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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.

GALLIUM

(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 **AS SOON AS POSSIBLE**. Complete a separate form for each establishment that was active during the reporting period. 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.

Location of establishment: Nearest city or town _____ County _____ State _____

SECTION 1. Stocks, receipts, production, and disposition of gallium. (gross weight in grams)

- Column 2. Beginning stocks.** Report only the quantity of metal, compounds, or residues in your plant at the beginning of the year.
- Column 3. Receipts.** Report the quantity of metals, compounds, or residues received at your plant during the year.
- Column 4. Production.** Report the quantity of metal produced during the year from residues; or if metal is further processed to compounds; report production of compounds.
- Column 5. Consumption.** Report the quantity of each type consumed by the reporting establishment during the year.
- Column 6. Reshipments.** Report only that quantity of gallium metal and/or compounds shipped during the year in the same form in which received. **DO NOT REPORT SHIPMENT OF FINAL PRODUCTS.**
- Column 7. Ending stocks.** Report only the quantity of metal, compounds, or residues in your plant at the end of the year.

| Type (1) | Code | Beginning stocks (2) | Receipts (3) | Production (4) | Consumption (5) | Reshipments (6) | Ending stocks (7) |
|--|------|----------------------|--------------|----------------|-----------------|-----------------|-------------------|
| Gallium metal: | | | | | | | |
| 97.0 - 99.9% (3N or less)..... | 201 | | | | | | |
| 99.99% - 99.999% (4N-5N)..... | 225 | | | | | | |
| 99.9999% (6N)..... | 226 | | | | | | |
| 99.99999% (7N)..... | 227 | | | | | | |
| Gallium compounds: | | | | | | | |
| Arsenide (GaAs)..... | 206 | | | | | | |
| Oxide (Ga ₂ O ₃)..... | 207 | | | | | | |
| Phosphide (GaP)..... | 208 | | | | | | |
| Arsenide-phosphide (GaAsP)..... | 210 | | | | | | |
| Aluminum-arsenide (GaAlAs)..... | 228 | | | | | | |
| Trimethylgallium (TMG)..... | 229 | | | | | | |
| Triethylgallium (TEG)..... | 230 | | | | | | |
| Other (specify) _____ | | | | | | | |
| Gallium arsenide scrap..... | 231 | | | | | | |
| Residues..... | 220 | | | | | | |
| Other materials (specify) _____ | | | | | | | |

SECTION 2. Consumption of gallium by use. (gross weight in grams)

Report the quantity of each item consumed (SECTION 1, COLUMN 5) by use.

Gallium arsenide ingot and wafer manufacturers: Report or estimate quantity of your product used in each of these applications.

| Use (1) | Code | GALLIUM METAL | | | |
|---|------|--------------------------------------|--------------------------------------|-------------------------|--------------------------|
| | | 97.0% - 99.9% (3N or less) (2) | 99.99% - 99.999% (4N - 5N) (3) | 99.9999% (6N) (4) | 99.99999% (7N) (5) |
| Optoelectronic devices: Light emitting diodes..... | 303 | | | | |
| Laser diodes..... | 315 | | | | |
| Photodetectors..... | 316 | | | | |
| Solar cells..... | 317 | | | | |
| Other (specify) _____ | 318 | | | | |
| Integrated circuits: Analog - commercial..... | 319 | | | | |
| Analog - military..... | 320 | | | | |
| Digital - commercial..... | 321 | | | | |
| Digital - military..... | 322 | | | | |
| Research and development..... | 306 | | | | |
| Dental alloys..... | 301 | | | | |
| Other alloys..... | 302 | | | | |
| Other (specify) _____ | 307 | | | | |

| Use (1) | Code | GALLIUM COMPOUNDS | | | | | | | |
|---|------|---------------------------|---|---------------------------|--|--|--|---------------------------------------|----------------------------|
| | | Arsenide (GaAs) (6) | Oxide (Ga ₂ O ₃) (7) | Phosphide (GaP) (8) | Arsenide- phosphide (GaAsP) (9) | Aluminium- arsenide (GaAlAs) (10) | Trimethyl- gallium (TMG) (11) | Triethyl- gallium (TEG) (12) | Other (specify) (13) |
| Optoelectronic devices: Light emitting diodes..... | 403 | | | | | | | | |
| Laser diodes..... | 415 | | | | | | | | |
| Photodetectors..... | 416 | | | | | | | | |
| Solar cells..... | 417 | | | | | | | | |
| Other (specify) _____ | 418 | | | | | | | | |
| Integrated circuits: Analog - commercial..... | 419 | | | | | | | | |
| Analog - military..... | 420 | | | | | | | | |
| Digital - commercial..... | 421 | | | | | | | | |
| Digital - military..... | 422 | | | | | | | | |
| Research and development..... | 406 | | | | | | | | |
| Dental alloys..... | 401 | | | | | | | | |
| Other alloys..... | 402 | | | | | | | | |
| Other (specify) _____ | 407 | | | | | | | | |

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