

NATIONAL WELDERS SUPPLY CO INC -- HELIUM -- 6830-00-660-0027

===== Product Identification =====

Product ID:HELIUM
MSDS Date:11/25/1985
FSC:6830
NIIN:00-660-0027
MSDS Number: BJZBT
=== 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:800-866-44
22/800-424-9300(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

===== Composition/Information on Ingredients =====

Ingred Name:HELIUM
CAS:7440-59-7
RTECS #:MH6520000
Other REC Limits:NONE SPECIFIED

===== Hazards Identification =====

Health Hazards Acute and Chronic:EFFECTS OF EXPOSURE T

O HIGH

CONCENTRATIONS SO AS TO DISPLACE THE OXYGEN IN THE AIR NECESSARY FOR LIFE ARE HEADACHE, DIZZINESS, LABORED BREATHING AND EVENTUAL UNCONSCIOUSNESS. BREATHING MIXTURES OF HELIUM WITH ADEQUATE OXYGEN TO SUPPORT LIFE MODIFIES THE VOICE SOUND SO THAT IT IS HIGHER "PITCHED".

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First Aid Measures
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First Aid: PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO HELIUM. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH

SELF-CONTAINED BREATHING APPARATUS. INHALATION: QUICKLY REMOVE TO FRESH AIR. MOVE UNCONSCIOUS PERSONS TO UNCONTAMINATED AREA. GIVE MOUTH-TO-MOUTH RESUSCITATION AND SUPPLEMENTAL OXYGEN. FURTHER TREATMENT SHOULD BE SYMPTOMATIC AND SUPPORTIVE.

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Fire Fighting Measures
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Flash Point: NA
Extinguishing Media: NONFLAMMABLE, INERT GAS.

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Accidental Release Measures
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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 NUMBER LISTED HEREIN.

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Exposure Controls/Personal Protection
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Supplemental Safety and Health
HELIUM IS DEFINED AS A SIMPLE ASPHYXIAN. MAINTAIN OXYGEN LEVELS AT GREATER THAN 18 MOLAR PERCENT AT NORMAL ATMOSPHERIC PRESSURE WHICH IS EQUIVALENT TO A PARTIAL PRESSURE OF 135 MM HG. HELIUM IS NONTOXIC BUT THE LIBERATION OF A LARGE AMOUNT IN A CONFINED AREA COULD DISPLACE AMOUNT OF OXYGEN IN AIR NECESSARY FOR LIFE.

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Physical/Chemical Properties
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HCC: G3
Boiling Pt: B.P. Text: -452F, -269C
Melt/Freeze Pt: M.P/F.P Text: -457F, -271C
Decomp Temp: Decomp Text: N/K *LB/FT3
Vapor Density: .0103 *
Spec Gravity: .138 @ 70 F
Solubility in Water: NEGLIGIBLE
Appearance and Odor: COLORLESS, ODORLESS GAS

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Stability and Rea

ctivity Data =====

Stability Indicator/Materials to Avoid: YES

===== Disposal Considerations =====

Waste Disposal Methods: DO NOT DISPOSE OF WASTE OR UNUSED AMOUNTS.
RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED W/VALVE OUTLET
PLUGS OR CAPS SECURED & VALVE PROTECTION CAP IN PLACE TO YOUR
SUPPLIER. FOR EMERG DISPOSAL, CONTACT CLOSEST SUPPLIER OR CALL THE
EMERG NUMBER.

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