

Mineral Industry Surveys

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FLUORSPAR IN THE THIRD QUARTER 2025

Fluorspar imports in the third quarter of 2025 totaled 127,000 metric tons (t), consisting of 120,000 t of acid-grade material and 6,340 t of metallurgical-grade material (fig. 1, table 1). In terms of quantity, acid-grade imports increased by 53% compared with those in the previous quarter and increased by 39% compared with imports in the third quarter of 2024. The leading sources of acid-grade imports during the third quarter of 2025 were Mexico (59%), South Africa (18%), Vietnam (15%), and Canada (8%). Imports of metallurgical-grade fluorspar decreased by 5% compared with those in the previous quarter and decreased by 2% compared with imports in the third quarter of 2024. In the third quarter of 2025, Mexico (35%), China (33%), and Mongolia (28%) were leading suppliers of metallurgical-grade fluorspar (table 2).

In the third quarter of 2025, imports of other fluorine-containing materials produced directly from fluorspar were 21,700 t of hydrofluoric acid, 4,280 t of aluminum fluoride, and 5,660 t of cryolite (table 1). Mexico was the leading supplier of hydrofluoric acid imports, accounting for 83% 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 third quarter of 2025, the quarterly average unit value of acid-grade imports was \$481 per metric ton, an increase of 4% compared with the 2024 annual average unit value of \$464 per metric ton. The quarterly average unit value of acid-grade imports from Mexico was \$501 per metric ton, an 8% 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 South Africa was \$481 per metric ton, a 3% decrease compared with the annual average import value of \$497 per metric ton in 2024. The quarterly average unit value of acid-grade imports from Vietnam was an estimated \$430 per metric ton, an increase of 19% compared with the estimated annual average import value of \$360 per metric ton in 2024. The quarterly average unit value of acid-grade imports from Canada was \$425 per metric ton, a decrease of 21% compared with the annual average import value of \$535 per metric ton in 2024 (table 2).

The quarterly average unit value of metallurgical-grade imports was \$399 per metric ton, a 19% 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 \$206 per metric ton, a 53% 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 \$506 per metric ton, an 8% decrease compared with the annual average unit value of \$549 per metric ton in 2024. The quarterly average unit value of metallurgical-grade imports from Mongolia was \$480 per metric ton, a 31% decrease compared with the annual average unit value of \$698 per metric ton in 2024 (table 2).

Industry News

At the end of August, Canada Fluorspar (NL) Inc. (St. Lawrence, Newfoundland and Labrador, Canada) announced its first shipment of acid-grade fluorspar from its St. Lawrence mine, which was previously idled in 2022. The company planned on ramping up mining operations and commissioning the mill for its first year. The mine previously had the capacity to process 200,000 metric tons per year of acid-grade fluorspar (Skhosana, 2025).

In September, India's Directorate General of Trade Remedies (DGTR) in its final findings recommended anti-dumping duties on imports of R134a refrigerant gas (used in automotive air conditioning) and PTFE (polytetrafluoroethylene, a synthetic fluoropolymer) from China and Russia. This was expected to boost the fluorochemical industry and support stable pricing of refrigerant gases in India (Whalesbook Pvt. Ltd., 2025).

Global acid-grade fluorspar prices increased during the third quarter of 2025 and the increase was attributed to limited supply from existing producers and steady demand. In China, restricted supply of acid-grade fluorspar and stronger downstream consumption, were attributed for acid-grade fluorspar prices above \$550 per metric ton. The increase in consumption resulted from increased primary aluminum output, higher LiPF₆ pricing, and increased demand for electric vehicles (EVs). LiPF₆ is the main electrolyte salt used in the lithium-ion batteries in EVs, and acid-grade fluorspar is a key ingredient in its production. Outside of China, it was anticipated that demand for fluorspar would increase, particularly in the Middle East and India, as manufacturing and infrastructure-related demand for aluminum, refrigerants,

and specialty materials containing fluorine continued to expand (Masan High-Tech Materials Corp., 2025, p. 3).

References Cited

Masan High-Tech Materials Corp., 2025, MHT maintains positive earnings momentum on the back of operational efficiency and market strength: Ho Chi Minh City, Vietnam, Masan High-Tech Materials Corp., October 30, 6 p. (Accessed January 22, 2026, at https://masanhightechmaterials.com/wp-content/uploads/2025/10/MHT_ER-Q32025.pdf.)

Skhosana, Lungile, 2025, St. Lawrence fluorspar mine restart: London, United Kingdom, Project Blue Group Ltd., September 3. (Accessed January 22, 2026, at <https://projectblue.com/blue/news-analysis/1300/st-lawrence-fluorspar-mine-restart>.)

