

NITROGEN

MSDS Number

CJWDB

National Stock Number

6830-00-192-9067

Product Name

NITROGEN

Manufacturer

NATIONAL WELDERS SUPPLY CO INC

Product Identification

Product ID:NITROGEN
MSDS Date:05/01/1996
FSC:6830
NIIN:00-192-9067
Status Code:A
MSDS Number: CJWDB

Responsible Party

NATIONAL WELDERS SUPPLY CO INC

810 GESCO

CHARLOTTE , NC 28231

US

Emergency Phone: 704-333-5475

Info Phone: 704-333-5475

Cage: 18264

Contractor

NATIONAL WELDERS SUPPLY CO INC

31007

CHARLOTTE, NC 28231

US

704-333-5475

Cage: 18264

Ingredients

NITROGEN

CAS: 7727-37-9

RTECS: QW9700000

Fraction By Weight: 100%

ACGIH TLV: ASPHYXIAN; 9192

Hazards

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. HIGH CONCENTRATIONS DISPLACE OXYGEN AND CAUSE CENTRAL
NERVOUS SYSTEM DISFUNCTION DUE TO LACK OF OXYGEN.
Explanation of Carcinogenicity:NITROGEN IS NOT CLASSIFIED AS A
CARCINOGEN BY NTP, IARC OR OSHA.

Effects of Overexposure:EFFECTS OF EXPOSURE TO HIGH CONCENTRATIONS SO AS TO DISPLACE THE OXYGEN IN AIR MAY INCLUDE ANY, ALL OR NONE OF THE FOLLOWING: LOSS OF BALANCE, DIZZINESS, TIGHTNESS IN THE FRONTAL AREA OF FOREHEAD, TIN GLING OF FINGERTIPS/TOES, WEAKENED SPEECH, REDUCED CONSCIOUSNESS OF SURROUNDINGS, LOSS OF TACTILE SENSATIONS. Medical Cond Aggravated by Exposure:PERSONS IN ILL HEALTH WHERE SUCH ILLNESS WOULD BE AGRAVATED BY EXPOSURE TO NITROGEN SHOULD NOT BE ALLOWED TO WORK OR HANDLE THIS PRODUCT.

First Aid

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 REMO VAL IS MOST IMPORTANT. GIVE MOUTH-TO-MOUTH RESUSCITATION AND SUPPLEMENTAL OXYGEN. FURTHER TREATMENT SHOULD BE SYMPTOMATIC AND SUPPORTIVE.

Fire Fighting

Flash Point:NONFLAMMABLE
Lower Limits:NONFLAMMABLE
Upper Limits:NONFLAMMABLE
Extinguishing Media:NONFLAMMABLE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:NONFLAMMABLE. USE PROCEDURES APPROPRIATE FOR SURROUNDING FIRE. NITROGEN IS AN ASPHYXIANT; WEAR SELF-CONTAINED BREATHING APPARATUS IN CONFINED SPACES.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER. IF INVLOVED IN FIRE, KEEP CYLINDERS COOL WITH WATER.

Accidental Release

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN CONTAINER OR CONTAINER VALVE, CONTACT YOUR CLOSEST SUPPLIER LOCATION OR CALL THE EMERGENCY TELEPHONE NUMB ER LISTED HEREIN.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:PROTECT CYLINDERS FROM PHYSICAL DAMAGE. STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM HEAVILY TRAFFICKED AREAS AND EMERGENCY EXITS. FOR ADDITIONAL STORAGE RECOMMENDATIONS, CONSULT COMPRESSED GAS ASSOCIATION'S PAMPHLETS P-1, P-9, P-14, AND SAFETY BULLETIN SB-2.
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 CYLINERS SHOULD BE SE GREGATED.

Exposure Controls

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:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
VALVE PROTECTION SHOULD REMAIN IN PLACE UNLESS CONTAINER IS SECURED WITH VALVE OUTLET PIPED TO USE POINT. USE A PRESSURE REDUCING REGULATOR WHEN CONNECTING CYLINDER TO LOWER PRESSURE. USE A CHECK VALV E OR TRAP TO PREVENT BACKFLOW. NSN FOR CYLINDER IS 8120-01-134-9896.

Chemical Properties

HCC:G3

Boiling Pt:=-195.8C, -320.5F
B.P. Text:-320F,-196C
Melt/Freeze Pt:=-209.4C, -345.F
M.P/F.P Text:-345F,-209C
Decomp Temp:Decomp Text:NOT GIVEN
Vapor Pres:NOT GIVEN
Spec Gravity:0.97
Evaporation Rate & Reference:NOT GIVEN
Solubility in Water:VERY SLIGHTLY
Appearance and Odor:COLORLESS, ODORLESS GAS (GAS DENSITY= 0.0725LB/CU
FT)
Percent Volatiles by Volume:100 %

Stability

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

Disposal

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 SUPPL IER.

Toxicology

Toxicological Information:NITROGEN IS NON-TOXIC BUT THE LIBERATION OF A
LARGE AMOUNT IN A CONFINED AREA COULD DISPLACE THE AMOUNT OF OXYGEN
IN AIR NECESSARY TO SUPPORT LIFE.

Other Information

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.

Transport

Transport Information:NITROGEN, COMPRESSED,2.2,UN1066. LABEL=
NON-FLAMMABLE GAS.

Regulatory

SARA Title III Information:REPORTING UNDER SARA TITLE III SEC 313 NOT
REQUIRED.