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Environmental Protection Technology Series

Water Pollution Potential of Manufactured Products

Catalog Section I - Summary



Office of Research and Monitoring
U.S. Environmental Protection Agency
Washington, D.C. 20460

RESEARCH REPORTING SERIES

Research reports of the Office of Research and Monitoring, Environmental Protection Agency, have been grouped into five series. These five broad categories were established to facilitate further development and application of environmental technology. Elimination of traditional grouping was consciously planned to foster technology transfer and a maximum interface in related fields. The five series are:

1. Environmental Health Effects Research
2. Environmental Protection Technology
3. Ecological Research
4. Environmental Monitoring
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This report has been assigned to the ENVIRONMENTAL PROTECTION TECHNOLOGY series. This series describes research performed to develop and demonstrate instrumentation, equipment and methodology to repair or prevent environmental degradation from point and non-point sources of pollution. This work provides the new or improved technology required for the control and treatment of pollution sources to meet environmental quality standards.

WATER POLLUTION POTENTIAL
OF
MANUFACTURED PRODUCTS
CATALOG SECTION I - SUMMARY

by

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III

SIC NUMBER	NAME	USUAL PRODUCT USES
1911	Guns, Howitzers, Mortars & Related Equipment Over 30 mm (or over 1.18 in)	--
19251	Complete Missiles, Excluding Propulsion	5.3
19252	Space Vehicle Systems, Excluding Propulsion	5.3
1929	Ammunition, Except for Small Arms, N.E.C. Total	--
1931	Tanks & Tank Components	5.3
1951	Small Arms, Total	9.4
1961	Small Arms Ammunition, 30 mm and Under, Total	9.4
1999	Ordnance & Accessories, N.E.C.	--
2011	Meatpacking Plant Products, Total	1.1
2013	Meat Processing Plant Products, Total	1.1
2015	Poultry Dressing Plant Products, Total	6.1
2021	Creamery Butter, Total	6.1
2022	Cheese, Natural & Processed, Total	6.1
2023	Condensed & Evaporated Milk, Total	6.1
2024	Ice Cream & Frozen Desserts, Total	6.1
2026	Fluid Milk & Related Products, Total	6.1
2031	Canned & Cured Seafoods, Total	6.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
3849.3*	50	192465.0	3	94	3	0								1911
						0								19251
														19252
			1	9	90									1929
														1931
			3	94	3									1951
			1	9	90									1961
														1999
29575.5*	0.3	8872.7	10	10	80									2011
10836.4*	0.3	3250.9	10	10	80									2013
7726.4*	0.3	2317.9												2015
1235.5	0.5	617.75												2021
3067.6*	1	3067.6												2022
7113.5*	1	7113.5												2023
796.0	0.1	79.6												2024
52827.2*	0.1	5282.7												2026
736.9*														2031

X - may be an effect due to some constituent

0 - no known effect

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SIC NUMBER	NAME	USUAL PRODUCT USES
2032	Canned Specialties, Total	6.1*
2033	Canned Fruits & Vegetables, Total	6.1
2034	Dehydrated Fruits, Vegetables & Soup Mixes, Total	6.1
2035	Pickled Fruits & Vegetables, Sauces & Salad Dressing, Total	6.1
2036	Fresh or Frozen Packaged Fish, Total	6.1
2037	Frozen Fruits & Vegetables, Total	6.1
2041	Flour & Other Grain Mill Products, Total	6.1
2042	Prepared Foods, Total	6.2
2043	Cereal Preparations, Total	6.1
2044	Milled Rice, Total	6.1
2045	Blended & Prepared Flour, Including Refrigerated Doughs, Total	6.1
2046	Wet Corn Milling Products, Total	6.1
2051	Bread, Cake and Related Products, Total	6.1
2052	Cookies & Crackers, Total	6.1
2061	Raw Cane Sugar & By-Products, Total	6.1
2062	Refined Cane Sugar & By-Products	6.1
2063	Beet Sugar, Total	6.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
3752.1	.3842	28893.7	10	20	70	X	X	X	X	X	X	X	X	2032
18667.2														2033
1442.2														2034
4110.4														2035
861.3														2036
31567.4														2037
91932.8														X 2041
75243.9														2042
2118.5														2043
6820.8														2044
														2045
11165.0														2046
17282.4*														X 2051
4048.5*														2052
														2061
5344.8														2062
9223.8														2063