Whalesbook Pvt. Ltd., 2025, Indian companies poised for gains as anti-dumping duties target key imports: New Delhi, India, Whalesbook Pvt. Ltd., September 30. (Accessed January 22, 2026, at <https://www.whalesbook.com/news/English/chemicals/Indian-Companies-Poised-for-Gains-as-Anti-Dumping-Duties-Target-Key-Imports/68db6d5c0e42b7c56a783e80>.)

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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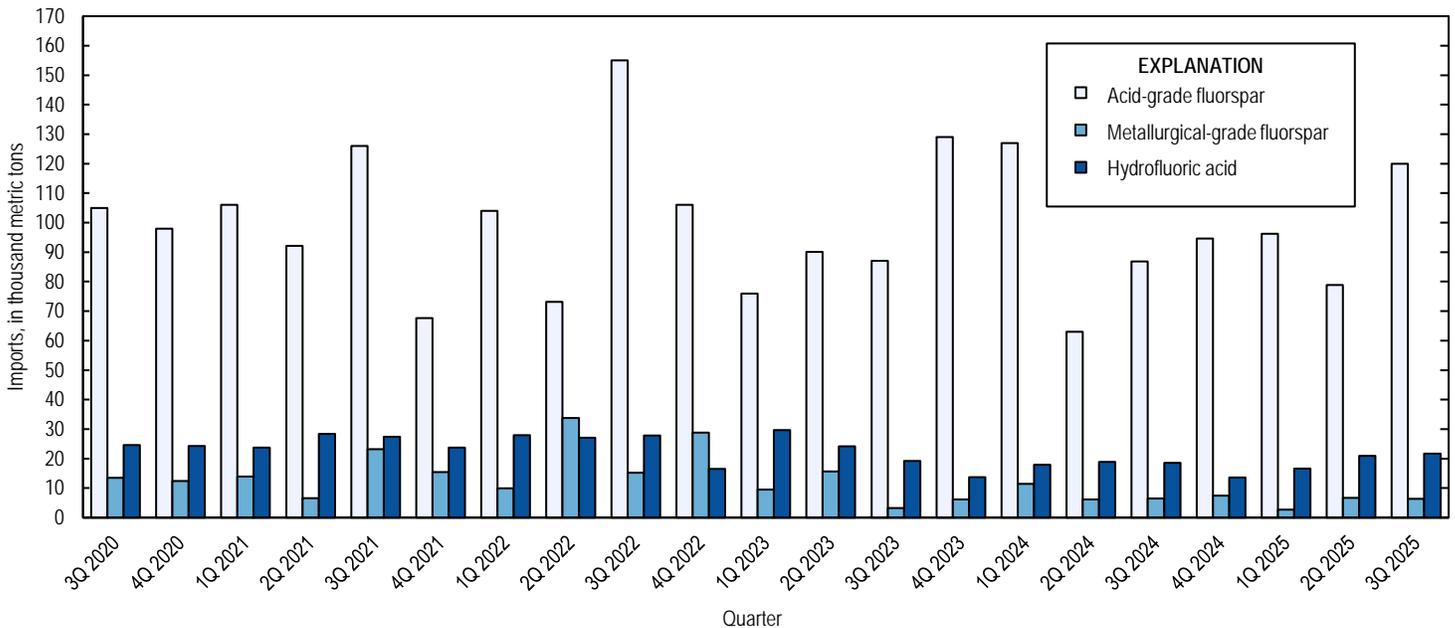


Figure 1. Acid-grade fluorspar, metallurgical-grade fluorspar, and hydrofluoric acid imports from the third quarter of 2020 through the third quarter of 2025. Source: U.S. Census Bureau and U.S. Geological Survey.

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		
	3d quarter	4th quarter	1st quarter– 4th quarter	1st quarter	2d quarter	3d quarter
Production, fluorspar	0	0	0	0	0	0
Imports for consumption¹						
Acid grade, more than 97% calcium fluoride	86,800	94,600	372,000	96,200	78,900	120,000
Metallurgical grade, not more than 97% calcium fluoride	6,440	7,420	31,400	2,750	6,660	6,340
Total	93,300	102,000	403,000	98,900	85,600	127,000
Hydrofluoric acid	18,600	13,600	68,900	16,600	20,900	21,700
Aluminum fluoride	7,760	3,390	21,800	4,910	5,120	4,280
Cryolite	6,330	4,000	21,600	4,370	6,040	5,660
Exports²						
Acid grade, more than 97% calcium fluoride	3,450	2,160	10,400	2,170	906	1,500
Metallurgical grade, not more than 97% calcium fluoride	772	543	3,110	556	412	216
Total	4,220	2,700	13,500	2,730	1,320	1,710
Hydrofluoric acid	2,920	2,660	13,600	4,730	3,000	2,270
Aluminum fluoride	53	35	116	55	118	75
Cryolite	1,680	1,420	5,890	612	784	1,400
Apparent consumption³						
Acid grade, more than 97% calcium fluoride	83,400	92,500	361,000	94,000	78,000	119,000
Metallurgical grade, not more than 97% calcium fluoride	5,670	6,870	28,300	2,190	6,250	6,120
Total	89,100	99,300	390,000	96,200	84,300	125,000

