

VARIAN ASSOCIATES, ELMAC DIV -- 8252W -- 5960-00-177-1716

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Product Identification  
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Product ID:8252W  
MSDS Date:01/01/1985  
FSC:5960  
NIIN:00-177-1716  
MSDS Number: BDFTT  
=== Responsible Party ===  
Company Name:VARIAN ASSOCIATES, ELMAC DIV  
Address:301 INDUSTRIAL WAY  
City:SAN CARLOS  
State:CA  
ZIP:94070-2603  
Country:US  
CAGE:06980

==== Contractor Identification ====  
Company Name:VARIAN ASSOCIATES IN  
C EIMAC DIVISION  
Address:301 INDUSTRIAL WAY  
City:SAN CARLOS  
State:CA  
ZIP:94070-2603  
Country:US  
Phone:415-592-1221  
CAGE:06980  
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  
CAGE:08594

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Composition/Information on Ingredients  
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Ingred Name:THORIUM 232  
CAS:7440-29-1  
RTECS #:XO6400000

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Hazards Identification  
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Effects of O

verexposure:HAZARD DEGREE DEPENDS ON THE TYPE AND QUANTITY OF RADIATION. LATENT EFFECTS: SOMATIC/GENETIC DAMAGE.

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First Aid Measures  
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First Aid:USE FIRST AID. CALL MEDICAL EMERGENCY CARE. REMOVE AND ISOLATE COMTAMINATED CLOTHING. SHOWER VICTIM WITH SOAP AND WATER. DETAIN PERSONNEL AND EQUIPMENT EXPOSED. ADVISE MEDICAL PERSONNEL THAT VICTIM MA Y BE CONTAMINATED.

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Fire Fighting Measures  
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Extinguishing Media:EXTINQUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR CHEMICAL PROTECTIVE SUIT WITH SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:SOME OF MATERIAL MAY BURN. CONTAINERS MAY EXPLODE IN HEAT OF FIRE.

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Accidental Release Measures  
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Spill Release Procedures:HANDLE BROKEN DEVICE WITH GLOVES AND FORCEPS.

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Handling and Storage  
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Handling a

nd Storage Precautions:SHIELD ACCORDING TO EMITTED RADIATION.

PROTECT FROM FILM AND FILM PLATES. KEEP CONTAINERS CLOSED. STORE IN AREA FOR RADIOACTIVE MATERIALS.

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Exposure Controls/Personal Protection  
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Respiratory Protection:SELF CONTAINED BREATHING APPARATUS IF INVOLVED IN FIRE, OTHERWISE GAS MASK.

Ventilation:PROVIDE MECHANICAL (GENERAL/LOCAL EXHAUST) VENTILATION TO MAINTAIN < TLV.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES

Other Pr

otective Equipment:EYE WASH STATION, APRONS, SPECIAL IMPERVIOUS CLOTHING

Supplemental Safety and Health

SOURCE OF DATA - MIL HANDBOOK 600-1 SEP 76. SAFETY AND HEALTH DATA DEVELOPED BY DGSC-STF.

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Physical/Chemical Properties  
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HCC:A2

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

ISOLATE AND SEGREGATE FROM MOST OTHER TYPE MATERIAL.

Hazardous Decomposition Products:DEPENDS ON CHEMICAL C

COMPOSITION;  
FISSION PRODUCTS

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

Waste Disposal Methods: CONTROLLED DISPOSAL REQUIRED IN ACCORDANCE WITH  
DOD REGULATIONS AND FEDERAL, STATE, AND LOCAL REGULATIONS.

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