

# Mineral Industry Surveys

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## MANGANESE IN APRIL 2001

In April, reported consumption of manganese ore containing 35% or more manganese, exclusive of that at iron and steel plants, was estimated as 28,000 metric tons (t), which was a decrease of about one-fourth compared with that for the previous month, according to the U.S. Geological Survey. This brought the year-to-date total to 113,000 t. The figures for April increase to 30,400 t and 123,000 t, respectively, when estimates for annual respondents are added on the basis of 1999 data. Corresponding industry stocks of ore at the end of the month were estimated as 246,000 t, which includes an estimate for annual respondents on the basis of 1999 data. This was an increase of about 12% compared with the corresponding figure for stocks at the end of March.

Data for domestic consumption and stocks of manganese ferroalloys and metal will appear in a subsequent monthly report.

Foreign trade data for April will appear in a subsequent report. The data for March tabulated in this report indicate that the amount of manganese imported as ore, practically all of which was from Gabon, was the greatest since July 2000. Trade in manganese metal was relatively active, as the total amount imported was the greatest since November 1999 and the amount exported was the greatest since May 2000. **Note:** For early availability, the trade data appearing in this report were placed on MINES FaxBack in preliminary form as of May 29. The FaxBack document number for the preliminary April trade data will be 420204.

Government trade agencies took actions that affected antidumping duties on manganese metal and had the potential to enlarge those on silicomanganese. The International Trade Administration (ITA) of the U.S. Department of Commerce revoked its antidumping duty order on manganese metal imported from China on or after February 6, 2001. The ITA took this action because the only domestic participant in its sunset review of the order, Kerr-McGee Chemical LLC, withdrew from the review. This revocation did not apply to material imported prior to the date of revocation nor to administrative reviews thereof (U.S. Department of Commerce,

2001a).

In response to a petition filed April 6 by Eramet Marietta Inc., Marietta, OH, and the Paper, Allied-Industrial, Chemical and Energy Workers International Union, Belpre, OH, the U.S. International Trade Commission (ITC) began preliminary antidumping investigations concerning silicomanganese from India, Kazakhstan, and Venezuela, the initial hearing for which was scheduled for April 30 (U.S. International Trade Commission, 2001b). **Later action:** On May 18, the ITC made an affirmative determination of a reasonable indication of material injury to a U.S. industry. This decision meant that the ITA would continue its related investigation (U.S. International Trade Commission, 2001a). The ITA's investigation was initiated as of May 3 (U.S. Department of Commerce, 2001b).

The Defense National Stockpile Center (DNSC) of the Defense Logistics Agency, U.S. Department of Defense, reported a cash disposal of manganese material from the National Defense Stockpile in April that consisted of 875 t of electrolytic manganese metal, all of which went to BSI Alloys, Inc., Pittsburgh, PA. On April 9, the DNSC issued its revised Annual Material Plan for the current fiscal year 2001 (ends September 30) that increased the maximum sale quantity for the manganese ferro group to 68,039 t from 45,359 t. The DNSC further stated that the amount of ferromanganese actually offered for sale during fiscal year 2001 would be limited to 45,359 t until after the Market Impact Committee has reconsidered its recommendation.

## References Cited

- U.S. Department of Commerce, International Trade Administration, 2001a, January 2001 sunset reviews—Final result and revocation: Federal Register, v. 66, no. 63, April 2, p. 17524.
- 2001b, Notice of initiation of antidumping duty investigations—Silicomanganese from Kazakhstan, India and Venezuela: Federal Register, v. 66, no. 86, May 3, p. 22209-22213.
- U.S. International Trade Commission, 2001a, ITC votes to continue cases on silicomanganese from India, Kazakhstan, and Venezuela: Washington, DC, U.S. International Trade Commission news release 01-073, May 18, 2 p.
- 2001b, Silicomanganese from India, Kazakhstan, and Venezuela: Federal Register, v. 66, no. 75, April 18, p. 19981-19982.

TABLE 1  
SELECTED U.S. FOREIGN TRADE IN MANGANESE 1/

(Metric tons, manganese content) 2/

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
2000:						
March	16,800	57,500	74,400	383	1,000	1,390
January-March	59,800	123,000	183,000	729	3,310	4,040
2001:						
January	23,400 3/	35,100	58,400	185	1,830	2,020
February	11,900	25,400	37,300	723 3/	383	1,110
March	24,600 3/	24,300 3/	48,900	425	645	1,070
Total	59,900	84,800	145,000	1,330	2,860	4,190

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ As reported except as estimated for imports of manganese dioxide and manganese waste and scrap and for exports from gross weights.

