

NATIONAL WELDERS SUPPLY CO INC -- NITROGEN -- 6830-00-192-9067

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

Product ID:NITROGEN
MSDS Date:05/01/1996
FSC:6830
NIIN:00-192-9067
Status Code:A
MSDS Number: CJWDB
=== Responsible Party ===
Company Name:NATIONAL WELDERS SUPPLY CO INC
Address:810 GESCO
Box:31007
City:CHARLOTTE
State:NC
ZIP:28231
Country:US
Info Phone Num:704-333-5475
Emergency Phone Num:704-333-54
75
CAGE:18264
=== Contractor Identification ===
Company Name:NATIONAL WELDERS SUPPLY CO INC
Address:810 GESCO ST
Box:31007
City:CHARLOTTE
State:NC
ZIP:28231
Country:US
Phone:704-333-5475
CAGE:18264

===== 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:NOT SPECI

IFIED BY MANUFACTURER.

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 DEFINED AS A SIMPLE ASPHYXIANT. HIGH CONCENTRATIONS DISPLACE OXYGEN AND CAUSE CENTRAL NERVOUS SYSTEM DYSFUNCTION DUE TO LACK OF OXYGEN.

Explanation of Carcinogenicity:NITROGEN IS NOT CLASSIFIED AS A CARCINOGEN BY NTP, IARC OR OSHA.

Effects of Overexposure:EFFECTS OF EXPOSURE TO HIGH CONCENTRATIONS SO AS TO D

ISPLACE THE OXYGEN IN AIR MAY INCLUDE ANY, ALL OR NONE OF THE FOLLOWING: LOSS OF BALANCE, DIZZINESS, TIGHTNESS IN THE FRONTAL AREA OF FOREHEAD, TIN GLING OF FINGERTIPS/TOES, WEAKENED SPEECH, REDUCED CONSCIOUSNESS OF SURROUNDINGS, LOSS OF TACTILE SENSATIONS.

Medical Cond Aggravated by Exposure:PERSONS IN ILL HEALTH WHERE SUCH ILLNESS WOULD BE AGRAVATED BY EXPOSURE TO NITROGEN SHOULD NOT BE ALLOWED TO WORK OR HANDLE THIS PRODUCT.

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

First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO NITROGEN, RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS. INHALATION: REMOVE TO FRESH AIR. QUICK REMO VAL IS MOST IMPORTANT. GIVE MOUTH-TO-MOUTH RESUSCITATION AND SUPPLEMENTAL OXYGEN. FURTHER TREATMENT SHOULD BE SYMPTOMATIC AND SUPPORTIVE.

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

Flash Point:NONFLAMMABLE

Lower Limits

:NONFLAMMABLE

Upper Limits:NONFLAMMABLE

Extinguishing Media:NONFLAMMABLE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:NONFLAMMABLE. USE PROCEDURES APPROPRIATE FOR SURROUNDING FIRE. NITROGEN IS AN ASPHYXIANT; WEAR SELF-CONTAINED BREATHING APPARATUS IN CONFINED SPACES.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER. IF INVLOVED IN FIRE, KEEP CYLINDERS COOL WITH WATER.

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

Spill

Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN CONTAINER OR CONTAINER VALVE, CONTACT YOUR CLOSEST SUPPLIER LOCATION OR CALL THE EMERGENCY TELEPHONE NUMBER LISTED HEREIN.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PROTECT CYLINDERS FROM PHYSICAL DAMAGE. STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM HEAVILY

TRAFFICKED AREAS AND EMERGENCY EXITS. FOR ADDITIONAL STORAGE RECOMMENDATIONS, CONSULT COMPRESSED GAS ASSOCIATION'S PAMPHLETS P-1, P-9, P-14, AND SAFETY BULLETIN SB-2.

Other Precautions:DO NOT ALLOW TEMPERATURE WHERE CYLINDERS ARE STORED TO EXCEED 130F. CYLINDERS SHOULD BE STORED UPRIGHT AND FIRMLY SECURED TO PREVENT FALLING OR BEING KNOCKED OVER. FULL AND EMPTY CYLINDERS SHOULD BE SEGREGATED.

===== 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 TO PREVENT ACCUMULATION OF HIGH CONCENTRATIONS SO AS TO REDUCE THE OXYGEN LEVEL IN THE AIR TO < 18 MOLAR

Protective Gloves:ANY MATERIAL

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:SAFETY SHOES

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

VALVE PROTECTION

SHOULD REMAIN IN PLACE UNLESS CONTAINER IS SECURED WITH VALVE OUTLET PIPED TO USE POINT. USE A PRESSURE REDUCING REGULATOR WHEN CONNECTING CYLINDER TO LOWER PRESSURE. USE A CHECK VALVE OR TRAP TO PREVENT BACKFLOW. NSN FOR CYLINDER IS 8120-01-134-9896.

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

HCC:G3

Boiling Pt:=-195.8C, -320.5F

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

Melt/Freeze Pt:=-209.4C, -345.F

M.P/F.P Text:-345F,-209C

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:N

OT GIVEN

Spec Gravity:0.97

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:VERY SLIGHTLY

Appearance and Odor:COLORLESS, ODORLESS GAS (GAS DENSITY= 0.0725LB/CU FT)

Percent Volatiles by Volume:100 %

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

=====

===== Toxicological Information =====

Toxicological Information:NITROGEN IS NON-TOXIC BUT THE LIBERATION OF A LARGE AMOUNT IN A CONFINED AREA COULD DISPLACE THE AMOUNT OF OXYGEN IN AIR NECESSARY TO SUPPORT LIFE.

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

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER, PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE TO YOUR SUPPLIER.

===== MSDS Transport Information =====

Transport Information:NITROGEN, COMPRESSED,2.2,UN1066. LABEL= NON-FLAMMABLE GAS.

===== Regulatory Information =====

SARA Title III Information:REPORTING UNDER SARA TITLE III SEC 313 NOT REQUIRED.

===== Other Information =====

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 particular situation.