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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.

**MAGNESIUM**

\_\_\_\_\_  
(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.

**Location of plant:** City or town \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_

**SECTION 1. Stocks, receipts, and disposition of magnesium.**

Material (1)	Code	Report basis (2)	Weight unit (3)	Physical inventory adjustment only (4)	Beginning stocks (5)	Receipts (6)	CONSUMPTION		Shipments (9)	Ending stocks (10)	
							Quantity (7)	Percent Mg content (8)			
<b>Primary magnesium:</b>											
Pure magnesium.....	101	GROSS WEIGHT (1)	POUNDS (2)								
Magnesium-base alloy.....	102										
<b>Secondary and scrap magnesium:</b>											
Pure magnesium.....	104										
Magnesium-base alloy.....	105										
<b>Purchased scrap: <sup>1</sup></b>											
<b>Castings:</b>											
From new scrap.....	106										
From old scrap.....	107										
<b>TOTAL castings.....</b>	<b>108</b>										
Solid wrought scrap.....	109										
Borings, grindings, drosses, etc.....	110										
<b>TOTAL.....</b>	<b>199</b>										

<sup>1/</sup> Exclude your own home scrap reused in this plant. Include scrap reworked on toll or conversion basis.

**SECTION 2. Consumption of primary and secondary magnesium, by use.** [Gross weight (1); Pounds (2)]

Use	Code	PRIMARY MAGNESIUM		SECONDARY AND SCRAP MAGNESIUM				
		Pure magnesium (101)	Magnesium-base alloy (102)	Pure magnesium (104)	Magnesium-base alloy (105)	PURCHASED SCRAP		
						Castings (108)	Solid wrought scrap (109)	Borings, grindings, drosses, etc. (110)
Structural:								
Castings: <sup>1</sup>								
Sand.....	301							
Permanent mold.....	302							
Die.....	303							
Other ( <i>specify</i> ).....	304							
Wrought products:								
Sheet and plate.....	306							
Extrusions: <sup>1</sup>								
Rod, wire, tube, shapes.....	307							
Forgings.....	308							
Other ( <i>specify</i> ).....	309							
<b>TOTAL structural uses.....</b>	<b>310</b>							
Distributive and sacrificial:								
Alloys:								
Aluminum.....	311							
Copper.....	312							
Zinc.....	313							
Other ( <i>specify</i> ).....								
Metallurgical:								
Nodular iron.....	317							
Desulfurization of steel.....	318							
Scavenger and deoxidizer.....	319							
Reducing agent:								
For beryllium.....	321							
For hafnium.....	322							
For titanium.....	323							
For uranium.....	324							
For zirconium.....	325							
Cathode protection (anodes): <sup>1</sup>								
Cast anodes.....	327							
Extruded anodes.....	328							
Chemical (manufacture of).....	330							
Powder.....	331							
Experimental.....	332							
Other ( <i>specify</i> ).....								
.....								
.....								
.....								
<b>TOTAL distributive and sacrificial uses.....</b>	<b>350</b>							
<b>TOTAL all uses.....</b>	<b>399</b>							

<sup>1/</sup> Anodes should not be reported under "Castings" or "Extrusions".

**Remarks:**

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

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## GENERAL INSTRUCTIONS

Please return this form in the enclosed envelope or fax to the toll-free number on the first page of this form 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 complete "Location of plant", sign, and return the form. 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.

## SPECIFIC INSTRUCTIONS

*(Please follow these guides when completing the report form.)*

### SECTION 1. Stocks, receipts, and disposition of magnesium.

**Columns 1-3. Self-explanatory.**

**Column 4. Physical inventory adjustment only.**

Report adjustments necessary to correct ending inventory shown for the preceding report period. If adjustment is significant, explain under "Remarks". Show negative figures in parentheses.

**Column 5. Beginning stocks.**

Report all magnesium (COLUMN 1) on hand at the beginning of the reporting period, regardless of its ownership. *Entries in COLUMN 5 should reflect the inventory adjustment (COLUMN 4) made to ending stocks (COLUMN 10) of the preceding report.*

**Column 6. Receipts.**

Report magnesium (COLUMN 1) received by the reporting establishment; include materials coming from other companies and those transferred from other establishments of your company.

**Columns 7-8. Consumption.**

Report the quantity of magnesium (COLUMN 1) consumed in the reporting establishment during the reporting period. Report actual consumption, as indicated in your records, in pounds, and in percent of magnesium content.

**Column 9. Shipments.**

Enter the quantity of magnesium (COLUMN 1) shipped **without change** by the reporting establishment during the reporting period. Include materials going to other companies and those transferred to other establishments of your company.

**Column 10. Ending stocks.**

Report all magnesium (COLUMN 1) on hand at the end of the reporting period, regardless of its ownership. *For each line, the entry in COLUMN 10 should equal COLUMN 5 plus COLUMN 6 minus COLUMN 7 minus COLUMN 9.*

### SECTION 2. Consumption of primary and secondary magnesium, by use.

For each use, report the quantity of each type of magnesium actually consumed. *The total (CODE 399) should equal the quantity of the same type of material reported as consumed in COLUMN 7 of SECTION 1.*