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 fluor spar, 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					
	3d quarter		4th quarter		1st quarter–4th quarter		1st quarter		2d quarter		3d quarter	
	Quantity (metric tons)	Value (thousand dollars)										
Acid grade, more than 97% calcium fluoride												
Canada	710	381	0	0	852	456	300	158	300	159	9,270	3,940
China	337	245	886	469	25,500	12,800	3,340	1,870	292	156	1,390	599
Germany	72	40	79	50	287	173	76	61	94	65	81	55
India	57	27	0	0	162	92	0	0	0	0	0	0
Japan	0	0	0	0	0	0	0	0	298	157	0	0
Mexico	63,100	29,000	69,800	32,100	252,000	117,000	52,900	25,200	58,000	27,900	70,600	35,300
Mongolia	0	0	0	0	302	181	0	0	0	0	0	0
Namibia	0	0	0	0	0	0	1	4	0	0	0	0
South Africa	10,200	5,290	10,800	5,050	47,400	23,600	0	0	20,000	10,000	21,500	10,300
Spain	11,000	5,240	0	0	11,000	5,240	0	0	0	0	0	0
Sweden	0	0	0	0	142	76	0	0	0	0	0	0
United Kingdom	0	0	0	0	58	35	5	18	1	6	0	0
Vietnam ¹	1,410	530 ^e	13,100	4,900 ^e	33,700	12,000 ^e	39,500	16,000 ^e	0	0	17,600	7,700 ^e
Total	86,800	40,800	94,600	42,500	372,000	172,000	96,200	42,900^e	78,900	38,500	120,000	57,800
Metallurgical grade, not more than 97% calcium fluoride												
Canada	22	17	0	0	22	17	0	0	0	0	0	0
China	4,520	2,700	0	0	13,200	7,230	0	0	3,470	1,980 ^r	2,080	1,050
Mexico	1,800	341	7,270	813	16,500	2,230	2,480	471	2,030	317	2,240	461
Mongolia	101	69	71	48	374	261	271	167	285	165	1,760	844
Namibia	0	0	0	0	0	0	0	0	0	0	1	4
Pakistan	0	0	0	0	90	92	0	0	870	558	200	131
South Africa	0	0	50	49	1,150	687	0	0	0	0	0	0
Thailand	0	0	0	0	0	0	0	0	0	0	60	38
Zambia	0	0	24	16	24	16	0	0	0	0	0	0
Total	6,440	3,130	7,420	926	31,400	10,500	2,750	638	6,660	3,020^r	6,340	2,530
Grand total	93,300	43,900	102,000	43,500	403,000	183,000	98,900	43,500^e	85,600	41,500	127,000	60,500

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					
	3d quarter		4d quarter		1st quarter–4th quarter		1st quarter		2d quarter		3d quarter	
	Quantity (metric tons)	Value (thousand dollars)										
Belgium	(¹)	29	1	31	2	103	(¹)	15	30	30	31	48
Canada	64	138	143	242	419	788	136	234	251	404	102	178
China	411	581	359	598	1,130	1,690	406	523	414	555	310	539
Colombia	0	0	(¹)	5	(¹)	5	0	0	0	0	0	0
France	0	0	0	0	0	0	(¹)	2	0	0	19	65
Germany	185	599	279	868	908	2,910	152	492	449	1,420	148	404
India	172	347	167	347	682	1,240	527	932	570	970	483	838
Japan	639	1,400	557	1,370	2,430	5,500	437	1,090	736	1,680	632	1,490
Korea, Republic of	229	516	229	544	906	2,150	211	485	283	670	286	696
Mexico	14,600	37,900	10,000	27,800	54,700	141,000	12,700	31,800	15,300	41,200	18,100	45,100
Norway	0	0	0	0	(¹)	8	0	0	0	0	0	0
Singapore	81	312	113	444	370	1,440	48	191	97	383	81	322
Spain	1,360	2,030	925	1,390	3,320	4,930	486	801	1,240	1,940	450	757
Taiwan	861	3,000	821	2,470	3,410	11,100	1,340	4,140	1,260	3,530	823	2,280
United Kingdom	0	0	0	0	684	1,160	148	248	224	378	237	497
Total	18,600	46,900	13,600	36,100	68,900	174,000	16,600	41,000	20,900	53,200	21,700	53,200

¹Less than ½ unit.