

HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP -- THERMAL RECEIVER UNIT,12599972,PART A
-- 1240-01-293-9706

===== Product Identification =====

Product ID:THERMAL RECEIVER UNIT,12599972,PART A

MSDS Date:12/04/1992

FSC:1240

NIIN:01-293-9706

Kit Part:Y

MSDS Number: CCCGZ

=== Responsible Party ===

Company Name:HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP

Address:BLDG C1 MS A142

Box:92426

City:LOS ANGELES

State:CA

Z

IP:90009

Country:US

Info Phone Num:213-568-7200 / FAX 213-568-6942

Emergency Phone Num:213-568-7200

Preparer's Name:D. L. COLLINS

CAGE:82577

=== Contractor Identification ===

Company Name:AIRCO INC, AIRCO INDUSTRIAL GASES DIV.

Address:575 MOUNTAIN AVE

Box:City:MURRAY HILL

State:NJ

ZIP:07974-2006

Country:US

Phone:800-424-9300(CHEMTREC)

CAGE:00741

Company Name:HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP

Address:BLDG C1 MS A142

Box:92426

City:LOS ANGELES

State:CA

ZIP:90009

Country:US

Phone:213-568-7200

CAGE:82577

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

Ingred Name:HELIUM
CAS:7440-59-7
RTECS #:MH6520000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT RELEVANT
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:LUNG, BRAIN. ACUTE-
EYES/SKIN:NO EVIDENCE OF ADVERS
E EFFECTS FROM AVAILABLE
INFORMATION. INHALATION:ASPHYXIANT. MODERATE CONCENTRATIONS MAY
CAUSE HEADACHE, DROWSINESS, DIZZINESS, EXCESS SALIVATION, NAUSEA,
VOMITING, UNCONSCIOUSNESS, DEATH. INGESTION:UNLIKELY. THIS PRODUCT
IS A GAS. CHRONIC- NONE.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:HEADACHE, DROWSINESS, DIZZINESS, EXCESS
SALIVATION, NAUSEA, VOMITING, UNCONSCIOUSNESS, DEATH
Medical Cond Aggravated by Exposure:NONE EXPECTED

=====
Fir
st Aid Measures
=====

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER. SKIN:WASH
WITH SOAP & WATER. ORAL:UNLIKELY.

=====
Fire Fighting Measures
=====

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL FOR SURROUNDING FIRE. HELIUM CANNOT CATCH FIRE.
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CO

CONTAINED BREATHING APPARATUS. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY. MOVE CONTAINERS AWAY FROM FIRE. Unusual Fire/Explosion Hazard:CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE. THIS GAS IS NON-FLAMMABLE.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR RESPIRATORY PROTECTION. STOP LEAK IF POSSIBLE. VENTILATE AREA OR MOVE LEAKING CONTAINER OUTSIDE OR TO A WELL-VENTILATED PLACE. TEST AREA, ESPECIALLY CONFINED AREA, FOR SUFFICIENT OXYGEN CONTENT PRIOR TO PERMITTING RE-ENTRY OF PERSONNEL.
Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY AREA BELOW 125F (52C). KEEP OUT OF REACH OF CHILDREN.
Other Precautions:NEVER WORK ON A PRESSURIZED SYSTEM. READ AND UNDERSTAND THE MANUFACTURER'S INSTRUCTIONS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCEPTABLE LEVEL, WEAR A NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR AIR-SUPPLIED RESPIRATOR. ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134.
Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.
Protective Gloves:LEATHER RECOMMENDED
Eye Protection:SAFETY GLASSES RECOMMENDED
Other Protective Equipment:SAFETY SHOES RECOMMENDED
Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING OR DRINKING.
Supplemental Safety and Health
KEY1:G3. THIS KIT HAS HELIUM (PNI A) AND RADIOACTIVE MATERIAL (PNI B), SAME NSN.

===== Physical/Chemical Properties =====

HCC:A2
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:-452F,-269C
Melt/Freeze Pt:M.P/F.P Text:-457F,-272C
Vapor Pres:GAS
Vapor Density:0.14
Spec Gravity:GAS
Viscosity:NOT RELEVANT
Evaporation Rate & Reference:NOT RELEVANT (GAS)
Solubility in Water:NEGLIGIBLE
Appearance and Odor:COLORLESS

ESS GAS - ODORLESS
Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES
NONE. HELIUM IS CHEMICALLY INERT.
Stability Condition to Avoid: EXCESSIVE HEAT (TEMPERATURES ABOVE
125F/52C)
Hazardous Decomposition Products: NONE

===== Disposal Considerations =====

Waste Disposal Methods: SLOWLY RELEASE INTO THE ATMOSPHERE. DISCARD ANY
PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR
LINER IN AN
ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH LOCAL,
STATE AND FEDERAL REGULATIONS.

=====

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.