

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.
NITROG

EN 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.

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===== 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 =====

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Spill Release Procedures: EVACUATE ALL PERSONNEL FROM AREA. USE
APPROPRIATE PROTECTIVE EQUIP. IF LEAK IS IN CONTAINER OR CON-
TAINER 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 CONCENTRATION

S 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

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= Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NK *VAP DENS: .0725 LB/FT3 (1.161 KG/M3)

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 PROTECTION CAP IN

PLACE TO YOUR SUPPLIER.FOR EMERG DISPOSAL CONTACT YOUR SUPPLIER.

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