

VARIAN ASSOCIATE INC;BEVERLY DIVISION -- ELECTRON TUBE #BTR-692 -- 5960-01-210-7116
===== Product Identification =====

Product ID:ELECTRON TUBE #BTR-692

MSDS Date:06/28/1990

FSC:5960

NIIN:01-210-7116

MSDS Number: BHXFY

=== Responsible Party ===

Company Name:VARIAN ASSOCIATE INC;BEVERLY DIVISION

Address:150 SOHIER ROAD

City:BEVERLY

State:MA

ZIP:01915-5595

Country:US

Info Phone Num:508-922-6000 E

XT.285

Emergency Phone Num:508-922-6000 EXT.285

Preparer's Name:K

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:COBALT 60 (ISOTOPE) 0.6 MICROCURIES

Other REC Limits:1 MICROCURIE

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

LD50 L

C50 Mixture:0.6 MICROCURIAS;SPE.ACT.1.13X 10 3 CI/GM
Health Hazards Acute and Chronic:NONE EXPECTED.USE AS DIRECTED.
Explanation of Carcinogenicity:NO DATA
Effects of Overexposure:NORMAL HANDLING PRESENTS NO RADIATION
PROBLEMS.AVOID EYES AND SKIN EXPOSURE
Medical Cond Aggravated by Exposure:NONE NOTED

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

First Aid:NORMAL FIRST AID PROCEDURES.CONSULT A PHYSICIAN IMMEDIATELY.

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

Flash Point:NONE
Extinguishing Media:NOT FLAMMABLE
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:DO NOT USE HEAT;USE AS DIRECTED.REPORT TO
THE AUTHORITIES.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION AGAINST
RADI
ATION;CONCULT LOCAL AUTHORITIES.

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

Handling and Storage Precautions:FOLLOW GIVEN INSTRUCTION.
Other Precautions:USE AS DIRECTED.

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

Respiratory Protection:NOT NEEDED IF USED AS DIRECTED.
Ventilation:NORMAL ROOM VENTILATION.
Protective Gloves:RUBBER
Eye Protection:SAFETY GLASSES
Other Protective Equipment:PROTECTIVE CLOTHING
Work Hygienic Practices:WASH AFTER HAND

LING OR AS DIRECTED
Supplemental Safety and Health
FOR ANY PROBLEM,DISCUSS VARIAN FOR HANDLING ISOTOPES.

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

HCC:A3
Appearance and Odor:ELECTRON TUBE

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

Stability Indicator/Materials to Avoid:YES
NONE NOTED
Stability Condition to Avoid:HIGH TEMPERATURES
Hazardous Decomposition Products:NONE EXPECTED IF USED AS DIRECTED.LOW
RADIO ACTIVE MATERIAL

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

Waste Disposal Methods:DISPOSED OF AS SPECIFIED IN PARAGRAPH 20.301,10
CFR PART 20.

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