

NATIONAL WELDERS SUPPLY CO INC -- NITROGEN -- 6830-00-656-1596

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

Product ID:NITROGEN
MSDS Date:05/01/1996
FSC:6830
NIIN:00-656-1596
MSDS Number: BHDRV
=== 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(X308)/FAX 344-1711
Emergency Phone Num:800-86
6-4422/800-424-9300(CHEMTREC)
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
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 #:QW97000

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Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9596

===== Hazards Identification =====

LD50 LC50 Mixture:NONE 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 A SIMPLE ASHPHYXIAN.OXYGEN

LEVELS SHOULD BE MAINTAINED @>18MOLAR% @NORMAL ATM

PRESSURE.NITROGEN IS NONTOXIC BUT LIBERATION OF LG AMTS I

N CONFINED

AREA COULD DISPLACE THE AMT OF OXYGEN IN AIR NECESSARY TO SUPPORT LIFE.

Explanation of Carcinogenicity:PER MSDS:NOT LISTED IN IARC/NTP/OSHA AS CARCINOGEN OR POTENTIAL CARCINOGEN.

Effects of Overexposure:LOSS OF BALANCE/DIZZ,TIGHTNESS IN FRONTAL AREA OF FOREHEAD,TINGLING OF TONGUE/FINGERTIPS/TOES,WEAKENED SPEECH LEADING TO INABILITY TO UTTER SOUNDS,RAPID REDUCTION IN ABILITY TO PERFORM MOVEMENTS,REDUC ED CONSC OF SURROUNDINGS,LOSS OF TACTILE SENSATIONS,HEIG
HTENED MENTAL ACTIVITY.

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

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

First Aid:PROMPT MED ATTN IS MANDATORY IN ALL CASES OF OVEREXPO TO NITROGEN.RESCUE PERSONNEL SHOULD BE EQUIPPED W/SCBA.INHAL:MOVE TO FRESH AIR.QUICK REMOVAL FROM CONTA AREA IS MOST IMPORTANT.UNCONSC PERSON
SHOU LD BE MOVED TO UNCONTAMIN AREA GIVEN ASSISTED RESP/SUPPL OXY.FURTHER TREATMENT SHOULD BE SYMPTOMATIC & SUPPORTIVE.

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

Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:NONFLAMMABLE, INERT GAS.

Fire Fighting Procedures:IF CYLINDERS ARE INVOLVED IN FIRE,SAFELY RELOCATE OR KEEP COOL W/WATER SPRAY.

Unusual Fire/Explosion Hazard:NONE.

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Accidental Release Measures =====

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

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED AREA.VALVE PROTECTIVE CAP MUST REMAIN IN PLACE UNLESS CYL SECURED W/VALVE OUTLET PIPE TO USE POINT.DON'T DRAG/SLIDE/ROLL CYL;USE HAND TRUCK.

Other Precautions:USE PRESSURE REDUCING REG WHEN CONNECT CYL TO LOWER PRESSURE SYS.DON'T HEAT CYL TO INCREASE DISCHARGE RATE.USE CHECK VALVE/TRAP IN DISCHARGE LINE-AVOIDS BACKFLOW.PROTECT FROM PHYSICAL DAMAGE.STORE IN COOL DRY AREA AWAY FROM HEAVY TRAFFIC/EMERGENCY EXITS(SUP)

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

Respiratory Protection:POSITIVE PRESSURE AIR SUPPLY OR NEARLY SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Ventilation:TO PREVENT ACCUMULATION OF HIGH CONCENTRATION SO AS TO REDUCE OXYGEN LEVEL IN THE AIR TO LESS THAN 18% PERCENT.

Protective Gloves:ANY MATERIAL.

Eye Protection:SAFETY GOGGLES OR GLASSES.

Other Protective Equipment:SAFETY SHOES.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

OTHER PRECAUTIONS:STORE UPRIGHT/FIRMLY SECURED TO PREVENT FALLING/KNOCK OVER.SEGREGATE FULL/EMPTY CYL.USE FIRST IN FIRST OUT INVENTORY

SYSTEMS.REF:COMPRESSED GAS ASSOCIATION PAMPHLETS P-1,P-9,P-14,SAFETY BULLETIN

SB-2.COMPRESSED GAS CYL SHOULD NOT BE REFILLED EXCEPT BY QUALIFIED PRODUCERS OF COMPRESSED GAS;FEDERAL LAW.NEVER TRANSPORT IN VEHICLE TRUNK/ENCLAVE VAN/ETC

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

HCC:G3

Boiling Pt:Boiling Point Text:-320F,-196C

Melt/Freeze Pt:Melting Point Text:-346F,-210C

Decomp Temp:Decomposition Text:NP

Vapor Pressure:-232.6F

Vapor Density:NP

Specific Gravity:0.97

pH:NP

Viscosity

sity:NP
Evaporation Rate & Reference:NA (GAS)
Solubility in Water:VERY SLIGHTLY
Appearance and Odor:COLORLESS, ODORLESS GAS.
Percent Volatiles by Volume:NP
Corrosion Rate:NP

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

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

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

Waste Disposal Methods:DON'T ATTEMPT DISPO OF WASTE/UNUSED
QUANT.RETURN
IN SHIPPING CNTNR PROPERLY LABEL W/ANY VALVE OUTLET PLUGS/CAPS
SECURED & VALVE PROTECTION CAP IN PLACE TO SUPPLIER.EMERG DISPO
ASSIST CONTACT CLOSEST SUPPLIER LOCATION/EMERG PHONE #LISTED
HEREIN.

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