



Vanadium in May 2026

This workbook includes 3 tables.

GENERAL INFORMATION

This publication is provided by the National Minerals Information Center (NMIC), U.S. Geological Survey (USGS).

Includes data available through September 8, 2026, unless otherwise noted.

NMIC data included in Excel tables of the Minerals Yearbook Chapters and Minerals Industry Surveys are considered preliminary, for informational purposes only.

Comprehensive data releases and list services for NMIC publications are available at <https://www.usgs.gov/centers/national-minerals-information-center>.

Data in these tables may not include granular footnotes.

Unless otherwise noted, totals, United States (U.S.) data, and estimated data are rounded to no more than three significant digits, except prices and unit values; may not add to totals shown. Data may include revisions to previously published data.

FOOTNOTES AND TERMINOLOGY

Year-to-date indicates the sum of all months or quarters for the given year to the given period.

Estimated data contained in a row or column are marked with a superscript "e." Preliminary data contained in a row or column are marked with a superscript "p."

Do, ditto. NA, not available. No., number. W, withheld to avoid disclosing company proprietary data. —, not applicable. <0.5, less than half a unit.

TRADE DATA

"Trade data are sourced from the U.S. Census Bureau (<https://usatrade.census.gov/>). "HTS" refers to the Harmonized Tariff Schedule of the United States, and "Schedule B" refers to the Schedule B export classification system used by the United States."

"Imports refers to "imports for consumption." The import valuation is the U.S. customs value, as appraised by the U.S. Customs and Border Protection, and generally defined as as the price actually paid or payable for merchandise when sold for exportation to the United States, excluding U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise to the United States."

CONTACT

For questions on this report, please contact Désirée E. Polyak, dpolyak@usgs.gov.

If you are an industry producer or consumer and would like to contribute to NMIC industry surveys, please contact Sheema Merchant, smerchant@usgs.gov.

Table 1. U.S. imports of vanadium products.
[Data are in kilograms, unless otherwise specified.]

		2026								
Material	HTS codes	April			May			Year-to-date		
		Gross weight	Vanadium content	Value (thousand dollars)	Gross weight	Vanadium content	Value (thousand dollars)	Gross weight	Vanadium content	Value (thousand dollars)
Vanadium ores and concentrates ¹	2615.90.6090	3,000	1,800	8,490	36	22	3,400	3,040	1,820	11,900
Vanadium bearing ash and residues ^{1, 2}	2620.40.0030, 2620.99.1000	NA	NA	1,900,000	NA	NA	610,000	NA	NA	7,990,000
Total¹	—	—	—	1,910,000	—	—	613,000	—	—	8,000,000
Ferrovandium	7202.92.0000	579,000	435,000	12,300,000	349,000	260,000	8,670,000	1,840,000	1,370,000	41,600,000
Vanadium metal, including waste and scrap	8112.92.7000	9,070	9,070	393,000	17,700	12,300	719,000	33,600	27,100	1,710,000
Vanadium and articles thereof ³	8112.99.2000	20,200	15,700	405,000	3,830	2,950	249,000	26,300	20,700	1,070,000
Total	—	608,000	459,000	13,100,000	371,000	276,000	9,640,000	1,900,000	1,420,000	44,400,000
Chemical compounds										
Vanadium pentoxide (anhydride)	2825.30.0010	402,000	348,000	5,760,000	358,000	209,000	5,120,000	1,640,000	1,300,000	23,100,000
Vanadium oxides and hydroxides, other	2825.30.0050	0	0	0	36,000	23,400	682,000	285,000	176,000	3,960,000
Vanadium chlorides	2827.39.1000	5,000	4,760	122,000	201	201	18,500	14,300	13,600	424,000
Vanadium chloride oxide and chloride hydroxide	2827.49.1000	18,500	17,600	256,000	0	0	0	42,600	38,600	646,000
Vanadium sulfates	2833.29.3000	0	0	0	2,550	1,590	18,900	13,500	10,100	165,000
Vanadates	2841.90.1000	513	10	66,100	0	0	0	520	14	72,200
Hydrides and nitrides of vanadium	2850.00.2000	29,200	23,100	181,000	69,500	54,900	391,000	168,000	133,000	990,000
Total	—	455,000	393,000	6,390,000	466,000	290,000	6,230,000	2,170,000	1,670,000	29,300,000

¹Data are in kilograms for vanadium content of vanadium pentoxide equivalent.

²U.S. Census Bureau has suppressed quantity data for some months; not included in "Total".

³Aluminum-vanadium master alloy consisting of 35% aluminum and 64.5% vanadium.

Table 2. U.S. imports and exports of ferrovandium, other oxides and hydroxides of vanadium, vanadium ores and concentrates, and vanadium pentoxide (anhydride).

[Presentation of monthly data is based on the quantities (gross weight or contained weight) of the five leading countries or localities in May. Data are in kilograms, gross and contained weight.