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SIC NUMBER	NAME	USUAL PRODUCT USES
2071	Confectionary Products, Total	6.1
2072	Chocolate & Cocoa Products, Total	6.1
2073	Chewing Gum, Total	6.1
2082	Malt Liquors, Total	6.1
2083	Malt, Total	6.1
2084	Wine, Brandy & Brandy Spirits, Total	6.1
2085	Distilled, Rectified & Blended Liquors, Except Brandy, Total	6.1
2086	Soft Drinks & Carbonated Waters, Total	6.1
2087	Flavoring Extracts & Flavoring Syrups, N.E.C., Total	6.1
2091	Cottonseed Oil Mill Products, Total	6.1
2092	Soybean Oil Mill Products, Total	6.1
2093	Vegetable Oil Mill Products, N.E.C., Total	6.1
2094	Animal & Marine Fats & Oils, Total	6.1
2095	Roasted Coffee, Total	6.1
2096	Shortening & Cooking Oils, Total	6.1
2098	Macaroni & Spaghetti, Total	6.1
2099966	Whipped Topping, Non-Butterfat Base	6.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
4176.5														2071
1723.5						X		X	X	X			X	2072
							X	X	X	0				2073
214508.0*														2082
3803.3														2083
232765.0*														2084
526921.0*	5	2634605.0	9	1	90									2085
1759900.0*	0.5	879950.0	9	1	90	X	X	0	X	X		X	X	2086
3579.4	2	7158.8	3	2	95	X	X	X	X	X	X		X	2087
1109.1*	0.7	776.4												2091
6149.6*	0.7	4304.7												2092
1151.5*	0.7	806.1	30	50	20									2093
5455.1*	0.7	3881.6	30	50	20									2094
2149.3	0.3	644.79	40	40	20	X	X	X	0	X				2095
10052.3			10	20	70									2096
1245.4			5	0	95									2098
218.1														2099966

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SIC NUMBER	NAME	USUAL PRODUCT USES
2099993	Frosting Mixes, Consumer Sizes	6.1
2099994	Frosting Mixes, Commercial Sizes	6.1
2111	Cigarettes, Total	9.4
2121	Cigars, Total	9.4
2131	Chewing & Smoking Tobacco, Total	9.4
2211	Cotton Broadwoven Fabrics: Gray Goods, Finished Goods & Selected Fabricated Products, Total	1.1
2211800	Sheets & Pillowcases Made from Woven Fabric, Made in Weaving Mills	9.4
2211900	Towels & Washcloths Made from Woven Fabric, Made in Weaving Mills	9.1
221103	Diapers, Excluding Disposable	9.3
2221	Man-Made Fiber & Silk Broadwoven Fabrics: Gray Goods, Finished Goods & Blankets, Total	1.1
2231	Woven Wool Fabrics, Total	1.1
2241	Narrow Fabrics, Total	1.1
2251	Women's Hosiery, Except Socks, Total	9.3
2252	Hosiery, N.E.C., Total	9.3
2253	Knit Outerwear, Total	1.1
2254	Knit Underwear & Nightwear, Total	1.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
576100.0*	0.7	403270.0	10	20	70	X	X	X	X	X	X	X		2099993
7747.0*	0.6	4648.2	10	20	70	X		0	X	X				2099994
159.8	0.5	79.9				X	X	X	X	X				2111
														2121
														2131
														2211
	10													2211800
	10													2211900
	5													221103
	10													2221
	10					X		X						2231
	10													2241
	0.7	-												2251
	3													2252
														2253
														2254

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SIC NUMBER	NAME	USUAL PRODUCT USES
2256	Knit Fabrics, Total	1.1
2259	Knitting Mill Products, N.E.C., Total	1.1
2261	Finished Cotton Broadwoven Fabrics, Including Commission Receipts for Job Finishing, Total	1.1
2262	Finished Man-Made Fiber and Silk Broadwoven Fabrics, Including Receipts for Job Finishing, Total	1.1
2269	Finished Yarn, Raw Stock & Narrow Fabrics, Except Knit & Wool (Not Spun, Thrown, Woven, or Braided in Same Establishment)	1.1
2271	Woven Carpets & Rugs	9.4
2272	Tufted Carpets & Rugs	9.4
2279	Carpets & Rugs, N.E.C.	9.4
2281	Yarn, Except Wool, Total	1.1
2282	Textured Thrown & Rewound, Total	1.1
2283	Wool Yarn, Total	1.1
2284	Thread, Total	1.1
2291	Felt Goods, N.E.C.	1.1
2292	Lace Goods, Total	1.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
718.6						X		X	X	0	0			2256
														2259
						X		X	X	0	X			2261
						X	X	X	X	X				2262
														2269
35.8*	15	531	1	99	0									2271
458.6*	15	6879	1	99	0									2272
33.6*	15	504	1	99	0	X	X	X	X	X				2279
														2281
														2282
														2283
														2284
														2291
														2292

