

C85

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 U.S. GEOLOGICAL SURVEY  
 986 NATIONAL CENTER  
 RESTON, VIRGINIA 20192

INDIVIDUAL COMPANY  
 DATA - PROPRIETARY

Unless authorization is granted in the section above the signature, the data furnished in this report will be treated in confidence by the Department of the Interior, except that they may be disclosed to Federal defense agencies, or to the Congress upon official request for appropriate purposes. Unless objection is made in writing to the USGS, the information furnished in this report may be disclosed to the respondent's State Geological Survey (or similar State Agency) if the State has appropriate safeguards to prevent disclosing company proprietary data.

**THORIUM**

\_\_\_\_\_  
 (Please correct if name or address has changed.)

**FACSIMILE NUMBER**  
**1-800-543-0661**

Paperwork Reduction Act Notice: Public voluntary reporting burden for this collection of information is estimated to average 1 HOUR per response. A Federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. Comments regarding this collection of information should be directed to: U.S. Geological Survey, gs-info\_collections@usgs.gov. **Please do not mail canvass forms to this address.**

Collection of nonfuel minerals information is authorized by 30 U.S.C. 1601 et seq. and the Defense Production Act. This information is used to support executive policy decisions pertaining to emergency preparedness, national defense, and analyses for minerals legislation and industrial trends. The USGS relies on your voluntary and timely response to assure that its information is complete and accurate.

Please return this form in the enclosed envelope or fax to the above toll-free number **BY JANUARY 31**. Complete a separate form for each mineral establishment that was active during the reporting period. A mineral establishment is defined as a single physical location where mineral operations are conducted; for example, a mine only, a mine and preparation plant, or a preparation plant only.

If you do not have exact data, please enter your best estimates and mark with an /e. Use zero (0) when appropriate. Do not report decimals or fractions. Round to the nearest whole number. If you have nothing to report, please sign and return the form. Please do not make entries in shaded areas. Please use the space for "Remarks" to provide any specific information that will help us in the use or interpretation of the data. Any statement on the effect of changes in economic conditions upon the reporting establishment will be useful. Additional forms are available upon request.

If you have any questions concerning completion of this form, please contact the Mineral Commodities Data Unit, U.S. Geological Survey, 985 National Center, Reston, VA 20192, Telephone (703) 648-7960.

**1. Stocks, production, receipts, and disposition of thorium minerals.**

Material (1)	Code	Weight unit Mark (X) one (2)				Average ThO <sub>2</sub> content (3)	Beginning stocks (4)	Imports (5)	Domestic receipts (6)	Production (7)	Consumption (8)	SHIPMENTS TO CONSUMERS		Ending stocks (11)
		Pounds	Kilograms	Tons								U.S. (9)	Exports (10)	
				Short	Metric									
Monazite.....	102													
Thorium Oxide.....	105													
Other ( <i>specify</i> )	103													
Other ( <i>specify</i> )	104													

**2. Countries of origin for IMPORTS as reported in SECTION 1, COLUMN 5.**

- |                                    |                                  |                                    |                                     |   |   |
|------------------------------------|----------------------------------|------------------------------------|-------------------------------------|---|---|
| <input type="checkbox"/> Australia | <input type="checkbox"/> China   | <input type="checkbox"/> India     | <input type="checkbox"/> Madagascar | <input type="checkbox"/> South Africa   | <input type="checkbox"/> Other ( <i>specify</i> ) |
| <input type="checkbox"/> Brazil    | <input type="checkbox"/> Estonia | <input type="checkbox"/> Japan     | <input type="checkbox"/> Malaysia   | <input type="checkbox"/> Ukraine        | _____   |
| <input type="checkbox"/> Canada    | <input type="checkbox"/> France  | <input type="checkbox"/> Kazakstan | <input type="checkbox"/> Russia     | <input type="checkbox"/> United Kingdom | _____   |

**3. Countries of destination for EXPORTS as reported in SECTION 1, COLUMN 10.**

- |                                    |                                  |                                    |                                     |   |   |
|------------------------------------|----------------------------------|------------------------------------|-------------------------------------|---|---|
| <input type="checkbox"/> Australia | <input type="checkbox"/> China   | <input type="checkbox"/> India     | <input type="checkbox"/> Madagascar | <input type="checkbox"/> South Africa   | <input type="checkbox"/> Other ( <i>specify</i> ) |
| <input type="checkbox"/> Brazil    | <input type="checkbox"/> Estonia | <input type="checkbox"/> Japan     | <input type="checkbox"/> Malaysia   | <input type="checkbox"/> Ukraine        | _____   |
| <input type="checkbox"/> Canada    | <input type="checkbox"/> France  | <input type="checkbox"/> Kazakstan | <input type="checkbox"/> Russia     | <input type="checkbox"/> United Kingdom | _____   |

OVER

**4. Thorium.**

Material (1)	Code	Report basis				ThO <sub>2</sub>	Th	Beginning stocks (4)	Imports (5)	Domestic receipts (6)	Production (7)	Consumption (8)	SHIPMENTS TO CONSUMERS		Ending stocks (11)
		Weight unit Mark (X) one (2)		Short	Metric								U.S. (9)	Exports (10)	
		Pounds	Kilograms												
Thorium compounds:		GROSS WEIGHT													
Oxide.....	401														
Nitrate.....	402														
Flouride.....	403														
Oxalate.....	404														
Carbides.....	407														
Hydrates.....	408														
Chlorides.....	409														
Sulfate.....	410														
Other ( <i>specify</i> )	405														
_____	406														
Other ( <i>specify</i> )	406														
_____															
Thorium metal & alloys:															
Thorium metal.....	411														
Thorium hardener.....	412														
HK31A.....	413														
Alloys.....	414														
Waste.....	417														
Thorium slabs.....	418														
Other.....	415														
Other.....	416														

**5. Quantity of shipments to consumers by use.**

	Code	ThO <sub>2</sub> equiv. compounds		Th metal content gross weight			Code	ThO <sub>2</sub> equiv. compounds		Th metal content gross weight	
		lbs. <input type="checkbox"/>	kgs. <input type="checkbox"/>	ST <input type="checkbox"/>	kgs. <input type="checkbox"/>			lbs. <input type="checkbox"/>	kgs. <input type="checkbox"/>	ST <input type="checkbox"/>	kgs. <input type="checkbox"/>
Petroleum catalysts.....	801					Lasers.....	815				
Catalysts, other.....	803					Electronic.....	821				
Alloys, aerospace.....	804					Ceramics.....	828				
Alloys, magnets.....	808					Chemical processing.....	829				
Alloys, other.....	809					Other ( <i>specify</i> )					
Lighting.....	812					_____	830				
Polishing compounds.....	813					Other ( <i>specify</i> )					
						_____	831				

**Remarks:**

Name of person to be contacted regarding this report				Tel. area code		No.		Ext.		
Address No.			Street			City		State		ZIP Code

May tabulations be published which could indirectly reveal the data reported above?  (1) Yes  (2) No

Signature			Title			Date		
-----------	--	--	-------	--	--	------	--	--