

Mineral Industry Surveys

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FLUORSPAR IN THE FOURTH QUARTER 2025

Fluorspar imports in the fourth quarter of 2025 totaled 125,000 metric tons (t), consisting of 119,000 t of acid-grade material and 6,200 t of metallurgical-grade material (fig. 1, table 1). In terms of quantity, acid-grade imports decreased by 1% compared with those in the previous quarter and increased by 26% compared with imports in the fourth quarter of 2024. The leading sources of acid-grade imports during the fourth quarter of 2025 were Mexico (52%), Vietnam (17%), Thailand (11%), and South Africa (10%). Imports of metallurgical-grade fluorspar decreased by 2% compared with those in the previous quarter and decreased by 16% compared with imports in the fourth quarter of 2024. In the fourth quarter of 2025, China (55%), Mexico (41%), and Pakistan (3%) were leading suppliers of metallurgical-grade fluorspar (table 2).

Total imports of fluorspar in 2025 were 436,000 t, 414,000 t of which were acid grade and 22,000 t of which were metallurgical grade. Acid-grade imports increased by 11% compared with those in 2024. The leading sources of acid-grade imports in 2025 were Mexico (59%), Vietnam (19%), and South Africa (13%). Metallurgical-grade imports decreased by 30% compared with those in 2024. The leading sources of metallurgical-grade imports were Mexico (42%), China (41%), Mongolia (11%), and Pakistan (6%) (table 2).

In the fourth quarter of 2025, imports of other fluorine-containing materials produced directly from fluorspar were 16,900 t of hydrofluoric acid, 3,070 t of aluminum fluoride, and 4,990 t of cryolite (table 1). Mexico was the leading supplier of hydrofluoric acid imports, accounting for 71% of imports (table 3). Exports of acid- and metallurgical-grade fluorspar, aluminum fluoride, and cryolite were likely re-exports as there is no domestic production (table 1).

In the fourth quarter of 2025, the quarterly average unit value of acid-grade imports was \$458 per metric ton, a 1% decrease compared with the annual average unit value of \$464 per metric ton in 2024. The quarterly average unit value of acid-grade imports from Mexico was \$496 per metric ton, a 7% increase compared with the annual average unit value of \$465 per metric ton in 2024. The quarterly average unit value of acid-grade imports from Vietnam was an estimated \$420 per metric ton, a 15% increase compared with the estimated annual average unit value of \$360 per metric ton in 2024. The quarterly average unit value of acid-grade imports from South

Africa was \$422 per metric ton, a 15% decrease compared with the annual average import value of \$497 per metric ton in 2024. The annual average unit value of acid-grade imports in 2025 was \$469 per metric ton, a 1% increase compared with the 2024 annual average value of \$464 per metric ton (table 2).

The quarterly average unit value of metallurgical-grade imports was \$418 per metric ton, a 25% increase compared with the 2024 annual average unit value of \$336 per metric ton. The quarterly average unit value of metallurgical-grade imports from Mexico was \$220 per metric ton, a 63% increase compared with the annual average unit value of \$135 per metric ton in 2024. The quarterly average unit value of metallurgical-grade imports from China was \$550 per metric ton compared with the annual average unit value of \$549 per metric ton in 2024. The annual average unit value of metallurgical-grade imports in 2025 was \$400 per metric ton, a 19% increase compared with the annual average unit value in 2024 (table 2).

Update

On October 30, Solstice Advanced Materials Inc. (Morris Plains, NJ) separated from Honeywell International Inc. (Charlotte, NC) as part of a planned break up of its conglomerate structure. Solstice's largest businesses include aerosols, blowing agents, intermediates for nuclear fuels, and refrigerants, all applications which rely on fluorine chemistry. Additionally, the firm produces electronic materials, laboratory and specialty chemicals, pharmaceutical packaging materials, and specialty fibers used in defense applications (Tullo, 2025).

Reference Cited

Tullo, Alexander, 2025, Solstice, a new chemical company, rises from Honeywell: Washington, DC, Chemical and Engineering News, American Chemical Society, November 13. (Accessed March 4, 2026, at <https://cen.acs.org/business/finance/Solstice-new-chemical-company-rises/103/web/2025/11>.)

