

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.2
85
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 =====

Route

s 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 Exposur
e: 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 EXCE

SS 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.

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