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SIC NUMBER	NAME	USUAL PRODUCT USES
2293	Padding and Upholstery Filling, Total	1.1
2293013	Automotive Pads Made From Cotton Linters, Cotton Waste, and Raw Cotton	1.1
2293015	Automotive Pads Made From All Other Fibers	1.1
2294	Processed Textile Waste, Total	1.1
2295	Coated Fabrics, Not Rubberized, Total	1.1
2296	Tire Cord and Fabric, Total	1.1
2298	Cordage and Twine, Total	1.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
18.2	15	109.2	2	98	0									2293
	6		2	98	0									2293013
	6		2	98	0									2293015
478.9	5	1197.3				X		X	X	X				2294
	2.5													2295
	2					X		X	X	0		X		2296
														2298

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SIC NUMBER	NAME	USUAL PRODUCT USES
22991	Nonwoven Textiles, Total	1.1
22992	Jute Goods; Except Jute Felts, Cordage or Twine and Linen Goods, Total	1.1
23112	Men's Overcoats & Topcoats	9.3
2311430	Boys' Coats, Overcoats, and Tailored Suburban and Car Coats, Including Uniform	9.3
2321	Men's & Boys' Shirts (except Workshirts) and Nightwear, Total	9.3
2322	Men's & Boys' Underwear	9.3
2327	Men's & Boys' Separate Trousers, Total	9.3
2328	Men's & Boys' Work Clothing, Total	9.3
2329	Men's & Boys' Clothing, N.E.C., Total	9.3
2331	Wmn's Blouses, Total	9.3
2335	Wmn's & Misses' Dresses, Total	9.3
2337	Wmn's & Misses' Suits and Coats, Total	9.3

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
4488.0*	1	3590.1	5	93	2									22991
	20													22992
	8													23112
	.5													2311430
548544.0	3	1645632	10	85	5									2321
66259.0*	2	132518	10	85	5									2322
463886.0	4	1855544	10	85	5									2327
299668.0	2	599336	10	85	5									2328
68112.0			10	85	5									2329
495396.0	2.5	1238490	10	85	5									2331
281724.0	3	845172	10	85	5									2335
2852380	5	142690	10	85	5									2337

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SIC NUMBER	NAME	USUAL PRODUCT USES
2339	Wmn's & Misses' Outerwear, N.E.C., Total	9.3
2341	Wmn's & Chldn's Underwear & Nightwear	9.3
2342	Corsets & Allied Garments, Total	9.3
2361	Chldn's Dresses & Blouses, Total	9.3
2363	Chldn's Coats & Suits, Total	9.3
2369	Chldn's Outerwear, N.E.C., Total	9.3
2381	Fabric Dress & Work Gloves, Total	9.3
2384	Robes & Dressing Gowns, Total	9.3
2385	Waterproof Outer Garments, Total	9.3
2391	Curtains & Draperies, Total	7.3
2392	Housefurnishing, Except Curtains & Draperies, Total	7.3
2392019	Shower Bath curtains, Including Plastic--Unsupported Film, Coated Fabrics and all Other	7.3

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
74772.0			10	85	5									2339
80259.0	2	160518	10	85	5									2341
346644.0	2	693288	10	85	5									2342
17475.0	2	34950	10	85	5									2361
2410.0	3	7230	10	85	5									2363
188292.0			10	85	5									2369
339732.0	0.5	169866	10	85	5									2381
			10	85	5									2384
10354.8														2385
88.4	7	618.8												2391
2732.9														2392
13.6*	1.5	20.4	1	98	1									2392019

