

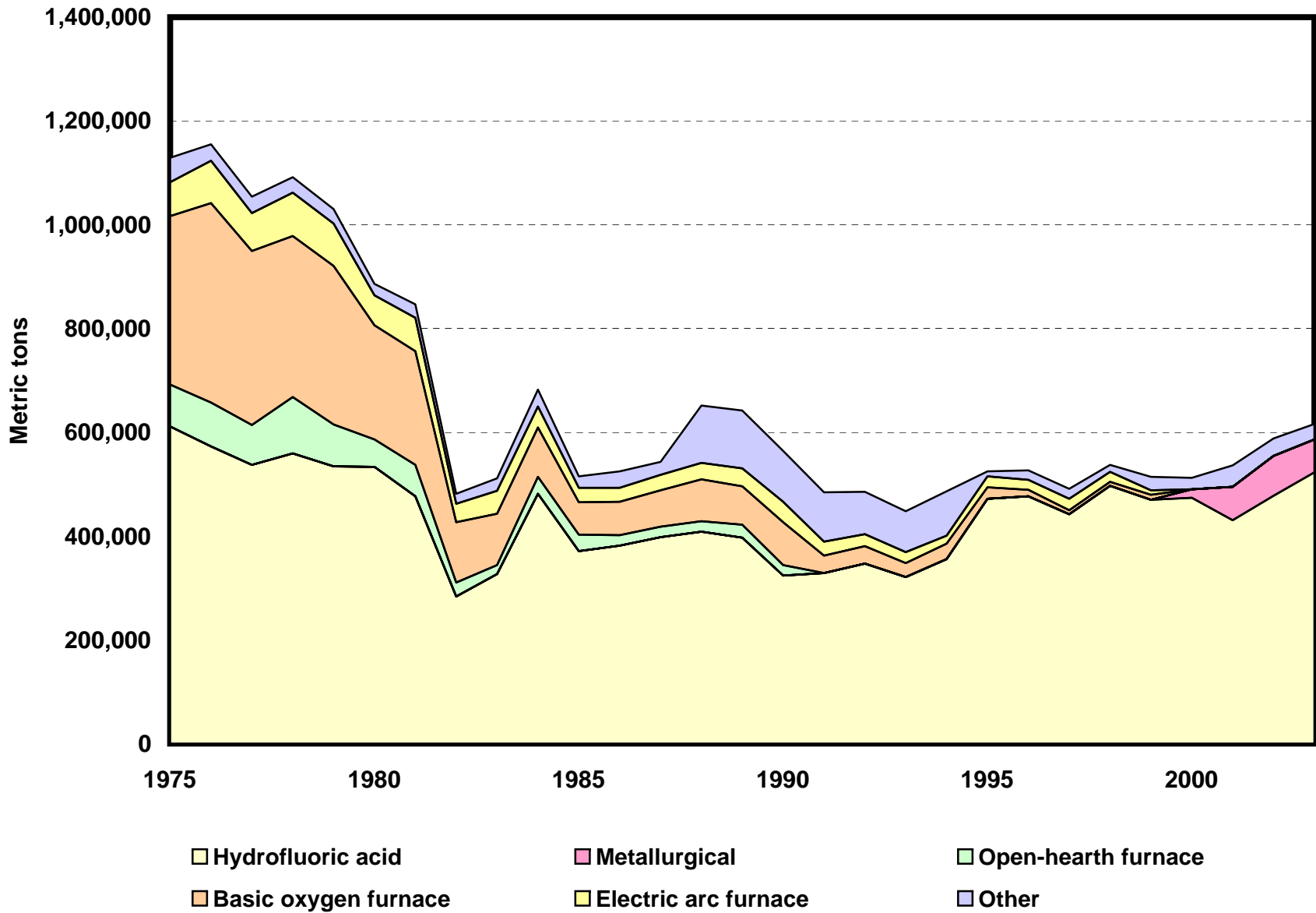
**FLUORSPAR END-USE STATISTICS<sup>1</sup>**  
**U.S. GEOLOGICAL SURVEY**  
 [Metric tons]

