:6830

NIIN:01-334-2900

MSDS Number: CFRHS

=== 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 715-732-3477

Eme

rgency Phone Num:715-735-7411/800-424-9300(CHEMTREC)

CAGE:03670

=== Contractor Identification ===

Company Name:ANSUL FIRE PROTECTION

Address:ONE STANTON ST

Box:UNKNOW

City:MARINETTE

State:WI

ZIP:54143-2542

Country:US

Phone:715-735-7411

CAGE:04JH1

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:NITROGEN

CAS:7727-37-9

RTECS #:QW970

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Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:ASPHYXIAN; 9596

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===== Hazards Identification =====

LD50 LC50 Mixture:TLV:NONE LISTED
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE:AVOID CONTACT W/LIQUEFIED FORM OF
N2.CAN PRODUCE CHILLING SENSATIONS & DISCOMFORT,ALSO
FROSTBITE.SKIN;EVAPORATION OF LIQ FROM SKIN CAN PRODUCE CHILLING
SENSATION.FROSTBITE CAN OCCUR.AVOID N2 LIQUID.INHAL:IN HIGH CONCENTRATIONS
ITS SIMPLE ASPHYXIAN-DIZZ,SHORTNESS OF BREATH,UNCONSCIOUS,SUFFOCATION
MAY OCCUR.INGEST:NOT (SUPPLEMENT)
Explanation of Carcinogenicity:PER MSDS:CEHM LISTED AS
CARC/POTENTIAL:NTP/IARC/OSHA:NO.
Effects of Overexposure:ACUTE:DIZZ,HEADACHES,TINNITUS,DIFFICULTY
BREATHING,DROWSINESS,DEPENDING ON LENGTH OF EXPOSURE & CONCENTRATIONS.
CHRONIC:COMPRESSED AIR ILLNESS.
Medical Condition Aggravated by Exposure:NONE KNOWN.

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===== First Aid Measures =====

First Aid:EYE:IMMEDIATELY FLUSH W/PLENTY OF WATER FOR @LEAST 15MINS WHILE
HOLDING LIDS OPEN.RED/ITCH/BURN SENS OCCUR GET MEDICAL ATTENTION.TREAT FOR
FROSTBITE IF NECESSARY.SKIN:WASH MATERIAL OFF W/COPIOUS AMOUNTS OF
SOAP/WATER FOR @LEAST 15MINS.RED/ITCH/BURN SENS OCCUR GET MEDICAL
ATTENTION.TREAT FOR FROSTBITE IF NECESSARY.INHAL:REMOVE TO FRESH
AIR.COUGH/OTHER RESPIRATORY SYMPTOMS OCCUR CONSULT MEDICAL PERSONNEL.NOT BREATHING
GIVE ARTIFICIAL RESPIRATION (SUPPLEMENT)

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

Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:NA
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:NA.NOTE:AS USED IN ANSUL EXTINGUISHERS OR
CYLINDERS,N2 IS A GAS COMPRESSED UNDER PRESSURE UP TO 2400PSI @70F.
Fire Fighting Procedures:THOUGH GAS CYLINDERS ARE EQUIPPED W/PRESSURE &
TEMP RELIEF DEVICES THEY SHOULD BE REMOVED FROM HIGH TEMPERATURES OR FIRE
TO AVOID RISK OF RUPTURE.
Unusual Fire/Explosion Hazard:NONE

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===== Accidental Release Measures =====

Spill Release Procedures:VENITALE TO OUTSIDE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE CNTNR IN CLEAN DRY WELL-VENTI
AREA AWYA FROM HEAT >125F.STORE AS COMPRESSED GAS IN DOT APPROV
VESSELS.

Other Precautions:IF CYL NOT ATTACHED TO SYSTEM MUST BE SAFETY CAPPED
TO PROTECT AGAINST VIOLENT VESSEL MOVEMEN
T OR FORCE OF ESCAPING GAS
IF VALVE IS ACTUATED OR SEAL IS ACCIDENTALLY PUNCTURED.NOTE
INCOMPATIBLITY INFOR MATION.

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

Respiratory Protection:NOT NORMALLY NECESSARY IF CONTROLS ARE
ADEQUATE.IF EXPO IS PROLONGED A SELF-CONTAINED BREATHING APPARATUS
IS RECOMMENDED.

Ventilation:LOC EXHAU:RECOMMENDED IN CONFINED SPACES.
MECH(GEN):RECOMMENDED

Protective Gloves:FOR CONTACT W/LIQUID

Eye Protection:CHEM GOG-HNDLG LLIQ
,FULL FCSHIELD-SPLASH

Other Protective Equipment:PROTECTIVE CLOTHING FOR CONTACT W/LIQUID.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

HEALTH:LIKELY TO OCCUR SINCE MATL IS GAS @ROOM TEMP.

1ST AID:MOUHT-TO-MOUTH.BREATH DIFF GIVE OXY.CONSULT MED
PERSONNEL.INEST:NOT LIKELY TO OCCUR SINC EMATL GAS @RM TEMP.

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

HCC:G3

Boiling Pt:B.P. Text:-320F,-196C

Melt/Freeze Pt:M.P/F.P Text:NP

Dec

omp Temp:Decomp Text:NP

Vapor Pres:NA

Vapor Density:0.98

Spec Gravity:NA

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NA,GAS @ROOM TEMPERATURE

Solubility in Water:SLIGHT,FORMS H2CO3

Appearance and Odor:COLORLESS GAS WITH NO ODOR

Percent Volatiles by Volume:100

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

CAN REACT VIOLENTLY W/LI, ND, TI UNDER PROPER CONDITIONS.

Hazardous Decomposition Products:NONE

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

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

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