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SIC NUMBER	NAME	USUAL PRODUCT USES
2392073	Wet Mops	7.3
2392075	Sponge Mops	7.3
2393	Textile Bags, Total	7.3
2394	Canvas Products, Total	1.1
2396	Automotive & Apparel Trimmings, Total	1.1
2399	Fabricated Textile Products, N.E.C., Total	1.1
239901	Auto. Seat Covers, Total	1.1
2399023	Diapers, Excluding Disposable	9.3
2399027	Disposable Diapers, Paper, Non-woven Fabrics, etc., except Diaper Liners	9.3
2399041	Flags, Banners, and Similar Emblems	9.4
239908	Parachutes	5.1
2411	Logging Products and Contract Logging, Total	1.1
2421	Sawmill and Planing Mill Products, Total	1.1
2426	Hardwood Dimension & Flooring, Total	1.1
2429	Special Product Sawmill Goods, N.E.C., Total	1.1
2431	Mill Work, Total	1.1
2432	Veneer & Plywood, Total	1.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
43.5*	1	43.5	10	85	5									2392073
11.7*	1	11.7	10	85	5									2392075
1013.2														2393
														2394
														2396
1403221.9														2399
2977.0*														239901
19.3*			10	85	5									2399023
94.9	0.2	19.0	75	25	0									2399027
														2399041
								X	X					239908
														2411
	50													2421
									X				X	2426
														2429
65624.0														2431
22593.9	35	895786.5	10	90	0									2432

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SIC NUMBER	NAME	USUAL PRODUCT USES
2433	Prefabricated Wood Structures, Total	1.2
2441	Nailed Wooden Boxes & Shook, Total	1.2
2442	Wirebound Boxes & Crates, Total	1.2
2443	Veneer & Plywood Containers, Total	1.2
2445	Cooperage, Total	1.2
2491	Wood Preserving, Total	1.2
2499	Wood Products, N.E.C., Total	1.2
24992	Pallets & Skids	1.2
2511	Wood Household Furniture, Total	7.3
251172	Wood Outdoor Furniture & Unpainted Wood Furniture, Total	7.3
2512	Upholstered Household Furniture, Total	7.3
2514	Metal Household Furniture, Total	7.3
25141	Metal Household Dining & Breakfast Furniture, Total	7.3
25142	Metal Kitchen Furniture, Total	7.3
25143	Metal Porch, Lawn, & Outdoor Furniture, Total	7.3
25144	Other Metal Household Furniture, Total	7.3
2515	Mattresses & Bedsprings, Total	7.3

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
3301.6	35	115556	10	90	0									2433
	2													2441
	2													2442
														2443
														2445
337.3			20	75	5	X		X	X	X	X			2491
5771.7														2499
														24992
53149.0	26	1380000				X	X	X	X	X				2511
	26													251172
18390.0	26	478000												2512
65189.0	26	1697000				0		X	X	0		X		2514
	26													24151
	26													25142
	26													25143
	26													25144
	20							X	X					2515

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SIC NUMBER	NAME	USUAL PRODUCT USES
2519	Household Furniture, N.E.C.	7.3
2521	Wood Office Furniture, Total	7.3
2522	Metal Office Furniture, Total	7.3
2531	Public Building Furniture, Total	7.3
2541	Wood Partitions & Fixtures, Total	7.3
2542	Metal Partitions & Fixtures, Total	7.3
2591	Venetian Blinds & Shades, Total	7.3
2599	Furniture & Fixtures N.E.C., Total	7.3
2621	Papermill Products , Except Building PPR, Total	1.2
2621100	News Print	1.2
2621200	Groundwood Paper, Uncoated	1.2
2621300	Coated Printing & Converting Paper	1.2
2621400	Book Paper, Uncoated	1.2
2621500	Bleached Bristols, Excluding Cotton Fiber Index & Bogus	1.2
2641	Coated & Glazed Paper	1.1
26411	Printing Paper Coated at Establishments Other than Where the Paper was Produced	1.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
41875.2	31					0		X	X					2519
5094.4	11					0		X	X	0		X		2521
1327.0														2522
6328.8														2531
4574.2	21	99500												2541
1971.4														2542
2444.6						X		X	X	0		X		2591
			10	85	5	X	X	X	X	X				2599
						X	X	X	X	X		X		2621
														2621100
														2621200
														2621300
														2621400
														2621500
						X	X	X	X	X		X		2641
														26411

