View NSN Online: https://aerobasegroup.tw/nsn/5920-00-827-5751

CRYOGENIC RARE GAS LABS -- HELIUM/OXYGEN/NITROGEN/KRYPTON-85 GAS MIXTU -5920-00-827-5751

Product ID:HELIUM/OXYGEN/NITROGEN/KRYPTON-85 GAS MIXTU MSDS Date:05/25/1988 FSC:5920 NIIN:00-827-5751 MSDS Number: BPPMH === 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 & G INC, ELECTRON DEVICES GROUP Address:35 CONGRESS Box:City:SALEM State:MA ZIP:01970-5507 Country:US Phone:516-643-2120 CAGE:25506

Ingred Name:HELIUM-OXYGEN MIXTURE C AS:58933-55-4 RTECS #:MH6550000 Other REC Limits:NONE RECOMMENDED

Ingred Name:NITROGEN CAS:7727-37-9 RTECS #:QW9700000 Other REC Limits:NONE RECOMMENDED ACGIH TLV:ASPHYXIANT; 9293

Ingred Name:KRYPTON-85 (30 MICROCURIES MAXIMUM) Other REC Limits:NONE RECOMMENDED

LD50 LC50 Mixture:TLV = 1250 MILLIREM/QUARTER (WHOLE BODY) Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Health Hazards Acute and Chronic:ACUTE - OXYGEN BEL OW 21 PERCENT MAY CAUSE DIZZINESS, HEADACHE, NAUSEA, AND LOSS OF CONSCIOUSNESS. OXYGEN ABOVE 21 PERCENT MAY CAUSE CHEST PAIN. RADIATION MAY CAUSE NAUSEA, VOMITING, DIARRHEA, AND DEPR ESSION. CHRONIC - NONE KNOWN. Effects of Overexposure:OXYGEN BELOW 21 PERCENT MAY CAUSE DIZZINESS, HEADACHE, NAUSEA, AND LOSS OF CONSCIOUSNESS. OXYGEN ABOVE 21 PERCENT MAY CAUSE CHEST PAIN. RADIATION MAY CAUSE ABOVE 21 PERCENT MAY CAUSE CHEST PAIN. RADIATION MAY CAUSE NAUSEA, VOMITING, DIARRHEA, AND DEPRESSION.

E KNOWN

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 HELP IMMEDIATELY.

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.
======================================
Handling and Storage Precautions:STORE AND USE CYLINDERS IN WELL-VENTILATED AREA AWAY FROM EXCESSIVE HEAT. Other Precautions:MAKE SURE ALL RESIDUAL VAPORS ARE REM OVED PRIOR TO BEGINNING REPAIR AND MAINTENANCE. MOVE CYLINDERS WITH A HAND TRUCK.
======================================
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:EYE WASH STATION, QUICK DRENCH SHOWER, SAFETY SHOES Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOM MENDED 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 (30 MICROCURIES MAXIMUM).
======================================
HCC:A2 Solubility in Water:SLIGHT Appearance and Odor:COLORLESS, ODORLESS GAS WITH HALF LIFE OF 10.76 YEARS Percent Volution by Volume:100

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

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 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.