

VARIAN ASSOCIATES INC -- POWER GRID TUBES -- 5960-00-052-4112

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

Product ID:POWER GRID TUBES

MSDS Date:08/25/1992

FSC:5960

NIIN:00-052-4112

MSDS Number: BPPJY

=== 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:513-258-3930

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

Company Name:VARIAN ASSOCIATES INC EIMAC DIVISION

Address:301 INDUSTRIAL WAY

City:SAN CARLOS

State:CA

ZIP:94070-2603

Country:US

Phone:415-592-1221

CAGE:06980

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

Ingred Name:THORIUM 232 (0.001050 MICROCURIE PER GRAM).

Other R

EC Limits:NONE RECOMMENDED

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===== 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 0.00105 MICROCURIE OF THORIUM-232 PER GRAM.

Explanation of Carcinogenicity: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 0.00105 MICROCURIE OF THORIUM-232 PER GR AM.

Medical Cond Aggravated by Exposure:NONE KNOWN

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

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

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===== 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 LABELED CONTAINER FOR DISPOSAL

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===== 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.

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===== 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). "ARTICLES" ARE EXEMPT FROM 29 CFR 1910.1200 AND THEREFORE DO NOT REQUIRE A MATERIAL SAFETY DATA SHEET.

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

HCC:A2

Appearance and Odor:THIS IS AN ARTICLE.

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

Stability Indicator/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.

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