

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

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

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:71

5-735-7411/800-424-9300(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

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

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9293

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

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

=====
===== 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.

=====
===== 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.

=====
===== 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

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

=====

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.

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
particula
r situation.