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SIC NUMBER	NAME	USUAL PRODUCT USES
26412	Oiled, Waxed or Waxed Laminated Paper, Plain or Printed	1.2
26413	Gummed Products	1.1
26414	Pressure Sensitive Tape	1.1
2642	Envelopes	1.1
2643	Bags, Except Textile Bags	7.3
2644	Wallpaper	1.1
2645	Die-Cut Paper & Board, Total	1.1
2646	Pressed & Molded Pulp Goods	1.1
26461	Bituminous Fiber Pipe, Sewer & Drainage Conduit & Fitting, Molded Pulp or Paper-mache	1.2
2646231	Prepackaging Trays & Boards for Meats, Produce & Food Trays	7.2
2646251	Molded Pulp Plates & Dishes	7.2
2646298	Other Molded Pulp & Paper-mache Articles, Including Egg Cartons and Excluding Statuary and Art Goods	7.2
2647	Sanitary Paper Products	9.1
26471	Sanitary Napkins & Tampons	9.1
26472	Sanitary Tissue Health Products	9.1

ANNUAL PRODUC- TION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R) (L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER																							
81418.1* 4955.4 195.8 2776.2 264.4 *264.4	1	162836.2												26412																							
	1													26413																							
	1													26414																							
	2	587.4												2642																							
	3													2643																							
														2644																							
														2645																							
	50	13.220												2646																							
														26461																							
														2646231																							
14098.4														2646251																							
														2646298																							
	1	55	45	0	X	X	X	X	X				2647																								
	1	40	5	55									26471																								
														26472																							

X - may be an effect due to some constituent

0 - no known effect

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SIC NUMBER	NAME	USUAL PRODUCT USES
264724	Toilet Paper, Rolls	9.1
2649	Converted Paper & Paperboard Products, N.E.C.	9.1
26491	Stationery, Tablets & Related Products	9.4
26492	Wrapping Products (Gift Wrap, etc.)	9.4
2651	Folding Paperboard Boxes	1.1
2652	Setup Paperboard Boxes	1.1
2653	Corrugated & Solid Fiber Boxes	1.1
2654	Sanitary Food Containers	7.2
2655	Fiber Cans, Drums & Related Material, Total	1.1
2831	Biological Products	6.3
2833	Medicinal Chemicals & Botanical Products	6.3
2834	Pharmaceutical Preparations	6.3
28341	Preps. Affecting Neoplasm, Endocrine System and Metabolic Diseases, Human	6.3
2834127	Oral Contraceptive Preparations	6.3
28342	Preps Act on Central Nervous System	6.3
283425	Psychotherapeutic Agents	6.3

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
2138.0	1		98	2	0									264724
1545.6														2649
	2					X	X	X	X					26491
	2													26492
5458.2	1	5458.2	10	85	5									2651
537.8														2652
24005.8						X	X	X	X	X				2653
4468.2														2654
1583.4														2655
														2831
200.0*														2833
			25	10	65									2834
			25	10	65									28341
	2		25	10	65									2834127
			25	10	65									28342
			25	10	65									283425

X - may be an effect due to some constituent

0 - no known effect

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SIC NUMBER	NAME	USUAL PRODUCT USES
28343	Preps Acting on Cardiovascular System	6.3
28344	Preps Acting on Respiratory System	6.3
2834441	Cough & Cold Preparations	6.3
28345	Preps Acting on Digestive System or Genito-urinary Systems for Human Use	6.3
2834515	Antacids	6.3
28346	Pharm. Preps Acting on Skin for Human Use	6.3
2834611	Emollients & Protectives, Burn Ointments	6.3
2834613	Antiprurities & Local Anesthetics	6.3
2834615	Coal tar, Sulfur, Resorcinol Preps.	6.3
2834617	Anti-Acnetic Anti-Seborrheic Preps.	6.3
2834619	Other Skin Preps.	6.3
2834621	Hemorrhoidal Preps.	6.3
2834631	External Analgesics and Counter Irritants, Ointments, Jellies, Pastes Creams, Cerates and Salves	6.3
2834635	External Analgesics and Counter Irritants, Liquid Excluding Rubbing Alcohol, but Including Liniments	6.3
28347	Vitamin, Nutrient, Hematinics	6.3

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
	3		25	10	65									28343
			25	10	65									28344
	1.5		15	10	75									2834441
			15	10	75	X	X	X	X	X		X		28345
			15	10	75									2834515
	4		75	15	10	X	X	X	X	X	0	X		28346
			75	15	10	X	X	X	X	X				2834611
			75	15	10	X	X	X	X	X		X		2834613
			75	15	10									2834615
			75	15	10	X	X	X	X	X				2834617
			75	15	10									2834619
			75	15	10	X	X	X	X	X		X		2834621
			75	15	10	X	X	X	X	X		X		2834631
	2		75	15	10	X	X	X	X	X		X		2834635
														28347

