

NITROGEN

MSDS Number

BHDRV

National Stock Number

6830-00-656-1596

Product Name

NITROGEN

Manufacturer

NATIONAL WELDERS SUPPLY CO INC

Product Identification

Product ID:NITROGEN
MSDS Date:05/01/1996
FSC:6830
NIIN:00-656-1596
MSDS Number: BHDRV

Responsible Party

NATIONAL WELDERS SUPPLY CO INC

810 GESCO

CHARLOTTE , NC 28231

US

Emergency Phone: 800-866-4422/800-424-9300(CHEMTREC)

Info Phone: 704-333-5475(X308)/FAX 344-1711

Cage: 18264

Contractor

NATIONAL WELDERS SUPPLY CO, INC

NORFOLK, VA 23508

US

804-627-5673

Cage: 0SSR7

Ingredients

NITROGEN

CAS: 7727-37-9

RTECS: QW9700000

Fraction By Weight: 100%

ACGIH TLV: ASPHYXIAN; 9596

Hazards

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 ASPHYXIAN.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,HEIGHTENED 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

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

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.

Accidental Release

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 H EREIN.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:USE ONLY IN WELL VENTI AREA.VAL PROT
CAP MUST REMAIN 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

Respiratory Protection:POSITIVE PRESSURE AIR LINE 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.SEGREGATE 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

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
Viscosity: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

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

Disposal

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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