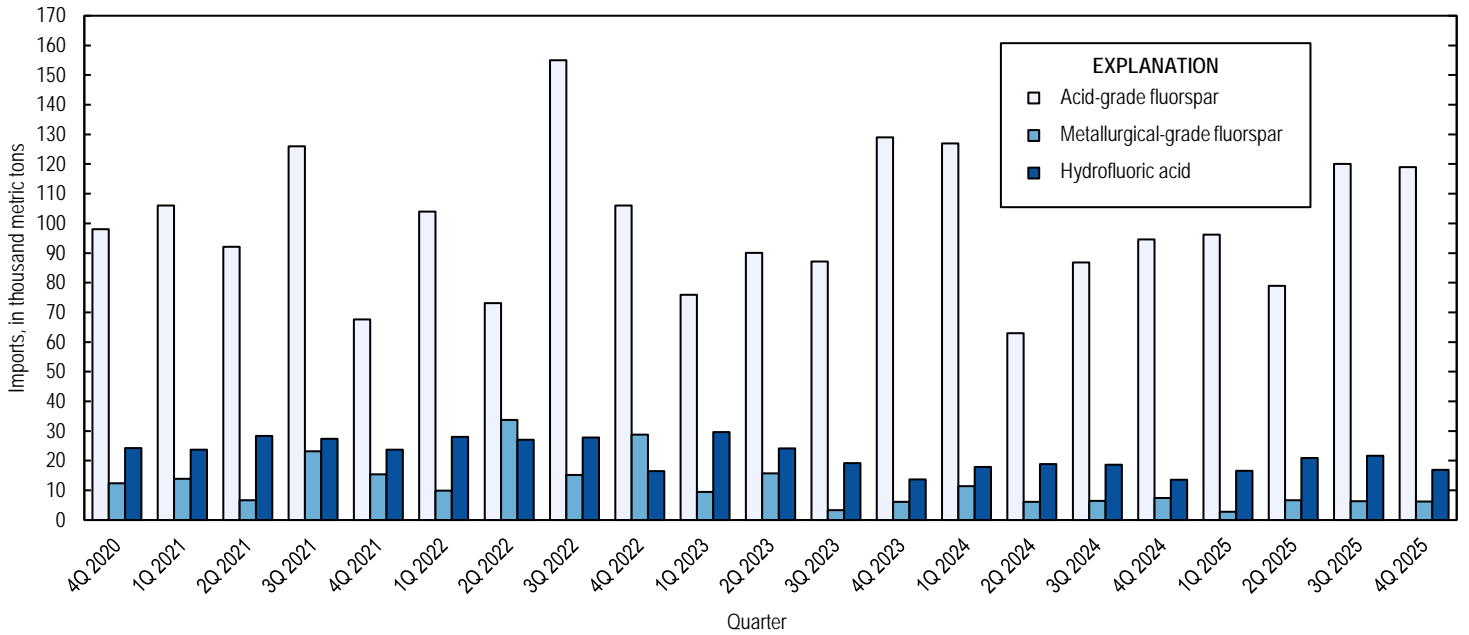


Figure 1. Acid-grade fluorspar, metallurgical-grade fluorspar, and hydrofluoric acid imports from the fourth quarter of 2020 through the fourth quarter of 2025. Source: U.S. Census Bureau and U.S. Geological Survey.

A worksheet has been added to the Excel table files that includes a button to remove text and numerical footnotes from data cells. This will allow users to only have numbers in data cells. Please see the worksheet titled "RemoveTextButton" for instructions on how to use the tool. Note: you must download the excel file to use the tool.

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Table 1. Salient fluorspar statistics.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons.]