X - may be an effect due to some constituent

0 - no known effect

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SIC NUMBER	NAME	USUAL PRODUCT USES
28348	Pharmaceutical Preps. Affecting Parasitic and Infective Diseases for Human Use	6.3
28349	Pharmaceutical Preps for Veterinary Use	6.3
2841	Soaps & Other Detergents, Except Specialty Cleaners	7.1
284111	Household Alkeline Detergents	7.1
284112	Non-Household	7.1
284117	Acid Type Cleaners	7.1
28412	Soaps, Except Specialty Cleaners, Non-Household	7.1
28413	Soaps, Except Specialty Cleaners, Household	7.1
28414	Glycerin	7.1
28415	Synthetic Organic Detergents, Household	7.1
284152	Dry, Solid	7.1
284153	Liquid, Excluding Shampoo	7.1
2841553	Scouring Cleansers With or Without Abrasives	7.1
28416	Synthetic Organic Detergents, Non-Household	7.1
284162	Dry, Solid	7.1
284163	Liquid	7.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
6757.7	2	6757.7	95	5	0	X	X	X	X	X	X	X		28348
	1		95	5	0	X	X	X	X	X	X	X		28349
247.0			95	5	0									2841
			95	5	0									284111
			95	5	0									284112
			95	5	0									284117
			95	5	0									28412
			95	5	0	X	X	X	X	X	X	X		28413
			95	5	0									28414
			95	5	0	X	X	X	X	X	X	X		28415
			95	5	0									284152
463.9			95	5	0									284153
			95	5	0	X	X	X	X	X	X			2841553
			95	5	0									28416
396.4			95	5	0									284162
			95	5	0									284163

X - may be an effect due to some constituent

0 - no known effect

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SIC NUMBER	NAME	USUAL PRODUCT USES
2841653	Scouring cleansers with no abrasives	7.1
2842	Specialty Cleaning Polishing & Sanit. Preps except Soaps etc.	7.1
28421	Insecticides	7.1
2842135	Repellent & Attractants (for insects, birds, and other animals)	7.1
2842171	Rodenticides	7.1
28423	Specialty Cleaning & Sanitation Products	7.1
2842311	Glass Window Cleaning Preps.	7.1
2842321	Oven Cleaners	7.1
2842331	Toilet Bowl Cleaner & Drain Pipe Solvents	7.1
2842332	Disinfectants for use other than Agricultural	7.1
2842341	Wallpaper, Window Shade & Wallcleaner	7.1
2842351	Rug & Upholstery cleaners, consumer	7.1
2842371	Household Ammonia	7.1
2842394	Fabric Softener	7.1
2842395	Laundry Starch Aerosol	7.1
2842396	Laundry Starch, Other Liquid	7.1
2842397	Laundry Starch, Dry	7.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
			95	5	0									2841653
			95	5	0									2842
	.5		45	45	10									28421
	2		45	45	10	X	X	X	X	X				2842135
			45	45	10									2842171
						X	X	X	X	X	X	X	X	28423
			25	50	25	X	X	X	X	X	X			2842311
	1		45	10	45	X	X	X	X	X		X		2842321
	1		98	2		X	X	X	X	X	X	X		2842331
	1		85	5	10	X	X	X	X	X	X	X		2842332
						X	X	X	X	X	X	X		2842341
						X	X	X	X	X	X	X		2842351
			95	5	0									2842371
			95	5	0	X	X	0	X					2842394
			95	5	0	X	X	X	X	X				2842395
						X	X	X	X	X	X	X		2842396
														2842397

