

ANSUL FIRE PROTECTION, WORMALD U.S., INC. -- NITROGEN (USED AS PROPELLANT FOR HALON 1301 -- 6830-01-140-6150

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

Product ID:NITROGEN (USED AS PROPELLANT FOR HALON 1301

MSDS Date:06/01/1989

FSC:6830

NIIN:01-140-6150

MSDS Number: BKLRP

=== Responsible Party ===

Company Name:ANSUL FIRE PROTECTION, WORMALD U.S., INC.

Address:ONE STANTON STREET

City:MARINETTE

State:WI

ZI

P:54143-2542

Country:US

Info Phone Num:715-735-7411

Emergency 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

Company Name:DDRV STOCK MAINTENANCE DIV/DDRV-H

Address:8000 JEFFERSON-DAVIS HIGHWAY

Box:City:RICHMOND

State:VA

ZIP:23297

Country:US

Phone:804-279-3125

CAGE:02LX8

Company Name:FIRE-X CORP

Address:3305 CROFT ST

Box:City:NORFOLK

State:VA

Z

IP:23513-4903  
Country:US  
Phone:775-855-0196  
CAGE:6K586  
Company Name:FIRE-X OF VA (804-266-8844)  
Address:6107 STAPLES MILL RD  
Box:9757  
City:RICHMOND  
State:VA  
ZIP:23225  
Country:US  
Phone:804-266-8844  
CAGE:0FA36

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

Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
Fraction by Wt: 100%  
Other REC Limits:NONE SPECIFIED  
ACGIH TLV:ASPHYXIAN; 9192

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

Routes of Entry:  
Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:AVOID EYE CONTACT W/ LIQUEFIED FORM OF  
N2. CAN PRODUCE CHILLING SENSATIONS AND DISCOMFORT, FROSTBITE.  
EVAPORATION FO LIQUID FROM THE SKIN CAN PRODUCE CHILLING  
SENSATIONS. FROSTBITE CAN OCCUR. IN HIGH CONCENTATIONS, IT IS A  
SIMPLE ASPHYXIAN- DIZZINESS, SHORTNESS OF BREATH, UNCONSCIOUSNESS,  
OR SUFFOCATION MAY OCCUR.  
Explanation of Carcinogenicity:NONE O  
F THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:DIZZINESS, HEADACHES, TINNITUS, DIFFICULTY  
BREATHING, DROWSINESS, DEPENDING ON LENGTH OF EXPOSURE AND  
CONCENTRATIONS.  
Medical Cond Aggravated by Exposure:NONE KNOWN

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

First Aid:IMMEDIATELY FLUSH EYES AND WASH SKIN WITH PLENTY OF WATER FOR  
A LEAST 15 MINUTES . IF REDNESS, ITCHING OR A BURNING SENSATION  
DEV

ELOPS, SEE DR. TREAT FOR FROSTBITE IF NECESSARY. IF COUGH OR OTHER RESPIRATORY SYMPTOMS OCCUR, REMOVE VICTIM TO FRESH AIR AND SEEK MEDICAL ATTENTION. IF BREATHING DIFFICULT, ADMINISTER OXYGEN.

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

Flash Point:NONE

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.

=====

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

Spill Release Procedures:VENTILATE TO OUTSIDE.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM HEAT ABOVE 125 F. STORE AS A COMPRESSED GAS IN DOT APPROVED VESSELS.

Other Precautions:AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NOT NORMALLY NECESSARY IF CONTROLS ARE ADEQUATE. IF EXPOSURE IS PROLONGED, A SCBA IS RECOMMENDED.

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves:FOR CONTACT WITH LIQUID.

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

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

HCC:G3

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

Vapor Density:0.98

Solubility

ty in Water:SLIGHT

Appearance and Odor:COLORLESS GAS, WITH NO ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

CAN REACT VIOLENTLY WITH LI, ND, TI UNDER PROPER CONDITIONS.

Stability Condition to Avoid:HIGH HEAT.

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL

APPLI

CABLE FEDERAL, STATE AND LOCAL LAWS AND 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.