

ANSUL FIRE PROTECTION, WORMALD U.S.INC. -- NITROGEN -- 4210-01-250-6424

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

Product ID:NITROGEN

MSDS Date:06/01/1989

FSC:4210

NIIN:01-250-6424

MSDS Number: BJRHV

=== 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

-735-7411/800-424-9300(CHEMTREC)

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:KEYSTONE FIRE PROTECTION CO.

Address:108 PARK DRIVE, SUITE 3

Box:City:MONTGOMERYVILLE

State:PA

ZIP:18936

Country:US

Phone:215-641-0100/ FAX 215-641-9638

CAGE:1U693

Company Name:KIDDE FENWAL INC

Address:400 MAIN ST

Box:City:ASHLAND

State:MA

ZIP:01721-2150

Country:US

Phone:508

-881-2000  
CAGE:0KDP7

===== 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:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:NITROGEN IS A SIMPLE ASPHYXIAN.  
NITROGEN UNDER HIGH PRESSURE CAN PRODUCE NARCOSIS.  
Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:INHALATION:DIZZINESS, NAUSEA, VOMITING, LOSS OF CONSCIOUSNESS, AND DEATH.  
Medical Cond Aggravated by Exposure:NONE NOTED.

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

First Aid:INHALATION: REMOVE SUBJECT TO FRESH AIR. RESCUE WORKERS, WEAR SCBA. GIVE OXYGEN/CPR AS NEEDED.

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

Flash Point:NONE  
Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:REMOVE CYLINDERS FROM FIRE AREA IF IT COULD BE SAFELY DONE. CYLINDERS MAY RUPTURE ON HEAT OF FIRE.

===== Accidental Release =====

Release Measures =====

Spill Release Procedures: VENTILATE ENCLOSED AREAS TO PREVENT FORMATION OF OXYGEN-DEFICIENT ATMOSPHERES CAUSED BY THE RELEASE OF GASEOUS NITROGEN.

Neutralizing Agent: NONE APPLICABLE FOR THIS MATERIAL

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

Handling and Storage Precautions: STORE IN CLEAN, DRY, WELL VENTILATED AREA, AWAY FROM HEAT ABOVE 125F. KEEP SAFETY CAP IN PLACE DURING TRANSPORT.

Other Precautions: AVOID DRAGGING, ROLLING OR SLIDING CYLINDERS. USE HAND TRUCK. STORE OUTSIDE. KEEP AWAY FROM HEAT, FLAMES AND COMBUSTIBLE MATERIALS. KEEP AWAY FROM HEAVY TRAFFIC AREAS. AVOID EXPOSURE TO SALT OR OTHER CORROSIVE CHEMICALS. REPLACE CAP WHEN NOT IN USE

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

Respiratory Protection: USE SCBA IN OXYGEN-DEFICIENT ATMOSPHERES. CAUTION! RESPIRATORS WILL NOT FUNCTION. USE MAY RESULT IN ASPHYXIATION.

Ventilation: MECHANICAL (GENERAL) VENTILATION AND/OR LOCAL EXHAUST AS NECESSARY. USE LOCAL EXHAUST IN CONFINED AREAS.

Protective Gloves: LEATHER WORK GLOVES.

Eye Protection: SAFETY GLASSES.

Other Protective Equipment: OXYGEN MONITORING EQUIPMENT TO TEST FOR OXYGEN DEFICIENT ATMOSPHERES.

Work Hygienic Practices: STANDARD HYGIENIC PRACTICES.

Supplemental Safety and Health  
NONE.

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

HCC: G3

Vapor Density: 0.98

Solubility in Water: SLIGHT

Appearance and Odor: COLORLESS GAS. NO ODO

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

Stability Indicator/Materials to Avoid:YES

CAN REACT VIOLENTLY WITH LITHIUM, NEODYMIUM AND TITANIUM UNDER PROPER CONDITIONS.

Stability Condition to Avoid:HEAT, OPEN FLAMES.

Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:VENT NITROGEN GAS SLOWLY TO A WELL VENTILATED OUTDOOR LOCATION REMOTE FROM WORK AREAS. DO NOT DISPOSE OF RESI

DUAL NITROGEN IN CYLINDERS. RETURN TO MANUFACTURER WITH RESIDUAL PRESSURE, VALVE TIGHTLY C LOSED, AND VALVE CAPS IN PLACE.

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