

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 ASPHYXIANT. 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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