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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.

SCANDIUM

(Please correct if name or address has changed.)

FACSIMILE NUMBER
1-800-543-0661

Paperwork Reduction Act Notice: Public reporting burden for this voluntary collection of information is estimated to average 60 MINUTES 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.**

INSTRUCTIONS

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 THE END OF JANUARY, IF POSSIBLE**. 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 scandium.

| Material (1) | Code | Report basis | Weight unit Mark (X) one (2) | | | | AVERAGE CONTENT (3) | | Beginning stocks (4) | Imports (5) | Domestic receipts (6) | Production (7) | Consumption (8) | SHIPMENTS TO CONSUMERS | | Ending stocks (11) |
|---------------------------|------|---|------------------------------------|-----------|-------|--------|--------------------------------|----|----------------------------|----------------|-----------------------------|-------------------|--------------------|---------------------------|-----------------|--------------------------|
| | | | Pounds | Kilograms | TONS | | Sc ₂ O ₃ | Sc | | | | | | U.S. (9) | Exports (10) | |
| | | | | | Short | Metric | | | | | | | | | | |
| Ores: | | | | | | | | | | | | | | | | |
| Uranium..... | 501 | GROSS WEIGHT Sc ₂ O ₃ EQUIVALENT | | | | | | | | | | | | | | |
| Tungsten..... | 502 | | | | | | | | | | | | | | | |
| Fluorite..... | 503 | | | | | | | | | | | | | | | |
| Phosphate..... | 504 | | | | | | | | | | | | | | | |
| Thortveitite..... | 507 | | | | | | | | | | | | | | | |
| Other (<i>specify</i>) | 505 | | | | | | | | | | | | | | | |
| Other (<i>specify</i>) | 506 | | | | | | | | | | | | | | | |
| Scandium concentrate..... | 511 | | | | | | | | | | | | | | | |
| Mixed concentrate..... | 512 | | | | | | | | | | | | | | | |

1. Stocks, production, receipts, and disposition of scandium. (continued)

| Material (1) | Code | Report basis | Weight unit Mark (X) one (2) | | | | AVERAGE CONTENT (3) | | Beginning stocks (4) | Imports (5) | Domestic receipts (6) | Production (7) | Consumption (8) | SHIPMENTS TO CONSUMERS | | Ending stocks (11) | |
|---|------|--|------------------------------------|-----------|-------|--------|--------------------------------|----|----------------------------|----------------|-----------------------------|-------------------|--------------------|---------------------------|-----------------|--------------------------|--|
| | | | Pounds | Kilograms | TONS | | Sc ₂ O ₃ | Sc | | | | | | U.S. (9) | Exports (10) | | |
| | | | | | Short | Metric | | | | | | | | | | | |
| Scandium compounds: | | | | | | | | | | | | | | | | | |
| Oxide..... | 513 | - GROSS WEIGHT - Sc ₂ O ₃ EQUIVALENT - | | | | | | | | | | | | | | | |
| Iodide..... | 514 | | | | | | | | | | | | | | | | |
| Nitrate..... | 517 | | | | | | | | | | | | | | | | |
| Scandium garnets..... | 518 | | | | | | | | | | | | | | | | |
| Organic scandium compounds..... | 519 | | | | | | | | | | | | | | | | |
| Other _____ | 515 | | | | | | | | | | | | | | | | |
| Other _____ | 516 | | | | | | | | | | | | | | | | |
| Scandium metal and alloys: | | | | | | | | | | | | | | | | | |
| Scandium metal..... | 521 | | | | | | | | | | | | | | | | |
| Scandium alloys: | | | | | | | | | | | | | | | | | |
| Scandium alloys - other | 522 | | | | | | | | | | | | | | | | |
| Al-Sc (2%) master..... | 525 | | | | | | | | | | | | | | | | |
| Al-Sc (7050)..... | 526 | | | | | | | | | | | | | | | | |
| Al-Sc (7055)..... | 527 | | | | | | | | | | | | | | | | |
| Other _____ | 523 | | | | | | | | | | | | | | | | |
| Other _____ | 524 | | | | | | | | | | | | | | | | |
| Radioactive isotopes (specify) _____ | 528 | | | | | | | | | | | | | | | | |
| Scandium other..... | 530 | | | | | | | | | | | | | | | | |

2. Sources of scandium imports.

- Australia China India Madagascar South Africa Others (specify) _____
 Brazil Estonia Japan Malaysia Ukraine _____
 Canada France Kazakstan Russia United Kingdom _____

3. Quantity of shipments to consumers by use.

| Use | Code | Sc ₂ O ₃ equivalent compounds | | Sc metal content gross weight | | Use | Code | Sc ₂ O ₃ equivalent compounds | | Sc metal content gross weight | |
|----------------|------|--|-------------------------------|----------------------------------|-------------------------------|------------------|------|--|-------------------------------|----------------------------------|-------------------------------|
| | | lbs. <input type="checkbox"/> | kgs. <input type="checkbox"/> | lbs. <input type="checkbox"/> | kgs. <input type="checkbox"/> | | | lbs. <input type="checkbox"/> | kgs. <input type="checkbox"/> | lbs. <input type="checkbox"/> | kgs. <input type="checkbox"/> |
| Catalysts..... | 803 | | | | | Electronics..... | 821 | | | | |
| Alloys..... | 809 | | | | | Ceramics..... | 826 | | | | |
| Lighting..... | 812 | | | | | Other _____ | 827 | | | | |
| Lasers..... | 815 | | | | | Other _____ | 828 | | | | |

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 | | |
|-----------|--|--|-------|--|--|------|--|--|