

NITROGEN

MSDS Number

BJLGN

National Stock Number

6830-00-327-2929

Product Name

NITROGEN

Manufacturer

NATIONAL WELDERS SUPPLY CO INC

Product Identification

Product ID:NITROGEN
MSDS Date:11/25/1985
FSC:6830
NIIN:00-327-2929
MSDS Number: BJLGN

Responsible Party

NATIONAL WELDERS SUPPLY CO INC

810 GESCO

CHARLOTTE , NC 28231

US

Emergency Phone: 704-333-5475-308/800-424-9300(CHEM)

Info Phone: 704-333-5475-308

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 NONTOXIC BUT THE
LIBERATION OF A LARGE AMOUNT IN A CONFINED AREA COULD DISPLACE THE
AMOUNT OF OXYGEN IN AIR. IT IS DEFINED AS A SIMPLE
ASPHYXIAN.OXYGEN LEVELS SHOULD BE MAINTAINED AT GREATER THAN 18
MOLAR PERCENT AT NORMAL ATMOSPHERIC PRESSURE WHICH IS EQUIVALENT TO
A PARTIAL PRESSURE OF 135 MM HG
Effects of Overexposure:INHALATION:HIGH CONCENTRATION OF NITROGEN
DISPLACES OXYGEN IN AIR NECESSARY FOR LIFE AND MAY CAUSE LOSS OF
BALANCE/ DIZZINESS, TIGHTNESS IN THE FRONTAL AREA OF THE FOREHEAD &

TINGLING IN THE TONGUE, FINGER TIPS/TOES, WEAKENED SPEECH, REDUCED CONSCIOUSNESS, LOSS OF TACTILE SENSATIONS AND HEIGHTENED MENTAL ACTIVITY.

Medical Cond Aggravated by Exposure: NONE

First Aid

First Aid: PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO THIS GAS. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS. INHALATION: CONSCIOUS PERSONS SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA AND INHALE FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST IMPORTANT. UNCONSCIOUS PERSONS SHOULD BE MOVED TO FRESH AIR, GIVEN CPR AND SUPPLEMENTAL OXYGEN.

Fire Fighting

Extinguishing Media: NONFLAMMABLE, INERT GAS

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 SUPPLIER OR CALL THE EMERGENCY TELEPHONE NUMBER LISTED HEREIN.

Neutralizing Agent: NONE

Handling

Handling and Storage Precautions: STORE UPRIGHT, IN A COOL, DRY, WELL VENTILATED AREA BELOW 131°F. USE ONLY IN WELL VENTILATED AREA. DO NOT DRAG, SLIDE OR ROLL CYLINDERS.

Other Precautions: DO NOT HEAT CYLINDER TO INCREASE THE DISCHARGE RATE OF PRODUCT FROM THE CYLINDER. USE A FIRST-IN FIRST-OUT INVENTORY SYSTEM. VALVE PROTECTION CAPS MUST REMAIN IN PLACE UNLESS CONTAINER IS SECURED WITH VALVE OUTLET PIPED TO USE POINT.

Exposure Controls

Respiratory Protection: POSITIVE PRESSURE AIR LINE WITH MASK OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Ventilation: LOCAL EXHAUST

Protective Gloves: ANY MATERIAL

Eye Protection: SAFETY GLASSES OR GOGGLES

Other Protective Equipment: SAFETY SHOES

Work Hygienic Practices: WASH HANDS. DO NOT SMOKE.

Supplemental Safety and Health

THIS NSN HAS BEEN CANCELLED. THIS ITEM DID CONTAIN 3,000 PSI. REFER TO NSN 6830-01-265-4068 WHICH CONTAIN 3,500 PSI.

Chemical Properties

HCC: G3

Boiling Pt: B.P. Text: -321°F, -196°C

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

Vapor Density: 0.0725

Spec Gravity: 0.97

Solubility in Water: VERY SLIGHTLY

Appearance and Odor: COLORLESS, ODORLESS GAS

Stability

Stability Indicator/Materials to Avoid: YES

NONE

Hazardous Decomposition Products: NONE

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 SUPPLIER. CALL THE EMERGENCY TELEPHONE NUMBER FOR DISPOSAL.

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