View NSN Online: https://aerobasegroup.kr/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 === Contracto r 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

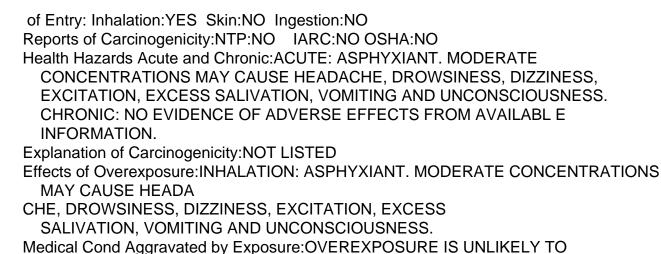
RTECS #:MH6520000 Fraction by Wt: 100%

OSHA PEL:SIMPLE ASPHYXIANT ACGIH TLV:SIMPLE ASPHYXIANT

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

LD50 LC50 Mixture:SIMPLE ASPHYXIANT

Routes



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 PHYSIC

IAN: 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 CO

OL, THEN MOVE CONTAINERS AWAY FROM AREA.

AGGRAVATE EXISTING MEDICAL CONDITIONS.

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 MOVE L

**EAKING 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 PRESSURES T O 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 Oth er 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 Properties ============ 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 Decompo

sition 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.

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