

NATIONAL WELDERS SUPPLY CO INC -- NITROGEN -- 6830-00-782-2643

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

Product ID:NITROGEN

MSDS Date:01/01/1991

FSC:6830

NIIN:00-782-2643

MSDS Number: BJLJW

=== 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:704-333-5475

CAGE:18264

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== 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

Company Name:NATIONAL WELDERS SUPPLY CO INC

Address:HWY 117 NORTH

Box:1093

City:GOLDSBORO

State:NC

ZIP:27530-8560

Country:US

CAGE:9C482

Company Name:NATIONAL WELDERS SUPPLY CO, INC

Address:2330 BOWDENS FERRY ROAD

Box:City:NORFOLK

State:VA

ZIP:23508

Country:US

Phone:804-627-5673

CAGE:0SSR7

===== 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 SPECIFIED 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  
ASPHYXIAN. NITROGEN IS NO  
N-TOXIC BUT THE LIBERATION OF LARGE  
AMOUNTS IN A CONFINED AREA COULD DISPLACE THE AMOUNT OF OXYGEN IN  
AIR NECESSARY TO SUPPORT LIFE. OXYGEN LEVELS SHOULD BE MAINTAINED  
AT >18 MOLAR PERCENT AT NORMAL ATMOSPHERIC PRESSURE WHICH IS  
EQUIVALENT TO 135 MM HG PART.PRES  
Explanation of Carcinogenicity:NITROGEN IS NOT CLASSIFIED AS A  
CARCINOGEN BY NTP, IARC OR OSHA.  
Effects of Overexposure:EFFECTS OF EXPOSURE TO HIGH CONCENTRATIONS  
WHICH DISPLACE OXYGEN IN AIR MAY INCLUDE: LOSS OF  
BALANCE,  
DIZZINESS, TIGHTNESS IN THE FRONTAL AREA OF FOREHEAD, TINGLING OF  
TONGUE/FINGERTIPS/TOES, REDUCED CONSCIOUSNESS OF SURROUNDINGS,  
LOSS OF TACTILE SENSATIONS, HEIGHTEND MENTAL ACTIVITY, RAPID LOSS  
OF ABILITY TO DO TASKS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== 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 REMOVAL IS MOST IMPORTANT. GIVE MOUTH-TO-MOUTH  
RESUSCITATION 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 AFFECTE

D 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.

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===== 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.

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.

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===== 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:USE ONLY IN WELL VENTILATED AREAS.

Supplemental Safety and Health

VALVE PROTECTION SHOULD REMAIN IN PLACE UNLESS CONTAINER IS SECURED WITH VALVE OUTLET PIPED TO USE POINT. DO NOT DRAG, SLIDE OR ROLL CYLINDERS. USE A SUITABLE HAND TRUCK FOR TRANSPORT. USE A PRESSURE

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REDUCING REGULATOR WHEN CONNECTING CYLINDER TO LOWER PRESSURE. USE A CHECK VALVE OR TRAP TO PREVENT BACKFLOW.

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

HCC:G3

NRC/State Lic Num:NONE

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

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

Vapor Density:0.97

Spec Gravity:0.97

Solubility in Water:VERY SLIGHTLY

Appearance and Odor:COLORLESS, ODORLESS GAS

Percent Volatiles by Volume:100 %

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

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Stability Indicator/Materials to Avoid: YES  
NONE  
Hazardous Decomposition Products: NONE

===== 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.

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