View NSN Online: https://aerobasegroup.de/nsn/6830-00-397-2793

Product ID:HELIUM MSDS Date:09/01/1985 FSC:6830 NIIN:00-397-2793 **MSDS Number: BGSPZ** === 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 === Contractor 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

Ingred Name:HELIUM CAS:7440-59-7 RTECS #:MH6520000 Fraction by Wt: 100% OSHA PEL:SIMPLE ASPHYXIANT ACGIH TLV:SIMPLE ASPHYXIANT

LD50 LC50 Mixture:SIMPLE ASPHYXIANT Routes o

f Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:ACUTE: ASPHYXIANT. MODERATE CONCENTRATIONS MAY CAUSE HEADACHE, DROWSINESS, DIZZINESS, EXCITATION, EXCESS SALIVATION, VOMITING AND UNCONSCIOUSNESS. CHRONIC: NO EVIDENCE OF ADVERSE EFFECTS FROM AVAILABL E INFORMATION. Explanation of Carcinogenicity:NOT LISTED. Effects of Overexposure: INHALATION: ASPHYXIANT. MODERATE CONCENTRATIONS MAY CAUSE HEADAC HE, DROWSINESS, DIZZINESS, EXCITATION, EXCESS SALIVATION, VOMITING AND UNCONSCIOUSNESS. Medical Cond Aggravated by Exposure: OVEREXPOSURE IS UNLIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS. 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. NOT 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. Flash Point:NONE Autoignition Temp: Autoignition Temp Text: 2 LBS 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 WAT ER 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.

Spill Release Procedures: EVACUATE ALL PERSONNEL FROM DANGER AREA. USE SELF-CONTAINED BREATHING APPARATUS WHERE NEEDED. SHUT OFF LEAK IF WIT

HOUT RISK. VENTILATE AREA OF LEAK OR MOVE LEAKING CONTAINER TO WELL-VENTILATED AREA. T EST AREA FOR SUFFICIENT OXYGEN PRIOR TOENTRY.

Neutralizing Agent:NONE

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 ADE

QUATELY DESIGNED TO WITHSTAND PRESSURES 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:SEL

ECT GOGGLES I/A/W OSHA 29 CFR1910.133

Other Protective Equipment: METATARSEL SHOES FOR CYLINDER HANDLING (OSHA 29 CFR1910.132 & 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.

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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 Indicator/Materials to Avoid:YES NONE CURRENTLY KNOWN. HELIUM IS CHEMICALLY INERT. Stability Condition to Avoid:HIGH TE

MPERATURES ABOVE 125F. Hazardous Decomposition Products:NONE

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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