

NATIONAL WELDERS SUPPLY CO INC -- HELIUM -- 6830-00-660-0026

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

Product ID:HELIUM  
MSDS Date:11/25/1985  
FSC:6830  
NIIN:00-660-0026  
MSDS Number: BJZWR  
=== 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

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

Health Hazards Acute and Chronic: EFFECTS OF EXPOSURE TO 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".

===== First Aid Measures =====

First Aid:PROMPT MEDICAL ATTENTION MANDATORY IN ALL CASES OF OVEREXPOSURE TO HELIUM. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS. INHALATION: REMOVE TO UNCONTAMINATED AREA AND INHALE FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST IMPORTANT. GIVE MOUTH-TO-MOUTH RESUSCITATION & SUPPLEMENTAL OXYGEN TO UNCONSCIOUS PERSON. FURTHER TREATMENT SYMPTOMATIC & SUPPORTIVE.

===== Fire Fighting Measures =====

Extinguishing Media:NONFLAMMABLE, INERT GAS

===== Accidental Release Measures =====

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.

===== Handling and Storage =====

Handling and Storage Precautions:\*YOUR CLOSEST SUPPLIER LOCATION OR CALL THE EMERGENCY TELEPHONE NUMBER LISTED HEREIN.

===== Exposure Controls/Personal Protection =====

Supplemental Safety and Health

HELIUM IS A SIMPLE ASPHYXIANT. OXYGEN LEVELS WOULD BE MAINTAINED AT GREATER THAN 18 MOLAR PERCENT AT NORMAL ATMOSPHERIC PRESS WHICH IS EQUIVALENT TO PARTIAL PRESS OF 135 MMHG(ACGIH, 1985-86). HELIUM IS NONTOXIC. LIBERATION OF A LARGE AMT IN A CONFINED AREA COULD DISPLACE OXYGEN AMOUNT IN AIR NECESSARY TO SUPPORT LIFE.

===== Physical/Chemical Properties =====

HCC:G3  
Boiling Pt:B.P. Text:-452F,-269C  
Melt/Freeze Pt:M.P/F.P Text:-457F,-272C  
Decom

p Temp:Decomp Text:\*LB/FT3  
Vapor Pres:-450.3F  
Vapor Density:.0103 \*  
Spec Gravity:.138 @ 70 F  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:COLORLESS; ODORLESS GAS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

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

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED  
QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH  
ANY V  
ALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN  
PLACE TO YOUR SUPPLIER. FOR EMERGENCY DISPOSAL ASSISTANCE, CONTACT  
\*

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.