

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

=====  
Product Identification  
=====

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

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

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW970

0000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:ASPHYXIAN; 9596

=====  
===== 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 Conditions Aggravated by Exposure:NONE KNOWN.

=====  
===== 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 ART RESPIRATOR PREFER(SUPPLEMENT)

=====  
===== 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 TEMPS OR FIRE  
TO AVOID RISK OF RUPTURE.  
Unusual Fire/Explosion Hazard:NONE

=

===== 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

=====

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

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