

VARIAN ASSOCIATE INC;CROSSED FIELD & RECEIVER PROT -- VDU-1120 -- 5985-01-316-8100
===== Product Identification =====

Product ID:VDU-1120
MSDS Date:08/26/1994
FSC:5985
NIIN:01-316-8100
MSDS Number: BVHLX
=== Responsible Party ===
Company Name:VARIAN ASSOCIATE INC;CROSSED FIELD & RECEIVER PROT
Address:150 SOHIER RD
City:BEVERLY
State:MA
ZIP:01915-1018
Country:US
Info Phone Num:508-922-6000 EXT.28
5
Emergency Phone Num:508-922-6000 EXT.285
Preparer's Name:FRANK E. TROJAN
CAGE:88236
=== Contractor Identification ===
Company Name:COMMUNICATIONS AND POWER INDUSTRIES INC
Address:150 SOHIER RD
City:BEVERLY
State:MA
ZIP:01915-5595
Country:US
Phone:978-922-6000 EXT.285
CAGE:88236

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

Ingred Name:TRITIUM
CAS:10028-17-8
Other REC Limits:NONE RECOMMENDED

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

Routes

of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:OVEREXPOSURE: SIGNIFICANT EXPOSURE TO
A RADIONUCLIDE MAY CAUSE CANCER.
Explanation of Carcinogenicity:NOT LISTED IN NTP, IARC, OR SOHA.
Effects of Overexposure:TRITIUM IS A BETA EMITTER. IF EXPOSURE IS
SUSPECTED, SEEK MEDICAL ATTENTION, URINE ASSAY FOR TRITIUM IS THE
ONLY MEANS OF MEASURING THE DEGREE OF EXPOSURE.
Medical Cond Aggravated by Exposure
:HEALING OF DAMAGED TISSUE MAY BE
PROLONGED.

===== First Aid Measures =====

First Aid:SKIN CONTACT: FLUSH WITH WATER FOR 15 MINUTES. EYE CONTACT:
FLUSH WITH WATER FOR 15 MINUTES. INHALATION: REMOVE TO FRESH AIR.
INGESTION: A HIGH ORAL FLUID INTAKE SHOULD BE ADMINISTERED
FOLLOWING TRITIUM EXPOSURE.

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.

=====

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:IF SPILLED, WAER RADIONUCLIDE CARTRIDGE
RESPIRATOR.

Ventilation:PLACE AFFECTED COMPONENT IN LOCAL EXHAUST.

Protective Gloves:DISPOSABLE GLOVES.

Eye Protection:GOGGLES.

Work Hygienic Practices:WASH HANDS.

Supplemental Safety and Health

RADIOACTIVE MATERIAL, EXCEPTED PACKAGES, ARTICLES.

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

HCC:A2

NRC/State Lic Num:20-02237-04

Boiling Pt:B.P. Text:-414F,-248C

Melt/Freeze Pt:M.P/F.P Text:-425F,-254C

Vapor Pres:18.317

Spec Gravity:6.0

Solubility in Water:100%

Appearance and Odor:GAS, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES
OXIDIZERS.

Stability Condition to Avoid:TEMPERATURES IN EXCES

S OF 400C WILL CAUSE
DECOMPOSITION OF TIT2 WITH RELEASE OF TRITIUM GAS.
Hazardous Decomposition Products:UNBOUND TRITIUM.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE 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 what
soever,
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.