

ANSUL FIRE PROTECTION, WORMALD U.S.INC. -- NITROGEN -- 1650-01-155-0176

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

Product ID:NITROGEN

MSDS Date:06/01/1989

FSC:1650

NIIN:01-155-0176

MSDS Number: BLLXR

=== 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

Emergency Phone Num:715-735-7411

CAGE:03670

=== Contractor Identification ===

Company N

ame:ANSUL INC

Address:ONE STANTON STREET

Box:City:MARINETTE

State:WI

ZIP:54143-2542

Country:US

Phone:715-735-7411

CAGE:03670

Company Name:HAYNES ENTERPRISE

Address:1930-B W CARDINAL DRIVE

Box:4134

City:BEAUMONT

State:TX

ZIP:77705

Country:US

Phone:409-842-5709

CAGE:1GF04

===== 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

===== H

azards Identification =====

LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT APPLICABLE.

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

Health Hazards Acute and Chronic:ACUTE: DIZZINESS, HEADACHES, TINNITUS,  
DIFFICULTY BREATHING, DROWSINESS, DEPENDING ON LENGTH OF EXPOSURE  
AND CONCENTRATIONS. CHRONIC: COMPRESSED AIR ILLNESS.

Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP  
OR OSHA AS A CARCINOGEN, MUTAGEN, TERATOGEN OR NEUROTOXIN.

Effects of Over

exposure:ACUTE: DIZZINESS, HEADACHES, TINNITUS,  
DIFFICULTY BREATHING, DROWSINESS, DEPENDING ON LENGTH OF EXPOSURE  
AND CONCENTRATIONS. CHRONIC: COMPRESSED AIR ILLNESS.

Medical Cond Aggravated by Exposure:NONE KNOWN

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

First Aid:EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15  
MINUTES WHILE HOLDING LIDS OPEN. IF REDNESS, ITCHING OR A BURNING  
SENSATION DEVELOPS, GET MEDICAL ATTENTION. SKIN & EYES: TREAT F

OR  
FROSTBIT E IF NECESSARY. INHALATION: REMOVE VICTIM TO FRESH AIR. IF  
NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS  
DIFFICULT, GIVE OXYGEN. IF RESPIRATORY SYMPTOMS OCCUR, GET MEDICAL  
ATTENTION.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Fire Fighting Procedures: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.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:VENTILATE TO OUTSIDE.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE CONTAINERS IN A CLEAN, DRY WELL-  
VENTILATED AREA, AWAY FROM HEAT ABOVE 125F. STORE AS A COMPRESSED  
GAS.

Other Precautions:DO NOT DEFACE CYLINDER

## S OR LABELS.

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

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

Ventilation:LOCAL EXHAUST IS RECOMMENDED IN CONFINED SPACES.

Protective Gloves:FOR CONTACT WITH LIQUID.

Eye Protection:CHEMICAL GOGGLES & FACE SHIELD IF REQ'D.

Other Protective Equipment:PROTECTIVE CLOTHING FOR CONTACT WITH LIQUID.

Work Hygienic Practices:OB

SERVE GOOD PERSONAL HYGIENE PRACTICES AND

RECOMMENDED PROCEDURES. USE PROPER CARE WHEN HANDLING AND STORING  
CYLINDERS.

Supplemental Safety and Health

NONE

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

HCC:G3

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

Vapor Density:0.98

Evaporation Rate & Reference:GAS AT ROOM TEMPERATURE

Solubility 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.

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 Uni

ted 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.