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VARIAN ASSOCIATES INC., POWER GRID & X-RAY TUBE -- 4CX350 ELECTRON TUBE

5960-00-765-6085

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

Product ID:4CX350 ELECTRON TUBE

MSDS Date:05/28/1991

FSC:5960

NIIN:00-765-6085

MSDS Number: BMDSJ === Responsible Party ===

Company Name: VARIAN ASSOCIATES INC., POWER GRID & X-RAY TUBE

Address:301 INDUSTRIAL WAY

City:SAN CARLOS

State:CA

ZIP:94070-2603

Country:US

Info Ph

one Num:415-973-1221

Emergency Phone Num:415-592-1221

CAGE:06980

=== Contractor Identification ===

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 METAL (CONTAINED AS AN ALLOY IN THE TUNGSTEN

FILLIMENT) CAS:7440-29-1

RTECS #:XO6400000

Other REC Limits: NONE SPECIFIED

Ingred Name: THE FILLIMENT O

Other REC Limits:NONE SPECIFIED
========= Hazards Identification ===========
LD50 LC50 Mixture:ORAL RAT LD50 IS NOT RELAVENT Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO Health Hazards Acute and Chronic:NOT RELAVENT Explanation of Carcinogenicity:TUBE CONTAINS VERY LITTLE THORIUM. SEE SUPPLEMENTAL DATA. Effects of Ove rexposure:NOT RELAVENT Medical Cond Aggravated by Exposure:NOT RELAVENT
======================================
First Aid:NOT RELAVENT
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Flash Point:NON-FLAMMABLE Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE. Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FI RE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE. Unusual Fire/Explosion Hazard:NONE - SEE OPERATING HAZARDS ON THE MANUFACTURERE USE SHEET.
======== Accidental Release Measures =========
Spill Release Procedures:NOT RELAVENT Neutralizing Agent:NOT RELAVENT
=========== Handling and Storage ============
Handling and Storage Precautions:NOT RELAVENT Other Precautions:NOT RELAVENT
====== Exposure Controls/Personal Protecti

F THE TUBE CONTAINS APPROXIMATELY 96%

TUNGSTEN AND 4% THORIUM.

RTECS #:9999999ZZ

Respiratory Protection: NOT RELAVENT

Ventilation: NOT RELAVENT

Protective Gloves:NOT RELAVENT

Eye Protection: NOT RELAVENT

Other Protective Equipment:NOT RELAVENT Work Hygienic Practices:NOT RELAVENT

Supplemental Safety and Health

THIS PRODUCT MEETS THE 29CFR 1910.1200 DEFINITION OF AN ARTICLE AND THUS REQUIRES NO MSDS. THE MANUFACTURER OF THE TUBE SUPPLIED A MATERIAL SAFETY DATA SHEET FOR THORIATED TUNGSTEN FROM PHILLIPS LIGH TING PRODUCTS WHICH IS APPROPRIATE INFOR

MATION TO ONE

MANUFACTURING TUNGSTEN WIRE. IT DOES NOT APPLY TO USING THE TUBE.

Waste Disp

osal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER MAKES NO SUGGESTIONS AS TO METHOD OF DISPOSAL.

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