View NSN Online: https://aerobasegroup.com/nsn/6830-00-660-0027 US BUREAU OF MINES, HELIUM OPNS -- HELIUM -- 6830-00-660-0027 Product ID:HELIUM MSDS Date:07/14/1993 FSC:6830 NIIN:00-660-0027 MSDS Number: CCMJD === Responsible Party === Company Name: US BUREAU OF MINES, HELIUM OPNS Address:1100 S FILLMORE ST City: AMARILLO State:TX ZIP:79101-4318 Country:US Info Phone Num:806-376-2638 Emergency Phone Num:806-376-2638 CAGE:0JBD1 === Contractor Identification === Company Name: US BUREAU OF MINES, HELIUM OPNS Address:1100 S FILLMORE ST Box:City:AMARILLO State:TX ZIP:79101-4318 Country:US Phone:806-376-2638 CAGE:0JBD1 ======= Composition/Information on Ingredients ======== Ingred Name: HELIUM

Ingred Name:HELIUM CAS:7440-59-7 RTECS #:MH6520000 Fraction by Wt: >99%

Other REC Limits: NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT GIVEN Routes of Entry: Inhalation:YES S

kin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:NON-TOXIC. SIMPLE ASPHYXIANT. IN
CLOSED AREAS NON-FLAMMABLE GAS CAN DISPLACE OXYGEN. IF ATMOSPHERIC
OXYGEN CONTENT DROPS BELOW 18% ASPHYXIATION CAN OCCUR. CONTACT WITH
LIQUID OR COLD GAS PRODUCED CAN CAUSE FREEZE BURNS.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.

Effects of Overexposure: SYMPTOMS CAN INCLUDE FROSTBITE, PANTING, GASPING, FAST PULSE, CLUMSINESS, BLUISH FINGERNAILS AND/OR LIPS.

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CONFUSION, DIZZINESS, FATIGUE, NAUSEA, VOMITING	S, COLLAPSE AND
CONVULSIONS.	
Medical Cond Aggravated by Exposure: NONE SPECIFIED BY	MANUFACTURER.

First Aid:INHALATION- (CAUTION! RESCUERS MUST SEE TO THEIR OWN SAFETY. USE SELF-CONTAINED BREATHING EQUIPMENT TO ENTER AREAS OF LOW

EN.) REMOVE VICTIM TO FRESH AIR. QUICKLY RESTORE OR SUPPORT BREATHING AS N EEDED. GIVE OXYGEN IF AVAILABLE. GET MEDICAL ATTENTION FOR VICTIM. SKIN/EYES-PROMPTLY FLUSH AREA WITH LUKEWARM WATER. DO NOT APPLY HEAT. APPLY LOOSE, DRY, STERILE DRESSING. GET MEDICAL ATTENTION.

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

Flash Point: NONFLAMMABLE Lower Limits: NOT GIVEN Upper Limits:NOT GIVEN

Extinguishing Media: USE EXTINGUISHERS SUITED TO SURROUNDING FIRE.

OXYG

Fighting Procedures: FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.

Unusual Fire/Explosion Hazard: DEWARS MAY BURST WHEN HEATED.

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

Spill Release Procedures: CLEAR PEOPLE FORM AREA UNTIL A SAFE OXYGEN LEVEL CAN BE ASSURED. NOTIFY SAFETY PERSONNEL IMMEDIATELY. EMERGENCY WORKERS NEED SELF-CONTAINED BREATHING APPARATUS. PAINT

SOAP SOLUTION AROUND SUSPECTED LE AK TO SEE IF BUBBLES FORM, INDICATING ALEAK.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
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Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED AREA WITH LOW RISK OF FIRE AND AWAY FROM CONBUSTIBLE OR CORROSIVE CHEMICALS.
Other Precautions:PROTECT CONTAINERS FORM PHYSICAL DAMAGE AND FROM HEAT OVER 125F. COVER VALVE WITH CAP WHEN NOT IN USE. PROTECT COMP RESSED
GAS CYLINDERS AGAINST FALLING, BUMPING OR SUDDEN BLOWS. WEAR SAFETY SHOES WHEN HANDLING COMPRESSED GAS CYLINDERS.
====== Exposure Controls/Personal Protection =======
Respiratory Protection:PROVIDE AIR-SUPPLIED OR SELF-CONTAINED BREATHING EQUIPMENT FOR WORKERS IN EMERGENCY OR NON-ROUTINE SITUATIONS WHERE OXYGEN LEVEL IS UNSAFE. USE A SAFETY LINE AND A STAND-BY WORKER WHEN A WORKER WITH A RESPIRATOR MUST ENTER AN EMERGENCY AREA Ventilation:MAINTAIN AT LEAST 19% OXYGEN IN AIR.
Protective Gloves:NONE NORMALLY REQUIRED.
Eye Protection:NONE NORMALLY REQUIRED. Other Protective Equipment:SAFETY SHOES ARE RECOMMENDED FOR HANDLING GAS CYLINDERS.
Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. Supplemental Safety and Health
CHECK FOR LEAKS IN COMPRESSED GAS EQUIPMENT BEFORE USE IN CONFINED SPACES.
============ Physical/Chemical Properties ====================================
HCC:G3 Boiling Pt:B.P. Text:-452F,-269C Melt/Freeze Pt:M.P/F.P Text:-458F,-272C Decomp Temp:Decomp Text:NOT GIVEN Vapor Pres:NOT GIVEN Vapor Density:0.138 Spec Gravity:NOT GIVEN Evaporation Rate & amp; Reference:GAS Solubility in Water:NOT GIVEN Appearance and Odor:COLORLESS, ODORLESS CRYOGENIC LIQUID
========== Stability and Reactivity Data ==========
Stability Indicator/Materials to Avoid:YES CARBON STEEL Stability Condition to Avoid:MOISTURE

St C Stability Condition to Avoid:MOISTURE Hazardous Decomposition Prod ucts:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:MOVE LEAKING CYLINDER OUTDOORS OR TO AN EXHAUST HOOD WITH GOOD FORCED VENTILATION. ALLOW GAS O VENT AT A MODERATE RATE. TAG CYLINDER AS DEFECTIVE AND MARK DEFECT. WHEN EMPTY CLOSE VALVE AND RETURN TO SUPPLIER. FOLLOW ALL STATE AND LOCAL REGULATIONS.

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