

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

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

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

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

Ingred Name:THORIUM 232

CAS:7440-29-1

RTECS #:XO6400000

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

Effects of O

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

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

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.

===== Fire Fighting Measures =====

Extinguishing Media:EXTINGUISH 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.

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

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

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

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.

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

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.

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

HCC:A2

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

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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