View NSN Online: https://aerobasegroup.co.il/nsn/6830-01-008-3431 UNION CARBIDE CORP, LINDE DIV. -- HELIUM -- 6830-01-008-3431 ============= Product Identification ======================== Product ID:HELIUM MSDS Date:09/01/1985 FSC:6830 NIIN:01-008-3431 MSDS Number: BGSQX === Responsible Party === Company Name: UNION CARBIDE CORP, LINDE DIV. Address:39 OLD RIDGEBURY RD City:DANBURY State:CT ZIP:06817-0001 Info Phone Num:304-744-3487 Emergency Phone Num:304-744-3487 CAGE:36346 === Contra ctor Identification === Company Name: UNION CARBIDE CORP LINDE DIV Address:39 OLD RIDGEBURY RD Box:City:DANBURY State:CT ZIP:06817-0001 Country:US Phone:800-822-4357; 304-744-3487 CAGE:36346

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

Ingred Name: HELIUM

CAS:7440-59-7

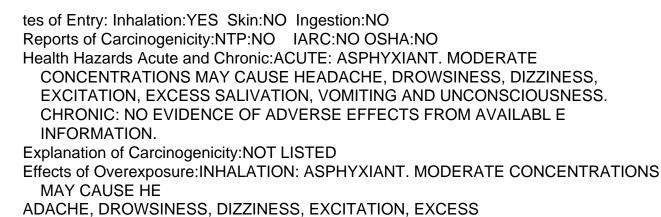
RTECS #:MH6520000 Fraction by Wt: 100%

OSHA PEL:SIMPLE ASPHYXIANT ACGIH TLV:SIMPLE ASPHYXIANT

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

LD50 LC50 Mixture: SIMPLE ASPHYXIANT

Rou



Medical Cond Aggravated by Exposure: OVEREXPOSURE IS UNLIKELY TO

SALIVATION, VOMITING AND UNCONSCIOUSNESS.

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GIVE OXYGEN IF BREATHING IS DIFFICULT. CALL A PHYSICIAN. EYES: FLUSH WITH WATER. SKIN: WASH WITH SOAP AND WATER. NOTE TO PHY

SICIAN: THERE IS NO SPECIFIC ANTIDOTE. THIS PRODUCT IS INERT. TREATMENT OF OVEREXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION.

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

## Flash Point:NONE

Extinguishing Media:HELIUM CANNOT CATCH FIRE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA.

IMMEDIATELY DELUGE CONTAINERS WITH WATER SPRAY FROM MAXIMUM DISTANCE UNTIL

COOL, THEN MOVE CONTAINERS AWAY FROM AREA.

Unusual Fire/Explosion Hazard:HELIUM CANNOT CATCH FIRE. CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE. KEEP TEMPERATURE BELOW 125F. MOST CONTAINERS HAVE A PRESSURE RELIEF VALVE TO VENT CONTENTS.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. USE SELF-CONTAINED BREATHING APPARATUS WHERE NEEDED. SHUT OFF LEAK IF WITHOUT RISK. VENTILATE AREA OF LEAK OR MOV

E LEAKING CONTAINERS TO WELL-VENTILATED AREA. TEST AREA FOR SUFFICIENT OXYGEN PRIOR TO ENTRY. Neutralizing Agent:NONE ============= Handling and Storage ========================== Handling and Storage Precautions: NEVER WORK ON A PRESSURIZED SYSTEM. IF THERE IS A LEAK, CLOSE THE CYLINDER VALVE, BLOW DOWN THE SYSTEM BY VENTING TO A SAFE PLACE, THEN REPAIR LEAK. Other Precautions: CAUTION: HIGH PRESSURE GAS. USE PIPING & EQUIPMENT ADEQUATELY DESIGNED TO WITHSTAND PRESSURE S TO BE ENCOUNTERED. CAN CAUSE RAPID SUFFOCATION DUE TO OXYGEN DEFICIENCY. STORE & USE WITH ADEQUATE VENTILAT ION. CLOSE VALVE WHEN NOT IN USE/EMPTY. ===== Exposure Controls/Personal Protection ======== Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR IN ACCORDANCE WITH OSHA 29 CFR 1910.134. Ventilation: LOCAL EXHAUST PREFERRED, MECHANICAL ACCEPTABLE. Protective Gloves: WORK GLOVES FOR CYLINDER HANDLING. Eye Protection: SELECT GOGGLES I/A/W OSHA 29 CFR1910.133 Other Protective Equipment: METATARSEL SHOES FOR CYLINDER HANDLING (OSHA 29 CFR 1910.132 & 133). Work Hygienic Practices: NONE Supplemental Safety and Health DO NOT STRIKE ARC ON CYLINDER. FOR SAFETY INFORMATION ON GENERAL HANDLING OF COMPRESSED GAS CYLINDERS, OBTAIN A COPY OF PAMPHLET P-1, "SAFE HANDLING OF COMPRESSED GASES IN CONTAINERS" FROM THE COMPRES SED GAS ASSOCIATION, INC. 1235 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA 22202. ======== Physical/Chemical Propert ies ========= HCC:G3 Boiling Pt:B.P. Text:-452F,-269C Vapor Pres:GAS Vapor Density:0.138 Spec Gravity: GAS Solubility in Water: NEGLIGIBLE Appearance and Odor: COLORLESS GAS AT NORMAL TEMPERATURE AND PRESSURE; ODORLESS. Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

NONE CURRENTLY KNOWN. HELIUM IS CHEMICALLY INERT.

Stability Condition to Avoid:HIGH TEMPERATURES ABOVE 125F.

Hazardous Deco

mposition Products:NONE

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

Waste Disposal Methods:SLOWLY RELEASE INTO ATMOSPHERE OUTDOORS. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH FEDERAL,STATE AND LOCAL REGULATION S.

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.