Last modification: September 15, 2005

Year	Hydrofluoric acid	Metallurgical	Open-hearth furnace	Basic oxygen furnace	Electric arc furnace	Other	Undistributed	Apparent consumption
1975	611,000		81,000	325,000	65,300	46,900	50,800	1,180,000
1976	573,000		84,200	384,000	81,900	32,300	-135,000	1,020,000
1977	537,000		77,100	335,000	73,400	31,700	25,800	1,080,000
1978	559,000		109,000	310,000	83,700	29,600	-128,000	964,000
1979	534,000		80,800	306,000	81,200	28,100	-40,900	989,000
1980	533,000		52,700	220,000	57,900	22,200	37,200	923,000
1981	477,000		60,400	219,000	64,600	25,500	-32,100	814,000
1982	283,000		27,400	116,000	36,000	19,200	79,800	561,000
1983	327,000		17,400	98,900	44,000	24,100	45,300	557,000
1984	481,000		32,600	95,500	40,500	32,900	-8,590	674,000
1985	371,000		31,400	63,100	27,300	22,100	105,000	620,000
1986	381,000		20,400	64,300	27,600	31,600	-7,010	518,000
1987	398,000		20,300	70,000	29,400	25,000	101,000	644,000
1988	408,000		20,600	80,700	31,500	111,000	75,900	727,000
1989	397,000		24,500	74,400	34,400	112,000	56,100	698,000
1990	324,000		20,000	83,100	38,800	98,300	2,460	567,000
1991	329,000			33,300	27,300	94,300	1,410	485,000
1992	347,000			33,200	23,000	81,900	83,600	569,000
1993	321,000			26,900	21,500	78,400	109,000	556,000
1994	356,000			29,500	15,400	85,100	70,000	556,000
1995	472,000			21,700	21,500	9,890	74,000	599,000
1996	477,000			11,900	19,200	18,800	192,000	719,000
1997	442,000			7,830	21,700	19,100	60,000	551,000
1998	497,000			7,330	19,700	13,300	53,000	591,000
1999	470,000			9,590	8,780	25,900	100,000	615,000
2000	474,000	15,900				22,200	89,000	601,000
2001	430,000	65,000				40,700	7,000	543,000
2002	478,000	76,900				33,300	0	588,000
2003	523,000	63,500				29,100	-27,000	589,000

<sup>1</sup>Compiled by G.R. Matos and M.M. Miller.

# End Uses of Fluorspar



## Fluorspar End-Use Worksheet Notes

### Data Source

The source of data for the fluorspar end-use worksheet is the Minerals Yearbook, an annual collection, compilation, and analysis of mineral industry data, published by the U.S. Bureau of Mines and the U.S. Geological Survey.

### End Use

End use is defined as the use of the mineral commodity in a particular industrial sector or product. For fluorspar, end-use categories are hydrofluoric acid, metallurgical, open-hearth furnace, basic oxygen furnace, electric arc furnace, and other industrial uses. The undistributed category equals the disparity between apparent consumption and fluorspar used by consumers and distributors. It accounts for trade adjustments and changes in stocks.

Aluminum fluoride is included with the hydrofluoric acid category from 1975–87, with the other category from 1988–94, and again with hydrofluoric acid from 1995–2003. The other category includes enamel and pottery, glass and fiberglass, iron and steel foundries, primary aluminum and magnesium, and welding rod coatings. Starting with 2000, the metallurgical category emerged owing to a change in data collection methodology; this category contains data previously reported by furnace type.

Blank cells in the spreadsheet indicate that data were not available. Data are rounded to no more than three significant digits; data may not add to totals shown.

### References

U.S. Bureau of Mines, 1977–96, Minerals Yearbook, v. I, 1975–94.

U.S. Geological Survey, 1997–2005, Minerals Yearbook, v. I, 1995–2003.

### Recommended Citation Format:

(1) If taken from CD version:

U.S. Geological Survey, [year of last update, e.g., 2005], [Mineral commodity, e.g., Gold] statistics, *in* Kelly, T.D., and Matos, G.R., comps., Historical statistics for mineral and material commodities in the United States: U.S. Geological Survey Data Series 140, one CD-ROM. (Also available online at <http://pubs.usgs.gov/ds/2005/140/>.)

(2) If taken from online version:

U.S. Geological Survey, [year of last update, e.g., 2005], [Mineral commodity, e.g., Gold] statistics, *in* Kelly, T.D., and Matos, G.R., comps., Historical statistics for mineral and material commodities in the United States: U.S. Geological Survey Data Series 140, available online at <http://pubs.usgs.gov/ds/2005/140/>. (Accessed [date].)

**For more information, please contact:**

[USGS Fluorspar Commodity Specialist](#)