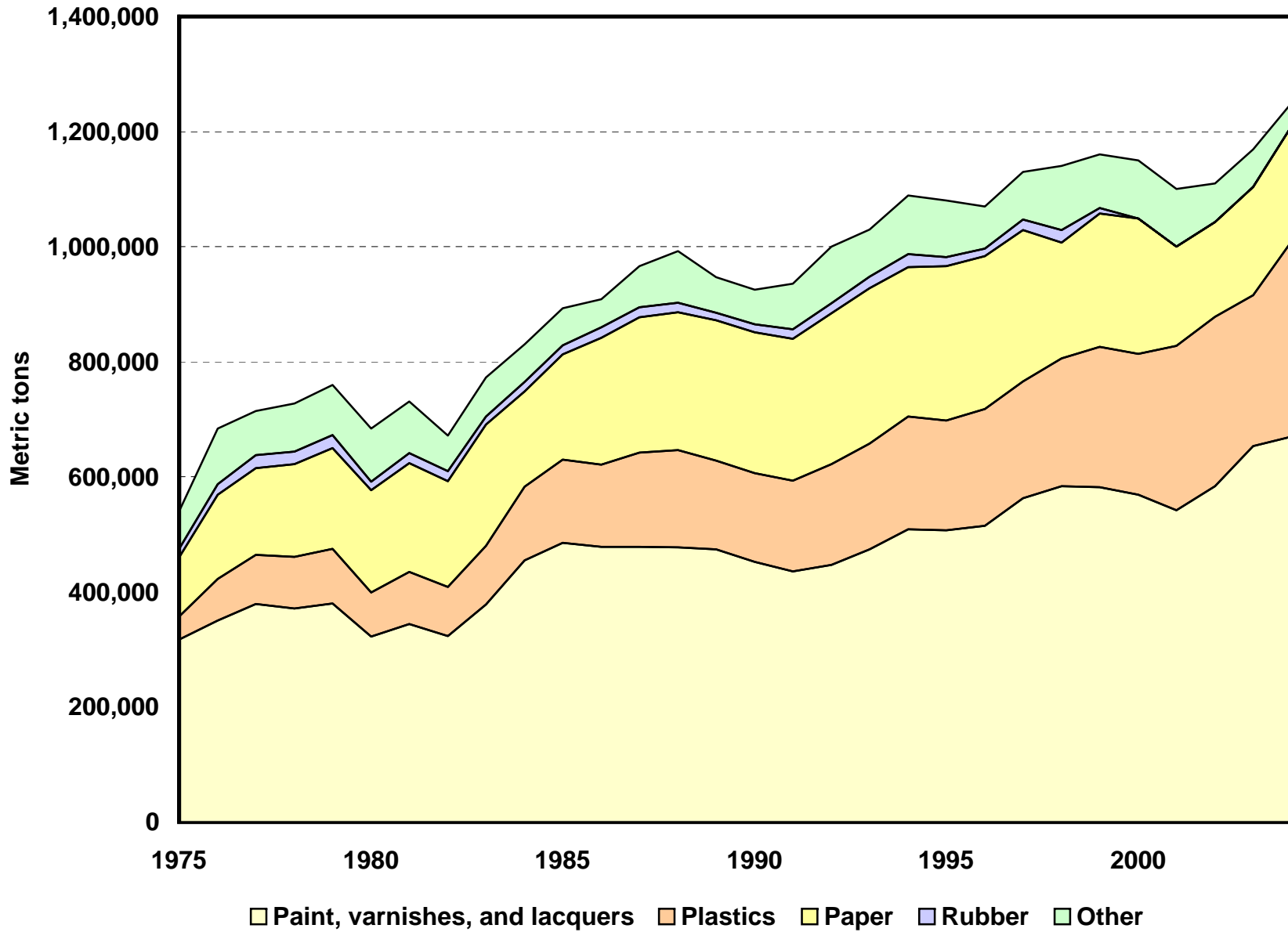


TITANIUM DIOXIDE END-USE STATISTICS¹
U.S. GEOLOGICAL SURVEY
[Metric tons of titanium dioxide content]
Last modification: January 24, 2006

Year	Paint, varnishes, and lacquers	Paper	Plastics	Rubber	Other	Apparent consumption
1975	317,000	103,000	40,000	15,100	65,300	540,000
1976	350,000	146,000	72,500	18,500	97,100	684,000
1977	379,000	151,000	85,400	22,600	76,700	715,000
1978	371,000	161,000	89,800	21,700	83,600	727,000
1979	380,000	175,000	94,500	23,200	87,300	760,000
1980	322,000	177,000	77,300	15,300	92,600	684,000
1981	344,000	189,000	90,600	17,500	89,900	731,000
1982	323,000	184,000	85,300	17,500	61,800	672,000
1983	378,000	211,000	102,000	13,900	68,100	773,000
1984	455,000	165,000	128,000	16,600	65,600	830,000
1985	485,000	183,000	145,000	15,200	65,200	893,000
1986	478,000	221,000	143,000	18,200	48,100	908,000
1987	478,000	235,000	164,000	17,400	71,500	966,000
1988	477,000	240,000	169,000	16,900	89,300	992,000
1989	474,000	244,000	154,000	13,300	61,600	947,000
1990	452,000	245,000	154,000	13,900	60,100	925,000
1991	436,000	247,000	157,000	16,800	78,600	935,000
1992	447,000	262,000	175,000	18,000	98,000	1,000,000
1993	474,000	270,000	184,000	19,600	82,400	1,030,000
1994	509,000	259,000	196,000	22,900	102,000	1,090,000
1995	507,000	268,000	191,000	16,200	98,300	1,080,000
1996	515,000	266,000	203,000	12,800	73,000	1,070,000
1997	563,000	263,000	203,000	18,100	82,500	1,130,000
1998	584,000	201,000	222,000	21,700	112,000	1,140,000
1999	582,000	232,000	244,000	9,280	92,800	1,160,000
2000	569,000	235,000	245,000		101,000	1,150,000
2001	542,000	172,000	286,000		100,000	1,100,000
2002	584,000	165,000	294,000		66,600	1,110,000
2003	653,000	188,000	263,000		65,500	1,170,000
2004	670,000	200,000	340,000		40,000	1,250,000

¹Compiled by D.A. Buckingham and J. Gambogi.

End Uses of Titanium Dioxide



Titanium Dioxide End-Use Worksheet Notes

Data Source

The source of data for the titanium dioxide end-use worksheet is the Minerals Yearbook (MYB), 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. End-use estimates are derived by applying the reported percentages of U.S. distribution of domestic titanium dioxide shipments by industry to apparent consumption as reported in the MYB.

For titanium dioxide, the end-use categories are paint, varnishes, and lacquers; paper; plastics; rubber; and other uses which include catalysts, ceramics, coated fabrics and textiles, floor coverings, printing ink, roofing granules, and shipments to distributors.

In the paper category, the datum for the year 1996 was withheld from publication in the MYB in order to avoid disclosing company proprietary data. The 1996 paper estimate was extrapolated using the data in the years 1995 and 1997. The estimated paper value was then subtracted from the other uses category.

In the rubber category, the data for years 2000 through 2004 are included with the plastics category.

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, 1997–2006, Minerals Yearbook, v. I, 1995–2004.

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].)

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