Fluorspar statistics	2024				2025		
	4th quarter	1st quarter– 4th quarter	1st quarter	2d quarter	3d quarter	4th quarter	1st quarter– 4th quarter
Production, fluorspar	0	0	0	0	0	0	0
Imports for consumption¹							
Acid grade, more than 97% calcium fluoride	94,600	372,000	96,200	78,900	120,000	119,000	414,000
Metallurgical grade, not more than 97% calcium fluoride	7,420	31,400	2,750	6,660	6,340	6,200	22,000
Total	102,000	403,000	98,900	85,600	127,000	125,000	436,000
Hydrofluoric acid	13,600	68,900	16,600	20,900	21,700	16,900	76,100
Aluminum fluoride	3,390	21,800	4,910	5,120	4,280	3,070	17,400
Cryolite	4,000	21,600	4,370	6,040	5,660	4,990	21,100
Exports²							
Acid grade, more than 97% calcium fluoride	2,160	10,400	2,170	906	1,500	1,240	5,820
Metallurgical grade, not more than 97% calcium fluoride	543	3,110	556	412	216	194	1,380
Total	2,700	13,500	2,730	1,320	1,710	1,440	7,190
Hydrofluoric acid	2,660	13,600	4,730	3,000	2,270	2,890	12,900
Aluminum fluoride	35	116	55	118	75	24	271
Cryolite	1,420	5,890	612	784	1,400	613	3,410
Apparent consumption³							
Acid grade, more than 97% calcium fluoride	92,500	361,000	94,000	78,000	119,000	118,000	408,000
Metallurgical grade, not more than 97% calcium fluoride	6,870	28,300	2,190	6,250	6,120	6,010	20,600
Total	99,300	390,000	96,200	84,300	125,000	124,000	429,000

¹Sources: U.S. Census Bureau and Trade Mining, LLC; data may be adjusted by the U.S. Geological Survey.²Source: U.S. Census Bureau.³Defined as imports minus exports.

Table 2. U.S. imports for consumption of fluorspar, by country and value.

[Imports for consumption include imports of immediate entry and warehouse withdrawals. Data are rounded to no more than three significant digits; may not add to totals shown. Cost, insurance, and freight at U.S. ports. Estimated and revised data are marked with a superscript "e" and "r." Sources: U.S. Census Bureau and Trade Mining, LLC; data may be adjusted by the U.S. Geological Survey.]

Country or locality	2024				2025									
	4th quarter		1st quarter–4th quarter		1st quarter		2d quarter		3d quarter		4th quarter		1st quarter–4th quarter	
	Quantity (metric tons)	Value (thousand dollars)	Quantity (metric tons)	Value (thousand dollars)	Quantity (metric tons)	Value (thousand dollars)	Quantity (metric tons)	Value (thousand dollars)	Quantity (metric tons)	Value (thousand dollars)	Quantity (metric tons)	Value (thousand dollars)	Quantity (metric tons)	Value (thousand dollars)
Acid grade, more than 97% calcium fluoride														
Canada	0	0	852	456	300	158	300	159	9,270	3,940	8	7	9,880	4,260
China	886	469	25,500	12,800	3,340	1,870	292	156	1,390	599	1,580	762	6,610	3,380
Germany	79	50	287	173	76	61	94	65	81	55	79	44	330	226
India	0	0	162	92	0	0	0	0	0	0	0	0	0	0
Japan	0	0	0	0	0	0	298	157	0	0	0	0	298	157
Mexico	69,800	32,100	252,000	117,000	52,900	25,200	58,000	27,900	70,600	35,300	61,800	30,700	243,000	119,000
Mongolia	0	0	302	181	0	0	0	0	0	0	10,300	4,720	10,300	4,720
Namibia	0	0	0	0	1	4	0	0	0	0	0	0	1	3
South Africa	10,800	5,050	47,400	23,500 ^r	0	0	20,000	10,000	21,500	10,300	12,000	5,050	53,400	25,400
Spain	0	0	11,000	5,240	0	0	0	0	0	0	0	0	0	0
Sweden	0	0	142	76	0	0	0	0	0	0	0	0	0	0
Thailand	0	0	0	0	0	0	0	0	0	0	12,600	4,570	12,600	4,570
United Kingdom	0	0	58	35	5	18	1	6	0	0	0	0	6	25
Vietnam ¹	13,100	4,900 ^e	33,700	12,000 ^e	39,500	16,000 ^e	0	0	17,600	7,700 ^e	20,500	8,600 ^e	77,700	32,300 ^e
Total	94,600	42,500	372,000	172,000	96,200	43,300 ^{r,e}	78,900	38,500	120,000	58,000 ^r	119,000	54,400	414,000	194,000
Metallurgical grade, not more than 97% calcium fluoride														
Canada	0	0	22	17	0	0	0	0	0	0	0	0	0	0
China	0	0	13,200	7,230	0	0	3,470	1,980	2,080	1,050	3,430	1,890	8,980	4,910
Mexico	7,270	813	16,500	2,230	2,480	471	2,030	317	2,240	461	2,570	563	9,310	1,810
Mongolia	71	48	374	261	271	167	285	165	1,760	844	0	0	2,320	1,180
Namibia	0	0	0	0	0	0	0	0	1	4	21	13	22	17
Pakistan	0	0	90	92	0	0	870	558	200	131	188	131	1,260	820
South Africa	50	49	1,150	687	0	0	0	0	0	0	0	0	0	0
Thailand	0	0	0	0	0	0	0	0	60	38	0	0	60	38
Zambia	24	16	24	16	0	0	0	0	0	0	0	0	0	0
Total	7,420	926	31,400	10,500	2,750	637 ^r	6,660	3,020	6,340	2,530	6,200	2,590	22,000	8,780
Grand total	102,000	43,500	403,000	183,000	98,900	43,900 ^{r,e}	85,600	41,500	127,000	60,500	125,000	57,000	436,000	203,000