3/ All or part of these data have been referred to the U.S. Census Bureau for verification.

Source: U.S. Census Bureau.

TABLE 2  
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN MARCH 2001 1/

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Australia	3,270	2,170	\$1,310,000	10,000	6,640	\$3,780,000
Canada	--	--	--	36	24	8,200
India	7,490	4,720	2,880,000	13,500	8,680	5,370,000
Kazakhstan	--	--	--	9,310	6,360	3,650,000
Lithuania 2/	4,000	2,710	1,720,000	4,000	2,710	1,720,000
Mexico	3,200	2,090	1,510,000	3,200	2,090	1,510,000
Norway	1,500	903	868,000	3,000	1,820	1,740,000
South Africa	3,600	2,390	1,460,000	19,500	13,100	7,270,000
Total	23,100	15,000	9,740,000	62,600	41,400	25,000,000
Total, general imports	23,100	15,000	9,740,000	62,600	41,400	25,000,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ All or part of these data have been referred to the U.S. Census Bureau for verification.

Source: U.S. Census Bureau.

TABLE 3  
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN MARCH 2001 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
<b>Low carbon:</b>						
Canada	--	--	--	36	29	\$19,400
China	20	18	\$23,900	362	329	369,000
Italy	--	--	--	320	266	252,000
Japan	1	31	22,100	1	31	22,100
Mexico	300	242	224,000	770	619	575,000
Netherlands	--	--	--	21	17	18,700
Norway	21	17	18,400	335	268	310,000
South Africa	1,670	1,400	1,260,000	2,210	1,900	1,970,000
Total, low carbon	2,010	1,700	1,550,000	4,050	3,460	3,530,000
Total, general imports of low carbon	2,010	1,700	1,550,000	4,050	3,460	3,530,000
<b>Medium carbon, 1%-2% C:</b>						
China	1,330	1,070	813,000	2,240	1,790	1,360,000
Mexico	1,550	1,250	1,110,000	4,450	3,590	3,080,000
South Africa	39	30	37,500	8,970	7,280	6,340,000
Total, m.c., 1%-2% C	2,920	2,350	1,960,000	15,700	12,700	10,800,000
Total, general imports of m.c., 1%-2% C	2,920	2,350	1,960,000	15,700	12,700	10,800,000
<b>High carbon:</b>						
Australia	2,010	1,550	777,000	10,400	7,960	4,120,000
Brazil	--	--	--	3,980	3,070	1,470,000
Canada	--	--	--	17	13	9,600
France	--	--	--	3,000	2,340	1,070,000
India	2,350	1,780	892,000	2,350	1,780	892,000
South Africa	--	--	--	9,270	7,140	3,850,000
Total, high carbon	4,360	3,330	1,670,000	29,000	22,300	11,400,000
Total, general imports of high carbon	4,360	3,330	1,670,000	29,000	22,300	11,400,000
Grand total	9,290	7,380	5,180,000	48,700	38,400	25,700,000
Grand total, general imports	9,290	7,380	5,180,000	48,700	38,400	25,700,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 4  
U.S. IMPORTS OF MANGANESE ORE (20% OR MORE Mn) IN MARCH 2001 1/ 2/

(Metric tons)

Source	20% - 47% Mn		47% or more Mn		Total	
	Gross weight	Mn content	Gross weight	Mn content	Gross weight	Mn content
Gabon	--	--	39,600 3/	22,200 3/	39,600	22,200
Mexico	1,390	518	--	--	1,390	518
Morocco	--	--	20	11	20	11
Total	1,390	518	39,600	22,200	41,000	22,700
<b>Year to date:</b>						
Gabon	10,300	4,550	85,800	48,800	96,100	53,300
Mexico	1,680	648	--	--	1,680	648
Morocco	--	--	20	11	20	11
Total	12,000	5,200	85,800	48,800	97,800	54,000

-- Zero.

1/ Quantities for general imports and imports for consumption are identical.

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

3/ All or part of these data have been referred to the U.S. Census Bureau for verification.

Source: U.S. Census Bureau.

