

VARIAN ASSOCIATES INC EIMAC DIVISION -- Y-354 ELECTRON TUBE -- 5960-01-037-3297

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Product Identification
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Product ID:Y-354 ELECTRON TUBE

MSDS Date:06/09/1993

FSC:5960

NIIN:01-037-3297

MSDS Number: BMZYK

=== Responsible Party ===

Company Name:VARIAN ASSOCIATES INC EIMAC DIVISION

Address:1678 S PIONEER RD

City:SALT LAKE CITY

State:UT

ZIP:84104-4205

Country:US

Info Phone Num:801-972-5000

Em

ergency Phone Num:801-972-5000

Preparer's Name:ALLENE CHRISTEN

CAGE:08594

=== Contractor Identification ===

Company Name:COVIMAG

Address:ZI LA MARQUI AV DU 4 JUILLET 1776

Box:BP 25

City:BRIVE LA GAILLARDE F-19100

Country:FR

Phone:0-555-864-950

CAGE:FA4W3

Company Name:VARIAN ASSOCIATES INC EIMAC DIVISION

Address:1678 S PIONEER RD

Box:City:SALT LAKE CITY

State:UT

ZIP:84104-4205

Country:US

Phone:801-972-5000

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Composition/Information on Ingredients
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Ingred Na

me:THORIUM 232 (0.001050 MICROCURIE PER GRAM).

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Health Hazards Acute and Chronic:ACUTE AND CHRONIC- 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. CONTAINS 0.001050 MICROCURIE O F THORIUM-232 PER GRAM.

Explanation of Carcinogen

icity:TRACE AMOUNT

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. CONTAINS 0.001050 MICROCURIE OF THORIUM-232 PER G RAM.

Medical Cond Aggravated by Exposure:NONE KNOWN

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

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

===== Accidental Releas

e 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 RESPIRA TORS. TRANSFER TO LABELED CONTAINER FORDISPOSAL

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

Handling and Storage Precautions:STORAGE AND HANDLING- 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.

Ventilation:NONE NORMALLY REQUIRED.

Protective Gloves:RUBBER GLOVES IF HANDLING BROKEN TUBES

Eye Protection:NONE NORMALLY REQUIRED.

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic

Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

THE MANUFACTURER STATES THAT THIS PRODUCT CONFORMS TO THE HAZARDOUS COMMUNICATION REGULATIONS DEFINITION OF AN "ARTICLE" AS DEFINED IN 29 CFR 1910.1200 (C).

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

HCC:N1

Appearance and Odor:THIS IS AN ARTICLE (ELECTRON TUBE).

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

Stability Indicat

or/Materials to Avoid:YES

Stability Condition to Avoid:FIRE, BREAKAGE

Hazardous Decomposition Products:NONE KNOWN

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

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

===== Other Information =====

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