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0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
2842398	Other Special Detergents - Waterless hand cleaner sweeping compounds	7.1
28424	Polishing Preps & Related Products	7.1
2842411	Auto Body Polish & Cleaners	7.1
284242	Floor Polish	7.1
284244	Shoe Polish & Cleaner	7.1
284246	Leatherdressing & Finishing	7.1
2842498	Related Products including Cloth & Paper Metal Polish, Polishing	7.1
2843	Surface Active Agents, Finishing Agents, Sulfonated Oils	7.1
2844	Perfumes, toilet water and colognes	9.2
28441	Shaving Preparations	9.1
28442	Perfumes, toilet water and colognes	9.2
28443	Hair Preps (including shampoos)	9.1
284431	Shampoos, including products with adds for tints, coloring, dandruff removal	9.1
2844321	Hair Tonics, include Hair and Scalp conditioners	9.2
284433	Permanent Cold Wave Solutions, Neutralizers and rinses	9.2
2844341	Hairdressings, brilliantines, pomades, creams	9.2
2844351	Hair coloring preps. (bleaches, dyes, rinses, tints, etc.)	9.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
3901.0*						X	X	X	X	X	X	X		2842398
						X		X	X	X		X		28424
	4		45	45	10	X	X	X	X	X		X		2842411
	3		45	45	10									284242
	2		45	45	10									284244
														284246
						X	X	X	X	X	X	X		2842498
														2843
			80	10	10									2844
	1		90	10	10									28441
	3		80	10	10									28442
														28443
	1		90	10	0									284431
			80	10	10	X	X	X	X	X		X		2844321
			00	10	10									284433
						X	X	X	X	X		X		2844341
	1		80	10	10	X	X	X	X	X		X	X	2844351

X - may be an effect due to some constituent

0 - no known effect

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SIC NUMBER	NAME	USUAL PRODUCT USES
2844363	Wave Set Preps: iqd. Hair Spray	9.2
2844365	Wave Setp Preps. Hair Rinses	9.2
2844398	Other Hair Preps., including heat setting - wave solutions	9.2
28444	Dentifrices including mouthwashes, gargles, rinses - Total	9.1
2844411	Tooth Paste, including aerosols	9.1
284441	Toothpowders	9.1
284471	Mouthwashes, rinses, breath sweeteners except antiseptics	9.1
2844498	Other oral hygiene products, including dental floss and adhesives - excluding tooth brushes & toothpicks	9.1
28445	Other cosmetics and toilet preps.	9.1
2844511	Cleansing creams	9.1
2844512	Foundation creams	9.2
2844513	Lubrication creams, including hormone cream	9.2
2844514	Other creams	9.2
2844515	Sun tan lotion (including oils)	9.2
2844516	Cleansing lotions	9.2
2844517	Cosmetic oils, including babyoil but excluding suntan oils	9.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
	1.5		80	10	10	X	X	X	X	X		X		2844363
			80	10	10									2844365
			80	10	10	X	X	X	X	X		X		2844398
			95	15	0	X	X	X	X	X		X	X	28444
			95	5	0	X	X	X	X	X				2844411
			95	5	0	X	X	X	X	X		X		2844431
			80	10	10	X	X	X	X	X				284471
						X	X	X	X	X		X		2844498
														28445
			80	10	10	X	X	X	X	X		X		2844511
			80	10	10			0	X	X				2844512
			80	10	10	X	X	X	X	X		X		2844513
			80	10	10	X	X	X	X	X		X		2844514
			80	10	10	X	X	X	X	X		X		2844515
			70	20	10			X	X	X				2844516
			80	10	10	X		X	X	X		X		2844517

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
2844518	Hand lotions	9.2
2844519	Other lotions and oils, excluding hair, after shave and bath	9.2
2844521	Lip preps.	9.2
2844523	Eye preps (mascara, eye shadow, eye liners, eye creams etc.	9.2
2844524	Deoderant (personal) liquid (aerosol)	9.1
2844525	Deoderant (personal) cream	9.1
2844531	Manicuring preparations: nail lacquers and enamels	9.2
2844533	Manicuring Preparations: Nail Lacquers and Enamel Remover	9.2
2844541	Talcum and toilet powder	9.2
2844543	Face powder	9.2
2844545	Liquid and Compact for Wet Application	9.2
2844548	Other Powder (foot powder, cream, sachet, paste)	9.2
2844561	Bath salts, tablets, oils and bubble bath	9.2
2844598	Other cosmetics and toiletries, including depilatories	9.2
2851	Paints, - Allied Products - Total	7.3
28511	Exterior oil - type trade sales prints pdts. - Total	7.3
2851111	Oil and Alkyd - Vehicle paints, in paste and semipaste form	7.3

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
4492.6* 788.0 60.8	2	8985.2	80	10	10	X		X	X	X				2844518
						X	X	X	X	X				2844519
						X	X	X	X	X		X		2844521
						X	X	X	X	X		X		2844523
			80	10	10	X	X	X	X	X		X		2844524
						X	X	X	X	X		X		2844525
			60	35	5	X	X	X	X	X		X		2844531
						X	X	X	X	X	X	X		2844533
						X	X	X	X	X		X		2844541
						X	X	X	X	X		X		2844543
						X	X	X	X	X		X		2844545
														2844548
			95	5	0	X	X	X	X	X	X	X		2844561
						X	X	X	X	X				2844598
			5	95	0									2851
														28511
														2851111