TABLE 5  
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE AND MANGANESE METAL IN MARCH 2001 1/

(Metric tons, gross weight, unless otherwise specified)

Source	Manganese dioxide				Manganese metal			
	Quantity	Customs value	Year to date		Unwrought		Other	
			Quantity	Customs value	Quantity	Year to date	Quantity	Year to date
Australia	2,030	\$4,150,000	5,700	\$9,380,000	--	--	--	2
Belgium	49	96,100	173	234,000	--	--	--	--
Canada	--	--	--	--	--	--	--	1
China	72	70,000	232	225,000	60	458	6	16
France	--	--	--	--	--	--	--	8
Germany	--	--	17	38,100	223	499	9	9
Greece	146	192,000	563	728,000	--	--	--	--
India	1	3,130	1	3,130	--	--	19	95
Ireland	717	1,000,000	1,750	2,400,000	--	--	--	--
Japan	16	30,300	17	32,500	--	--	--	--
Mexico	--	--	--	--	--	--	15	48
Morocco	--	--	1	2,530	--	--	--	--
Netherlands	--	--	--	--	--	--	1	11
Russia	--	--	--	--	--	--	385	385
South Africa	143	208,000	1,430	2,010,000	1,100	3,140	--	--
Spain	--	--	--	--	30	30	--	--
United Kingdom	--	--	--	--	21	59	(2/)	(2/)
Total	3,170	5,750,000	9,880	15,100,000	1,430	4,190	434	574
Total, general imports	3,170	5,750,000	9,860	15,000,000	1,430	4,120	494	634

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

Note: Imports for consumption of metallic manganese waste and scrap totaled 159 tons, all of which was from Canada, to give a year-to-date total of 330 tons.

Source: U.S. Census Bureau.

TABLE 6  
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE Mn), FERROMANGANESE,  
SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN 2001 1/

(Metric tons, gross weight)

	Manganese ore		Ferromanganese, 2% or less C		Silicomanganese		Manganese metal 2/	
	March	Year to date	March	Year to date	March	Year to date	March	Year to date
Australia	33	55	--	--	--	5	--	2
Belgium	--	--	--	--	--	--	--	19
Brazil	46	46	--	--	11	15	--	--
Canada	265	583	148	281	21	132	5	12
Chile	--	3	--	--	--	--	--	--
Finland	--	--	--	--	--	--	--	18
France	--	--	--	--	--	--	14	19
Germany	395	395	--	--	--	--	38	57
Hong Kong	--	--	--	--	--	--	--	1
Ireland	--	137	--	--	--	--	--	--
Italy	19	58	--	--	--	--	1	1
Japan	--	--	--	--	--	--	29	158
Korea, Republic of	--	--	--	--	--	--	--	3
Mexico	--	--	--	65	20	2,110	--	31
Netherlands	--	--	--	--	--	5	159	162
Norway	--	139	--	--	--	--	--	--
Saudi Arabia	5	5	--	--	--	--	--	--
Singapore	--	--	--	4	--	--	--	--
Spain	--	--	--	--	8	8	--	--
Sweden	19	19	--	--	--	--	--	18
Switzerland	--	19	--	--	--	--	--	--
Taiwan	53	53	--	--	--	--	--	--
United Kingdom	--	1,140	--	--	--	--	--	--
Venezuela	16	16	--	--	--	--	--	--
Total	851	2,670	148	350	60	2,270	246	501

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes manganese-aluminum, some other alloys, and waste and scrap.

Note: Exports of ferromanganese with more than 2% carbon totaled 306 tons, all of which went to Canada, to give a year-to-date total of 738 tons.

Source: U.S. Census Bureau.

TABLE 7  
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN MARCH 2001, BY CLASS 1/

Class	Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands) 2/	Year to date		
				Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands) 2/
<b>Imports for consumption:</b>						
Manganese oxides other than dioxide	135	\$151	South Africa 101; \$54	250	\$372	South Africa 155; \$191
Sulfates, basket category, including manganese sulfate	4,740	2,200	China 2,730; \$735	9,720	5,560	China 4,070; \$1,710
Potassium permanganate	160	311	Czech Republic 88; \$174	475	921	India 234; \$443
Manganites, manganates, and other permanganates	32	128	Germany 17; \$113	32	128	Germany 17; \$113
<b>Exports:</b>						
Manganese dioxide	350	430	Canada 160; \$52	959	1,150	Canada 560; \$248
Manganese oxides other than dioxide	394	825	Canada 153; \$59	2,110	2,740	Canada 738; \$296
Sulfates, basket category, including manganese sulfate	2,350	1,240	Canada 1,880; \$484	7,090	4,710	Canada 5,480; \$1,420
Potassium permanganate	38	104	Canada 20; \$38	427	896	Spain 215; \$388
Manganites, manganates, and other permanganates	29	90	Nicaragua 19; \$34	98	425	Nicaragua 34; \$66

-- Zero.

1/ Data are rounded to no more than three significant digits.

2/ For imports, Customs value; for exports, f.a.s. value.

Source: U.S. Census Bureau.