

ANSUL FIRE PROTECTION, WORMALD U.S.INC. -- NITROGEN -- 4210-01-204-1508

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Product Identification  
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Product ID:NITROGEN  
MSDS Date:10/01/1992  
FSC:4210  
NIIN:01-204-1508  
MSDS Number: BRKKT  
=== 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

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Composition/Information on Ingredients  
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Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:ASPHYXIAN; 9293

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Hazards Identification  
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LD50 LC50

Mixture:NOT RELEVANT

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE- NITROGEN IS DEFINED AS AN ASPHYXIANT. OXYGEN LEVELS SHOULD BE MAINTAINED AT > 18 MOLAR % AT NORMAL ATMOSPHERIC PRESSURE. NITROGEN IS NONTOXIC BUT LARGE AMOUNT IN A CONFINED AREA COULD DISPLACE OXYGEN. LIQUID CAN CAUSE EYE OR SKIN FROSTBITE. INGESTION IS UNLIKELY. CHRONIC- COMPRESSED AIR ILLNESS.

Effects of Ov

ereposure:DIZZINESS, HEADACHE, DIFFICULTY IN BREATHING, DROWSINESS, UNCONSCIOUSNESS, EYE OR SKIN FROSTBITE

Medical Cond Aggravated by Exposure:NOT KNOWN

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:FLUSH WITH PLENTY OF WATER, THEN WASH WITH SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL:NOT LIKELY TO OCCUR.

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

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL FOR SURROUNDING FIRE. NITROGEN CANNOT CATCH FIRE.

Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. IMMEDIATELY DELUGE CONTAINERS WITH WATER SPRAY FROM MAXIMUM DISTANCE UNTIL COOL, THEN MOVE CONTAINERS AWAY IF NO RISK.

Unusual Fire/Explosion Hazard:CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE. NO PART OF CONTAINER SHOULD BE SUBJECTED TO A TEMPERATURE HIGHER THAN 52C ( 125F). MOST CONTAINERS VENT WHEN HEATED.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. VENTILATE AREA. SHUT OFF LEAK IF WITHOUT RISK. TEST AREA FOR SUFFICIENT OXYGEN CONTENT PRIOR TO PERMIT TING RE-EATERY OF PERSONNEL.

Neutralizing Agent:NONE

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===== Handling and Storage ===

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Handling and Storage Precautions:STORE UPRIGHT, IN COOL, DRY,  
WELL-VENTILATED AREA BELOW 126F AWAY FROM HEAVILY TRAFFICKED AREAS  
& EMERGENCY EXITS.

Other Precautions:CAN CAUSE INJURY/DEATH. BE SURE TO READ & UNDERSTAND  
ALL LABELS & OTHER INSTRUCTIONS.

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

Respiratory Protection:POSITIVE PRESSURE AIR LINE WITH MASK OR  
SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR  
EMERGENCY USE.

Ventilation:LOCAL EXHAUST

Protective Gloves:ANY MATERIAL TO HANDLE CYLINDERS

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:SAFETY SHOES

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING OR  
DRINKING.

Supplemental Safety and Health

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

HCC:G3

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

Vapor Pres:GAS

Vapor Density:0.98

Spec Gravity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Wat

er:VERY SLIGHT

Appearance and Odor:COLORLESS, ODORLESS GAS AT NORMAL TEMPERATURE AND  
PRESSURE

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:TEMPERATURES ABOVE 52 C

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE  
AND FEDERAL REGUL

ATIONS.

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particula  
r situation.