



C85

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

THORIUM

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.

(Please correct if name or address has changed.)

FACSIMILE NUMBER
1-800-543-0661

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, Statistics and Information Systems Section, 988 National Center, Reston, VA 20192. **Please do not mail canvass forms to this address.**

Collection of nonfuel minerals information is authorized by Public Law 96-479 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 ₂ 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													
Other <i>(specify)</i>														

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

- | | | | | | |
|------------------------------------|---------------------------------|-------------------------------------|---------------------------------------|---|---|
| ☐ Australia | ☐ China | ☐ Japan | ☐ Malaysia | ☐ Ukraine | ☐ Other (<i>specify</i>) |
| ☐ Brazil | ☐ France | ☐ Kazakstan | ☐ Russia | ☐ United Kingdom | _____ |
| ☐ Canada | ☐ India | ☐ Madagascar | ☐ South Africa | | _____ |

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

- | | | | | | |
|------------------------------------|---------------------------------|-------------------------------------|---------------------------------------|---|---|
| ☐ Australia | ☐ China | ☐ Japan | ☐ Malaysia | ☐ Ukraine | ☐ Other (<i>specify</i>) |
| ☐ Brazil | ☐ France | ☐ Kazakstan | ☐ Russia | ☐ United Kingdom | _____ |
| ☐ Canada | ☐ India | ☐ Madagascar | ☐ South Africa | | _____ |

OVER

4. Thorium.

Material (1)	Code	Report basis	Weight unit Mark (X) one (2)				ThO ₂	Th	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										
Thorium compounds: Oxide.....	401	GROSS WEIGHT														
Nitrate.....	402															
Flouride.....	403															
Oxalate.....	404															
Other (<i>specify</i>) _____																
Thorium metal & alloys: Thorium metal.....	411															
Thorium hardener.....	412															
Thorium alloys (i.e. HK31A) (<i>specify</i>) _____																

5. Quantity of shipments to consumers by use.

	Code	ThO ₂ equiv. compounds	Th metal content gross weight		Code	ThO ₂ equiv. compounds	Th metal content gross weight
		lbs. ☐ kgs. ☐	ST ☐ kgs. ☐			lbs. ☐ kgs. ☐	ST ☐ kgs. ☐
Petroleum catalysts.....	801			Lasers, crystals, and glass.....	815		
Catalysts, other.....	803			Electronic, capacitors, other...	821		
Alloys, aerospace.....	804			Ceramics, sensors, other.....	828		
Alloys, permanent magnets.....	808			Chemical processing.....	829		
Alloys, other.....	809			Other (<i>specify</i>) _____			
Lighting, non-phosphor.....	812						
Polishing compounds.....	813						

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		