View NSN Online: https://aerobasegroup.kr/nsn/5840-01-274-6624

Product ID:HELIUM/OXYGEN/NITROGEN/KRYPTON-85 GAS MIXTU MSDS Date:05/25/1988 FSC:5840 NIIN:01-274-6624 **MSDS Number: BRQSL** === Responsible Party === Company Name: CRYOGENIC RARE GAS LABS Address:913 COMMERCE CIRCLE **City:HANAHAN** State:SC ZIP:29406 Country:US Info Phone Num:803-747-0956 Emergency Phone Num:803-747-0956/800-424-9300(CHEMTREC) CAGE:7U103 === Contractor Identification === Company Name: CRYOGENIC RARE GAS Address:913 COMMERCE CIRCLE Box:City:HANAHAN State:SC ZIP:29406 Country:US Phone:843-747-0956 CAGE:7U103 Company Name: EG AND G INC/ELECTRIC COMPONENTS DIV Address:35 CONGRESS ST Box:City:SALEM State:MA ZIP:01970-5507 Country:US CAGE:7T714

Ingred Name:HELIUM/OXYGEN/NITROGEN/KRYPTON-85 GA

S MIXTURE Fraction by Wt: 100% Other REC Limits:1250 MREM/QUARTER

LD50 LC50 Mixture: TLV IS 1250 MILLIREM/QUARTER, WHOLE BODY Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:UNKNOWN IARC:UNKNOWN OSHA:NO Health Hazards Acute and Chronic: ACUTE- OXYGEN BELOW 21% MAY CAUSE DIZZINESS, HEADACHE, NAUSEA & LOSS OF CONSCIOUSNESS. OXYGEN ABOVE 21% MAY CAUSE ASPHYXIATION, CHEST PAIN AND A VARIETY OF CENTRAL NERVOUS SYSTEM MANIFESTATIONS INCLUD ING TINGLING EXTREMITIES. RADIATION SICKNESS MAY CAUSE NAUSEA, VOMITING, DIARRHEA AND DEPRESSION, CHRONIC- NONE LISTED. Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER. Effects of Overexposure: OXYGEN BELOW 21% MAY CAUSE DIZZINESS, HEADACHE, NAUSEA & LOSS OF CONSCIOUSNESS. OXYGEN ABOVE 21% MAY CAUSE CHEST PAIN. RADIATION MAY CAUSE NAUSEA, VOMITING, DIARRHEA AND **DEPRESSION.** Medical Cond Aggravated by Expo sure:NONE SPECIFIED BY MANUFACTURER. First Aid:INHALATION: MOVE VICTIM TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION AND, IF NEEDED, OXYGEN. GET MEDICAL AID. RADIATION SICKNESS: GET MEDICAL AID IMMEDIATELY. Extinguishing Media:NONE SPECIFIED BY MANUFACTURER. Fire Fighting Procedures: OXYGEN IS NON-FLAMMABLE BUT SUPPORTS AND VIGOROUSLY ACCELERATES COMBUSTION OF FLAMMABLES. Unusual Fire/Explosion Hazard: SOME MATERIALS WHICH ARE NONFLAMMABLE IN AIR WILL BURN IN AN OXYGEN-ENRICHED ATMOSPHERE. Spill Release Procedures: SHUT OFF THE FLOW OF GAS. VENTILATE THE AREA. **KRYPTON-85 WILL DISPERSE.** Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling and Storage Precautions:ST

Ventilation:MECHANICAL

Protective Gloves:LEATHER WORK GLOVES Eve Protection:SAFETY GOGGLES

Other Protective Equipment:EY

E WASH STATION, QUICK DRENCH SHOWER AND

SAFETY SHOES

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

HELIUM, NITROGEN AND KRYPTON-85 ARE NON- TOXIC, BUT EACH MAY ACT AS A SIMPLE ASPHYXIANT. OXYGEN IS NONTOXIC. KRYPTON-85 IS A RADIOACTIVE ISOTOPE. RADIATION EMITTED: BETA PARTICLES AT 0.67 MEV AND GAMM A RAYS AT 0.52 MEV.

HCC:A1 Solub ility in Water:SLIGHT Appearance and Odor:COLORLESS, ODORLESS GAS WITH HALF LIFE OF 10.76 YEARS Percent Volatiles by Volume:100

Stability Indicator/Materials to Avoid:YES OTHER RADIOACTIVE MATERIALS, FLAMMABLES Stability Condition to Avoid:EXCESSIVE HEAT, FIRE Hazardous Decomposition Products:BETA PARTICLES AND GAMMA RAYS Conditions to Avoid Polymerization:KEEP AWAY FROM EXCESS HEAT

====== Disposal Consider

ations =================

Waste Disposal Methods:REPLACE THE CYLINDER VALVE OUTLET PLUG. REPLACE THE CYLINDER CAP. IF NO LEAKS ARE OBSERVED, RETURN THE CYLINDER TO YOUR SUPPLIER.

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 i

ts 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.