

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

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Product Identification  
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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:800-8  
66-4422/800-424-9300(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

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Composition/Information on Ingredients  
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Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700

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Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9596

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===== 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

IN 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,HEI

GHTENED 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.

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===== 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 PERSO

N SHOU LD BE MOVED TO UNCONTAMIN AREA GIVEN ASSISTED RESP/SUPPL OXY.FURTHER TREATMENT SHOULD BE SYMPTOMATIC & SUPPORTIVE.

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===== 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 VENTI AREA.VAL PROT CAP MUST R

EMAIN IN PLACE UNLESS CYL SECURED W/VAL OULTET PIPE TO USE PT.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 INCR DISCHARGE RATE.USE CHECK VAL/TRAP IN DISCHARGE LINE-AVOIDS BACKFLOW.PROTECT FRM PHY DMG.STORE IN COOL DRY AREA A WAY FROM HEAVY TRAFFIC/EMERG EXISTS(SUP)

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

Respiratory Protection:POSITIVE PRESSURE AIR L INE W/MASK OR

SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Ventilation:TO PREVENT ACCUMULATION OF HIGH CONC SO AS TO REDUCE OXYGEN LEVEL IN THE AIR TO LESS THAN 18MOLAR 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 PREC:STORE UPRIGHT/FIRMLY SECURED TO PREVENT FALLING/KNOCK OVER.SEGRE

GATE FULL/EMPTY CYL.USE FIRST IN FIRST OUT INVENTORY

SYS.REF:COMPRESSED GAS ASSOC PAMPHLETS P-1,P-9,P-14,SAF BULLETIN SB-2.CO MP GAS CYL SHOULDN'T BE REFILLED EXCEPTBY QUAL PRODUCERS OF COMP GAS;FED LAW.NEVER TRANSP IN VEHICLE TRUNK/ENCL VAN/ETC

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

HCC:G3

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

Melt/Freeze Pt:M.P/F.P Text:-346F,-210C

Decomp Temp:Decomp Text:NP

Vapor Pres:-232.6F

Vapor Density:NP

Spec Gravity:0.97

pH:NP

Visc

osity: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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