

NATIONAL WELDERS -- NITROGEN -- 6830-01-122-2652

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

Product ID:NITROGEN

MSDS Date:11/20/1988

FSC:6830

NIIN:01-122-2652

MSDS Number: BHFDZ

=== Responsible Party ===

Company Name:NATIONAL WELDERS

Address:810 GESCO

Box:31007

City:CHARLOTTE

State:NC

ZIP:28231

Country:US

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

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.

NITRO

GEN IS NONTOXIC BUT IN THE LIBERATION OF A LARGE AMOUNT IN A CONFINED AREA COULD DISPLACE THE AMOUNT OF OXYGEN IN AIR NECESSARY TO SUPPORT LIFE.

Effects of Overexposure: SYMPTOMS INCLUDE: DIZZINESS, TIGHTNESS OF FOREHEAD, TINGLING OF TONGUE, FINGERTIP & TOES, WEAKENED SPEECH, RAPID REDUCTION IN ABILITY TO PERFORM MOVEMENTS, REDUCED CONSCIOUSNESS OF SURROUNDINGS, LOSS OF TACTILE SENSATIONS, HEIGHTENED MENTAL ACTIVITY. ANY, ALL, OR NONE OF THE ABOVE MAY OCCUR.

=====

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

First Aid: INHALATION: CONSCIOUS PERSONS SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA AND INHALE FRESH AIR. UNCONSCIOUS PERSON SHOULD BE MOVED TO UNCONTAMINATED AREA AND GIVEN CPR AND SUPPLEMENTAL OXYGEN. FURTHER TREATMENT SHOULD BE SYMPTOMATIC AND SUPPORTIVE.

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

Extinguishing Media: NONFLAMMABLE, INERT GAS

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

Spill Release Procedures: EVACUATE ALL PERSONNEL FROM AREA. USE APPROPRIATE PROTECTIVE EQUIP. IF LEAK IS IN CONTAINER OR CONTAINER VALVE, CONTACT YOUR CLOSEST SUPPLIER.

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

Handling and Storage Precautions: USE/STORE IN COOL, DRY, WELL VENTILATED AREA. STORE CYLINDERS UPRIGHT & FIRMLY SECURED. DO NOT LET TEMPERATURE EXCEED 130°F. SEGREGATE FULL/EMPTY CYLINDERS.

Other Precautions: COMPRESSED GAS CYLINDERS SHOULD NOT BE REFILLED EXCEPT BY QUALIFIED PRODUCERS OF COMPRESSED GASES. USE A CHECK VALVE OR TRAP IN THE DISCHARGE LINE TO PREVENT HAZARDOUS BACK FLOW INTO THE CYL. VALVE PROTECTION CAPS MUST REMAIN IN PLACE.

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

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

Ventilation: TO PREVENT ACCUMULATION OF HIGH CONCENTRATIONS

NS SO AS TO

REDUCE THE OXYGEN LEVEL IN THE AIR TO LESS THAN 18 MOLAR %.

Protective Gloves:ANY MATERIAL

Eye Protection:SAFETY GOGGLES OR GLASSES

Other Protective Equipment:SAFETY SHOES

Supplemental Safety and Health

NK

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

Boiling Pt:B.P. Text:-320F/-195C

Vapor Pres:\*SEE BELOW

Vapor Density:\*SEE BELOW

Spec Gravity:@70F/21C = 0.97

Solubility in Water:VERY SLIGHTLY

Appearance and Odor:COLORLESS, ODORLESS GAS

=====

== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NK \*VAP DENS: .0725 LB/FT<sup>3</sup> (1.161 KG/M<sup>3</sup>)

Stability Condition to Avoid:NK \*VAP PRES:@70F/21C ABOVE THE CRITICAL  
TEMP OF -232F/-147C

===== 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 & VALVE P  
ROTECTION CAP IN  
PLACE TO YOUR SUPPLIER.FOR EMERG DISPOSAL CONTACT YOUR SUPPLIER.

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.