

YA1099/12304725-2/ CELL ASSEMBLY, PARTS KIT, BEAM SPLITTER

MSDS Number

CKNNF

National Stock Number

1240-01-319-3983

Product Name

YA1099/12304725-2/ CELL ASSEMBLY, PARTS KIT, BEAM SPLITTER

Manufacturer

GENERAL DYNAMICS

Product Identification

Product ID:YA1099/12304725-2/ CELL ASSEMBLY, PARTS KIT, BEAM SPLITTER

MSDS Date:06/08/2000

FSC:1240

NIIN:01-319-3983

Status Code:A

MSDS Number: CKNNF

Responsible Party

GENERAL DYNAMICS

Emergency Phone: 973-724-4021

Preparer: DOD HMIS DSCR-VBA

Cage: 7W356

Contractor

GENERAL DYNAMICS

UNKNOWN

RICHMOND, VA 23297-5607

US

804-279-4371

Cage: 7W356

Ingredients

TRITIUM

CAS: 10028-17-8

Hazards

LD50 LC50 Mixture:NONE SPECIFIED.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:RADIOACTIVE GAS (TRITIUM) IN A SEALED SYSTEM. UNBROKEN SOURCES THAT CONTAIN TRITIUM POSE NO HAZARD.

DEGREE OF HAZARD DEPENDS ON DOSAGE AND TOTAL ADDED EXPOSURES TO RELEASED TRITIUM. POTENTIALLY HARMFUL IF INHALED, ABSORBED THROUGH THE SKIN, OR INGESTED.

Explanation of Carcinogenicity:CARCINOGENIC ONLY IF EXPOSED TO HIGH CONCENTRATIONS FOR LONG EXPOSURE.

Effects of Overexposure:NONE.

Medical Condition Aggravated by Exposure:NONE.

First Aid

First Aid:ALL PERSONNEL SHOULD IMMEDIATELY EVACUATE THE AREA OF A BROKEN RADIOACTIVE UNIT FOR 20 MINUTES AS A PRECAUTION..

Fire Fighting

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:CONSULT RADIATION PROTECTION OFFICERS. NEVER ALLOW UNITS TO BURN UNNECESSARILY BECAUSE RELEASE OF RADIOACTIVE GAS MAY EXPOSE PERSONNEL DOWNWIND.
Unusual Fire/Explosion Hazard:TOTAL TRITIUM VOLUME IS SMALL, THUS , DANGER OF FIRE AND/ EXPLOSION IS MINIMAL.

Accidental Release

Spill Release Procedures:SHOULD BREAKAGE OF A TRITIUM SOURCE OCCUR, CLEAN-UP AND DECONTAMINATION SHOULD BE PERFORMED ONLY BY AUTHORIZED PERSONNEL.
Neutralizing Agent:NONE SPECIFIED.

Handling

Handling and Storage Precautions:AVOID STORAGE WHERE RADIOACTIVE ITEMS CAN BE MISHANDLED OR BADLY DAMAGED. KEEP AWAY FROM FIRE. UNBROKEN SOURCES THAT CONTAIN TRITIUM POSE NO HAZARD. THIS IS DUE TO THE EXTREMELY LOW ENERGY OF THE BETA RADIATION THAT TRITIUM EMITS.
Other Precautions:NONE.

Exposure Controls

Respiratory Protection:NONE NORMALLY REQUIRED.
Ventilation:NORMAL WORK AREA VENTILATION IS ADEQUATE.
Protective Gloves:NONE NORMALLY REQUIRED.
Eye Protection:NONE NORMALLY REQUIRED.
Other Protective Equipment:NONE NORMALLY REQUIRED.
Work Hygienic Practices:CAREFULLY HANDLE. WASH HANDS FREQUENTLY.
Supplemental Safety and Health
NONE.

Chemical Properties

HCC:A1
Appearance and Odor:TRITIUM GAS IS ODORLESS, COLORLESS, AND TASTELESS.

Stability

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:AVOID BREAKING SEAL.
Hazardous Decomposition Products:BREAKAGE OF TRITIUM SEAL; TRITIUM GAS WILL IMMEDIATELY DISSIPATE AND DILUTE IN THE ATMOSPHERE.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

Disposal

Waste Disposal Methods:SHOULD BREAKAGE OF A TRITIUM SOURCE OCCUR, CLEAN-UP AND DECONTAMINATION SHOULD BE PERFORMED ONLY BY AUTHORIZED PERSONNEL.

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