

VARIAN ASSOCIATES INC -- 4CW25000A ELECTRON TUBE -- 5960-00-478-7692

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

Product ID:4CW25000A ELECTRON TUBE

MSDS Date:06/10/1993

FSC:5960

NIIN:00-478-7692

MSDS Number: BRGJQ

=== Responsible Party ===

Company Name:VARIAN ASSOCIATES INC

Address:4130 LINDEN AVE SUITE 255

City:DAYTON

State:OH

ZIP:45432-3034

Country:US

Info Phone Num:513-258-3930

Emergency Phone Num:513-2

58-3930

Preparer's Name:SUE A. DUGAN

CAGE:1B538

=== Contractor Identification ===

Company Name:COMMUNICATIONS AND POWER INDUSTRIES INC

Address:4130 LINDEN AVE SUITE 255

Box:City:DAYTON

State:OH

ZIP:45432-3076

Country:US

Phone:513-258-3930

CAGE:1B538

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

Ingred Name:THORIUM 232 (SPECIFIC ACTIVITY 0.001050 MICROCURIES/GM)

Other REC Limits:NONE RECOMMENDED

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

Routes

of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:THIS PRODUCT IS AN ARTICLE. THIS
ELECTRON TUBE DOES NOT RELEASE OR OTHERWISE RESULT IN EXPOSURE TO A
HAZARDOUS CHEMICAL UNDER NORMAL CONDITIONS OF USE. SPECIFIC
ACTIVITY OF THORIATED (THORIUM 232) TUNGSTEN WIRE IS 0.001050
MICROCURIES/GM.
Effects of Overexposure:THE PRODUCT IS AN ARTICLE. THIS ELECTRON TUBE
DOES NOT RELEASE OR OTHERWISE RESULT
IN EXPOSURE TO A HAZARDOUS
CHEMICAL UNDER NORMAL CONDITIONS OF USE.
Medical Condition Aggravated by Exposure:NONE

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

First Aid:EMERGENCY FIRST AID IS NOT NECESSARY UNDER NORMAL CONDITIONS
OF USE.

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

Spill Release Procedures:IN CASE OF TUBE BREAKAGE, TAKE APPROPRIATE
SAFETY PRECAUTIONS SUITABLE FOR CLEANUP AND COLLECTION OF
CONTAMINATED ITEMS, SUCH AS THE
USE OF RUBBER GLOVES,
TWEEZERS/TONGS, DAMP SPONGES AND DUST RESPIRATORS. TRANSFER TO
LABELLED CONTAINER FOR DISPOSAL.

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

Handling and Storage Precautions:STORE IN ORIGINAL CONTAINER. AVOID
BREAKING TUBES. WEAR GLOVES TO HANDLE BROKEN TUBES.
Other Precautions:KEEP AWAY FROM SMALL CHILDREN. WASH HANDS IMMEDIATELY
IF CONTACTED BROKEN TUBES.

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

Respiratory Protection:NONE NORMALLY REQUIRED. DUST RESPIRATOR IF
HANDLING BROKEN TUBES.
Ventilation:NONE NORMALLY REQUIRED.
Protective Gloves:RUBBER GLOVES IF HANDLING BROKEN TUBES.
Eye Protection:NONE NORMALLY REQUIRED.
Other Protective Equipment:NONE NORMALLY REQUIRED.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.
Supplemental Safety and Health
MANUFACTURER STATES THAT THIS PRODUCT CONFORMS TO THE HAZARD
COMMUNICATION STANDARD DEFINITION OF

AN "ARTICLE", AS DEFINED IN
29CFR1910.1200.

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

HCC:A2
Appearance and Odor:ELECTRON TUBE.

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

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:BREAKAGE.

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

Waste Disposal Methods:DISPOSE OF VIA A LICENSED COMMERCIAL RADIOACTIVE
WASTE DISPOSAL AGENCY. OBSERVE ALL LOCAL
, STATE AND FEDERAL
REGULATIONS.

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