¹Estimated data are rounded to no more than two significant digits. And totals may include estimated data.

Table 3. U.S. imports for consumption of hydrofluoric acid.

[Data are rounded to no more than three significant digits; may not add to totals shown. Cost, insurance, and freight at U.S. ports. Revised data are marked with a superscript "r". Source: U.S. Census Bureau (<https://usatrade.census.gov/>).]

Country or locality	2024				2025									
	4d quarter		1st quarter–4th quarter		1st quarter		2d quarter		3d quarter		4d quarter		1st quarter–4th quarter	
	Quantity (metric tons)	Value (thousand dollars)	Quantity (metric tons)	Value (thousand dollars)	Quantity (metric tons)	Value (thousand dollars)	Quantity (metric tons)	Value (thousand dollars)	Quantity (metric tons)	Value (thousand dollars)	Quantity (metric tons)	Value (thousand dollars)	Quantity (metric tons)	Value (thousand dollars)
Belgium	1	31	2	103	(¹)	15	30	30	31	48	20	28	82	122
Canada	143	242	419	785 ^r	136	234	251	404	102	178	77	163	566	979
China	359	598	1,130	1,690	406	523	414	555	310	539	401	535	1,530	2,150
Colombia	(¹)	5	(¹)	5	0	0	0	0	0	0	0	0	0	0
France	0	0	0	0	(¹)	2	0	0	19	65	0	0	19	67
Germany	279	868	908	2,910	152	492	449	1,420	148	404	354	572	1,100	2,890
India	167	347	682	1,240	527	932	570	970	483	838	278	517	1,860	3,260
Japan	557	1,370	2,430	5,500	437	1,090	736	1,680	632	1,490	780	1,640	2,590	5,900
Korea, Republic of	229	544	906	2,150	211	485	283	670	286	696	380	881	1,160	2,730
Mexico	10,000	27,800	54,700	141,000	12,700	31,800	15,300	41,200	18,100	45,100	12,000	31,300	58,100	149,000
Norway	0	0	(¹)	8	0	0	0	0	0	0	0	0	0	0
Singapore	113	444	370	1,440	48	191	97	383	81	322	113	449	338	1,340
Spain	925	1,390	3,320	4,930	486	801	1,240	1,940	450	757	444	742	2,620	4,240
Taiwan	821	2,470	3,410	11,100	1,340	4,140	1,260	3,530	823	2,280	1,380	3,410	4,790	13,300
United Kingdom	0	0	684	1,160	148	248	224	378	237	497	722	929	1,330	2,050
Total	13,600	36,100	68,900	174,000	16,600	41,000	20,900	53,200	21,700	53,200	16,900	41,100	76,100	188,000

¹Less than ½ unit.