

NITROGEN

MSDS Number

BHFDZ

National Stock Number

6830-01-122-2652

Product Name

NITROGEN

Manufacturer

NATIONAL WELDERS

Product Identification

Product ID:NITROGEN
MSDS Date:11/20/1988
FSC:6830
NIIN:01-122-2652
MSDS Number: BHFDZ

Responsible Party

NATIONAL WELDERS
810 GESCO
CHARLOTTE , NC 28231
US
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
ACGIH TLV: ASPHYXIAN; 9192

Hazards

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.
NITROGEN IS NONTOXIC BUT IN THE LIBERATION OF ALARGE AMOUNT IN A
CONFINED AREA COULD DISPLACE THE AMOUNT OF OXYGEN IN AIR NECESSARY
TO SUPPORT LIFE.
Effects of Overexposure:SYMPTOMS INCLUDE: DIZZINES, TIGHTNESS OF
FOREHEAD, TINGLING OF TONGUE, FINGERTIP& TOES, WEAKENED SPEECH,
RAPID REDUCTION IN ABILITY TO PERFORM MOVEMENTS, RE- DUCED
CONSCIOUSNESS OF SURROUNDINGS, LOS S OF TACTILE SENSATIONS,
HEIGHTENEDMENTAL ACTIVITY. ANY, ALL, OR NONE OF THE ABOVE MAY
OCCUR.

First Aid

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

Extinguishing Media: NONFLAMMABLE, INERT GAS

Accidental Release

Spill Release Procedures: EVACUATE ALL PERSONNEL FROM AREA. USE APPROPRIATE PROTECTIVE EQUIP. IF LEAK IS IN CONTAINER OR CONTAINER VALVE, CONTACT YOUR CLOSEST SUPPLIER.

Handling

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

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 CONCENTRATIONS 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

Chemical Properties

Boiling Pt: B.P. Text: -320°F/-195°C
Vapor Pres: *SEE BELOW
Vapor Density: *SEE BELOW
Spec Gravity: @70°F/21°C = 0.97
Solubility in Water: VERY SLIGHTLY
Appearance and Odor: COLORLESS, ODORLESS GAS

Stability

Stability Indicator/Materials to Avoid: YES
NK *VAP DENS: .0725 LB/FT³ (1.161 KG/M³)
Stability Condition to Avoid: NK *VAP PRES: @70°F/21°C ABOVE THE CRITICAL TEMP OF -232°F/-147°C

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 & VALVE PROTECTION CAP IN PLACE TO YOUR SUPPLIER. FOR EMERG DISPOSAL CONTACT YOUR SUPPLIER.

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