2026							
Country or locality	HTS codes and Schedule B numbers	April		May		Year-to-date	
		Gross weight	Vanadium content	Gross weight	Vanadium content	Gross weight	Vanadium content
Imports for consumption							
Vanadium ores and concentrates ¹							
China	2615.90.6090	0	0	36	22	36	22
Spain		3,000	1,800	0	0	3,000	1,800
Total		3,000	1,800	36	22	3,040	1,820
Vanadium pentoxide (anhydride) ²							
Austria	2825.30.0010	1,510	863	0	0	1,510	863
Brazil		0	0	78,000	44,600	278,000	182,000
Korea Republic, of		40,000	31,100	0	0	40,000	31,100
South Africa		360,000	316,000	280,000	165,000	1,320,000	1,080,000
Other [2 countries and (or) localities]		34	34	0	0	34	34
Total		402,000	348,000	358,000	209,000	1,640,000	1,300,000
Other oxides and hydroxides of vanadium							
Brazil	2825.30.0050	0	0	36,000	23,400	264,000	162,000
South Africa		0	0	0	0	20,000	13,200
Other [1 country and (or) locality]		0	0	0	0	1,260	815
Total		0	0	36,000	23,400	285,000	176,000
Ferrovanadium							
Austria	7202.92.0000	147,000	115,000	96,300	76,100	318,000	251,000
Canada		189,000	142,000	117,000	94,000	848,000	672,000
Japan		112,000	75,300	60,000	31,600	403,000	238,000
Korea Republic, of		20,000	16,200	20,000	16,200	60,500	49,000
Latvia		75,100	56,200	0	0	123,000	88,800
Taiwan		30,000	25,100	20,000	14,800	50,000	39,900
Other [3 countries and (or) localities]		6,000	4,760	35,800	27,700	41,800	32,500
Total		579,000	435,000	349,000	260,000	1,840,000	1,370,000
Exports							
Vanadium ores and concentrates							
Canada	2615.90.6090	2,890	NA	0	0	4,720	NA
Latvia		0	0	75,100	0	78,500	NA
Thailand		0	0	2,750	0	4,750	NA
Other [1 country and (or) locality]		0	0	0	0	3,770	NA
Total		2,890	—	77,900	—	91,800	—
Vanadium pentoxide (anhydride) ¹							
Belgium	2825.30.0010	0	0	0	0	40,500	NA
Germany		5,590	NA	9,010	NA	14,600	NA
India		14,300	NA	0	0	14,300	NA
Total		19,900	—	9,010	—	69,400	—
Other oxides and hydroxides of vanadium							
Canada	2825.30.0050	NA	445	0	0	NA	18,200
Germany		0	0	NA	346	NA	725
Total		—	445	—	346	—	18,900
Ferrovanadium							
Mexico	7202.92.0000	0	0	0	0	68	51
Other [2 countries and (or) localities]		0	0	0	0	5,200	3,900
Total		0	0	0	0	5,270	3,950

¹Vanadium content is reported as vanadium pentoxide equivalent.

Table 3. U.S imports and exports of aluminum vanadium master alloy, vanadium bearing ash and residues, vanadium sulfates, vanadates, vanadium metal, and U.S. imports of slag.

[Presentation of monthly data is based on the quantities (gross weight or contained weight) of the leading countries and (or) localities in May. Data are in kilograms, gross and contained weight.]

		2026					
Country or locality	HTS codes and Schedule B numbers	April		May		Year-to-date	
		Gross weight	Vanadium content	Gross weight	Vanadium content	Gross weight	Vanadium content
Imports for consumption							
Slag, from the manufacture of iron and steel							
Canada		1,280,000	NA	3,990,000	NA	9,560,000	NA
Japan		26,900	NA	0	0	75,900	NA
Korea, Republic of	2619.00.9000	0	0	20,400,000	NA	20,400,000	NA
Mexico		33,000	NA	158	NA	328,000	NA
Other [1 country and (or) 1		61	NA	0	0	61	NA
Total		1,340,000	—	24,400,000	—	30,300,000	—
Vanadium bearing ash and residues							
Total	2620.40.0030, 2620.99.1000	NA	NA	NA	NA	NA	NA
Vanadium sulfates							
China		0	0	2,550	1,590	8,950	5,580
United Kingdom	2833.29.3000	0	0	0	0	4,540	4,540
Total		0	0	2,550	1,590	13,500	10,100
Vanadates							
Hong Kong		1	1	0	0	1	1
India	2841.90.1000	512	9	0	0	512	9
Other [1 country and (or) 1		0	0	0	0	7	4
Total		513	10	0	0	520	14
Hydrides and nitrides of vanadium							
China		11,100	8,750	40,800	32,200	60,100	48,100
Ireland		18,000	14,200	28,300	22,400	107,000	84,500
Korea, Republic of	2850.00.2000	9	7	0	0	63	53
Other [4 countries and (or) 1		50	42	348	300	466	396
Total		29,200	23,100	69,500	54,900	168,000	133,000
Vanadium metal, including waste and scrap and aluminum-vanadium master alloy							
Canada		252	252	834	834	2,090	2,090
China		19,900	15,400	54	54	20,000	15,500
Germany		9,070	9,070	15,300	9,950	26,900	21,100
Japan	8112.92.7000, 8112.99.2000	0	0	1,870	1,870	7,130	6,290
Mexico		36	36	408	408	633	633
Other [2 countries and (or) 1		0	0	3,080	2,120	3,080	2,120
Total		29,300	24,800	21,600	15,200	59,800	47,700
Exports							
Vanadium bearing ash and residues							
Belgium		9,710	NA	22,900	NA	69,700	NA
Colombia		18,400	0	0	0	18,400	NA
Korea, Republic of		96,300	NA	109,000	NA	1,100,000	NA
Mexico	2620.50.0000, 2620.99.1000	20,000	NA	0	0	20,000	NA
Thailand		0	0	0	0	19,000	NA
Other [1 country and (or) 1		0	0	0	0	18,800	NA
Total		144,000	—	132,000	—	1,250,000	—
Vanadium metal, including waste and scrap and aluminum-vanadium master alloy							
Canada		0	0	0	0	1,260	NA
Germany		0	0	2,410	NA	2,610	NA
India		0	0	0	0	5,300	NA
Japan	8112.92.7000, 8112.99.2000	0	0	11,100	NA	23,000	NA
Poland		1,000	NA	656	NA	1,660	NA
Other [4 countries and (or) 1		79	NA	0	0	804	NA
Total		1,080	—	14,100	—	34,700	—