

TEXAS INSTRUMENTS INC DEFENSE SYSTEM & ELECTRONICS -- 2844491-1,OPTICAL,BENCH  
ASSEMBLY -- 1240-01-237-1584

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

Product ID:2844491-1,OPTICAL,BENCH ASSEMBLY

MSDS Date:09/03/1999

FSC:1240

NIIN:01-237-1584

Status Code:A

MSDS Number: CJLMH

=== Responsible Party ===

Company Name:TEXAS INSTRUMENTS INC DEFENSE SYSTEM & ELECTRONICS

Address:8505 FOREST LN

Box:660246

City:DALLA

S

State:TX

ZIP:75266-0246

Country:US

Emergency Phone Num:804-279-4321

Preparer's Name:DSCR;VBA

CAGE:96214

=== Contractor Identification ===

Company Name:TEXAS INSTRUMENTS INC DEFENSE SYSTEM & ELECTRONICS

Address:8505 FOREST LN

Box:660246

City:DALLAS

State:TX

ZIP:75266-0246

Country:US

Contract Num:DAAA09-84-G-0020-0012

CAGE:96214

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

Ingred Name:THORIUM FLUORIDE 232

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

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Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Health Hazards Acute and Chronic:THE OPTICAL, BENCH ASSEMBLY IS NOT  
CONSIDERED HAZARDOUS BY OSHA.

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

First Aid:NONE REQUIRED UNDER NORMAL CIRCUMSTANCES.

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

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:USE PROCEDURES APPROPRIATE FOR SURROUNDING  
FIRE.

Unusual Fire/Explosion Hazard:NONE

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

Neutralizing Agent:NONE

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

Handling and Storage Precautions:THE NORMAL CARE REQUIRED IN HANDLING  
AND STORING OPTICAL LENSES SHOULD ALSO SUFFICE FOR THIS ITEM.  
Other Precautions:NONE.

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

Respiratory Protection:NONE REQUIRED UNDER NORMAL USAGE.

Ventilation:NORMAL  
VENTILATION ADEQUATE.

Protective Gloves:NONE NORMALLY REQUIRED.

Eye Protection:NONE NORMALLY REQUIRED.

Other Protective Equipment:NONE.

Work Hygienic Practices:STANDARD.

Supplemental Safety and Health

THIS ITEM CONTAINS A RADIOACTIVE ISOTOPE, THORIUM FLUORIDE 232, WITH A  
RADIOACTIVITY OF 0.0003 MICRO CURIES. NO MSDS IS REQUIRED FOR THE  
OPTICAL, BENCH ASSEMBLY SINCE THE QUANTITY OF RADIOACTIVE MATERIAL  
IS WITHIN THE "EXCEPTED QUANTITY" FOR INSTRUMENTS AND ARTICLES,  
49CFR 173.423,

AND NOT CONSIDERED HAZARDOUS BY OSHA.

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

HCC:A2  
Solubility in Water:N/AP

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

Stability Indicator/Materials to Avoid:YES

===== Ecological Information =====

Ecological:DISPOSAL OF ANY PARTS CONTAINING RADIOACTIVE MATERIAL MUST  
BE TRANSFERRED TO A LICENSED RADIOACTIVE MATERIAL DISPOSAL FIRM.

===== Disposal Con  
siderations =====

Waste Disposal Methods:THORIUM FLUORIDE CONTAINING ITEMS REMOVED FROM  
THE OPTICAL,BENCH ASSEMBLY MUST BE TRANSFERRED TO A LICENSED  
RADIOACTIVE MATERIAL DISPOSAL FIRM FOR DISPOSAL..

===== MSDS Transport Information =====

Transport Information:PROPER SHIPPING NAME FOR THIS ITEM  
IS:"RADIOACTIVE MATERIAL,EXCEPTED PACKAGE-INSTRUMENTS OR ARTICLES",  
UN2910.

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