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CRYOGENIC RARE GAS LABS -- HELIUM/OXYGEN/NITROGEN/KRYPTON-85 GAS MIXTU 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

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

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

Fraction by Wt: 100% Other REC Limits:1250 MREM/QUARTER
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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.
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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.
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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.
========= Accidental Release Measures ==========
Spill Release Procedures:SHUT OFF THE FLOW OF GAS. VENTILATE THE AREA. KRYPTON-85 WILL DISPERSE. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
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**S MIXTURE** 

Handling and Storage Precautions:ST

ORE AND USE CYLINDERS IN
WELL-VENTILATED AREA AWAY FROM EXCESSIVE HEAT.  Other Precautions:MAKE SURE ALL RESIDUAL VAPORS ARE REMOVED PRIOR TO BEGINNING REPAIR AND MAINTENANCE. MOVE CYLINDERS WITH A HAND TRUCK.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:WEAR NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS IF NEEDED.  Ventilation:MECHANICAL Protective Gloves:LEATHER WORK GLOVES Eye 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 and Reactivity Data ==========
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

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

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