

ANSUL FIRE PROTECTION,WORMALD U.S.INC. -- NITROGEN -- 6830-00-192-9067
===== Product Identification =====

Product ID:NITROGEN
MSDS Date:06/01/1989
FSC:6830
NIIN:00-192-9067
MSDS Number: BJKLY
=== 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 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 SPECIFIED
ACGIH TLV:ASPHYXIAN; 9192

===== Hazards 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: EVAPORATION OF THE LIQUID FROM THE SKIN CAN PRODUCE FROSTBITE-AVOID N2 LIQUID. IN HIGH CONCENTRATIONS THIS IS A SIMPLE ASPHYXIANT - DIZZINESS,SHORTNESS OF BREATH,UNCONSCIOUSNESS, OR SUFFOCATIO N CAN OCCUR.ANY COMPRESSED GAS CAN BE AT MECHANICAL HAZARDS. CAN CAUSE COMPRESSED AIR ILLNESS WITH CHRONIC OVEREXPOSURE

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN T HIS PRODUCT IS

LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:FROSTBITE OR CHILLING OF SKIN FROM CRYOGENIC LIQUID. GAS CANDISPLACE OXYGEN FOR BREATHING AND RESULT IN DIZZINESS, SHORTNESS OF BREATH.

Medical Cond Aggravated by Exposure:NONE KNOWN

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

First Aid:TREAT FOR FROSTBITE IF NEEDED. IF BURNING OR ITCHING SENSATION OF EYES/SKIN OCCUR, FLUSH WITH WATER FOR 15 MINUTES AND SEEK MEDIC AL ATTENTION. REMOVE VICTIM TO FRESH AIR IN CASE OF OVERDOSE. GIVE MO UTH-TO-MOUTH ARTIFICAIAL RESPIRATION IFNEEDED. GIVE OXYGEN IF BREATHING IS DIFFICULT.

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

Fire Fighting Procedures:GAS CYLINDRES ARE EQUIPPED WITH PRESSUR AND TEMPERATURE RELIEF DEVICES - REMOVE CYLINDERS FROM FIRE OR HIGH TEMPERATURE TO AVOID DANGER OF RUPTURE.

Unusual Fire/Explosion Hazard:NONE REPORTED BY MANUFACTURER.

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===== A
ccidental Release Measures =====

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM RELEASE AREA. VENTILATE TO OUTSIDE.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:PROTECT CYLINDERS FROM PHYSICAL DAMAGE. STORE AWAY FROM EXTREME HEAT. KEEP CYLINDER VALVES CLOSED WHEN NOT IN USE AND WHEN EMPTY.

Other Precautions:DO NOT DEFACE CYLINDERS OR LABELS. HANDLE CYLINDERS WITH PROP

ER CAUTION. STORE CYLINDERS IN A CLEAN, DRY, WELL VENTILLATED AREA AWAY FROM HEAT ABOVE 125F. KEEP CYLINDER CAPPED AND SECURED AGAINST MOVE MENT WHEN NOT IN USE.

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

Respiratory Protection:SCBA MAY BE NEEDED FOR PROLONGED EXPOSURE.
Ventilation:LOCAL EXHAUST MAY BE NEEDED FOR CONFINED SPACE USE. GENERAL MECHANICAL VENTILATION IS ALWAYS RECOMMENDED.
Protective Gloves:WORK GLOVES FOR HANDLING CYLINDERS.
Eye Protection:APP
ROVED SAFETY GLASSES OR FACE SHIELD.
Other Protective Equipment:SAFETY SHOES AND HEARING PROTECTION.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. USE PROPER CARE WHEN HANDLING AND STORING CYLINDERS.
Supplemental Safety and Health
SPECIAL GLOVES, FACE SHIELD, AND OTHER PROTECTIVE CLOTHING MAY BE NEEDED IF HANDLING LIQUID.

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

HCC:G3
Boiling Pt:B.P. Text:-320F,-196C
Vapor D
ensity:0.98 AIR=1
Solubility in Water:SLIGHT
Appearance and Odor:COLORLESS,ODORLESS GAS
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
CAN REACT VIOLENTLY WITH LITHIUM (LI), NEODYMIUM (ND) AND TITANIUM (TI) UNDER CERTAIN CONDITIONS.
Stability Condition to Avoid:NONE REPORTED BY MANUFACTURER
Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:MOVE LEAKY CYLINDER TO OUTDOORS OR VENTILATED HOOD. ALLOW GAS TO DISCHARGE AT MODERATE RATE. DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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