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SIC NUMBER	NAME	USUAL PRODUCT USES
285112	House, Porch, Deck etc. oil paints, enamels & varnishes - ready mixed form	7.3
8251128	Marine Paints and Enamels (shelf goods)	7.3
2851131	Metallic Paints (aluminum zinc bronze etc.)	7.3
2851132	Traffic Paints (all types, shelf goods and highway depts.)	4.1
2851133	Auto. and machinery refinish paints and enamels - except lacquers	7.3
2851134	Auto. and machinery refinish primers and under coaters	7.3
2851137	Stains (including shingle and shake)	7.3
2851139	Other exterior Oil paints including bituminous paints	7.3
28512	Exterior Water-type trade sales pt. products including bases - Total	7.3
28513	Interior Oil-type trade sales paint products	7.3
28514	Interior water type trade sales pt. products including tinting bases - Total	7.3
28515	Trade sales, Lacquers - Total	7.3
28516	Industrial Product finishes except lacquers	7.3
2851613	Industrial maintenance paints, exterior (specially formulated for special)	7.3
2851618	Marine Paints, ship bottom and other specially formulated paints (excluding shelf goods)	7.3
2851647	Machinery and Eqpt. finishes (roadbuild and farm)	7.3

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
411.2														285112
18.4						X		X	X	0				2851128
33.6						X			X	X				2851131
69.6														2851132
28.8														2851133
18.4														2851134
36.8						X		X	X	X				2851137
26.4						X		X	X	X				2851139
306.4														28512
598.4						X	X	X	X	X				28513
784.4														28514
72.0														28515
1953.6						X	X	X	X	X				28516
202.4						X	X	X	X	X				2851613
70.4			10	90	0									2851618
100.8														2851647

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
28517	Industrial Lacquers	7.3
28518	Putty, caulking compounds and allied products	7.3
2851863	Paint and Varnish removers	7.3
2851898	Other allied pt. products (including brush cleaners	7.3
28519	Miscellaneous Paint Products	7.3
2861	Gum and Wood Chemicals	1.2
28611	Softwood distillation products	1.2
28612	Other gum and wood chemicals	1.2
286125	Charcoal and charcoal briquettes	2.2
2861271	Natural dyestuffs extracts	1.2
2861281	Natural tanning materials	1.2
2861285	Chrome Tanning Mixtures	1.2
2871	Fertilizers	8.1
28711	Superphosphate and other phosphatic fert. mat.	8.1
28712	Mixed fertilizers	8.1
2872	Fertilizers, mixed only	8.1
2879	Agricultural N.E.C,	8.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
536.2	2	1538.8	70	25	5	X	X	X	X	X	X	X		28517
						X	X	X	X	X	X			28518
100.8						X	X	X	X	X	X			2851863
92.0						X	X	X	0	X		X		2851898
						X	X	X	X	X		X		28519
142,080,416.9			10	80	10	X	X	X	X	X		X		2861
														28611
														28612
769.4														286125
														2861271
														2861281
														2861285
6234.6*														2871
														28711
														28712
11428.2			10	80	10									2872
104.4*						X	X	X	X	X				2879

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
2879010	Arsenic Compounds	8.1
2879013	Arsenical Insecticides and Fungicides	8.1
2879015	Sulfur Containing Preps.	8.1
2879032	Benzene Hexachloride and/or Lindane Preps. No DDT	8.1
2879033	Preps. Containing DDT as Active Ing.	8.1
2879035	Preps. of DDT and Other Toxicants	8.1
2879039	Chlorinated Hydrocarbons Other than DDT or Benzene Hexachloride	8.1
2879043	Preps. Containing Parathion	8.1
2879045	Preps. Containing Methyl Parathion	8.1
2879047	Preps. Containing Other Organic Phosphates	8.1
2879049	Other Agricultural Insecticidal Preps.	8.1
2879061	Botanical Preps. and/or Concentrates	8.1
2879065	Seed Treatment Compounds	8.1
2879067	Copper Containing Dry Preps.	8.1
2879069	Other Fungicidal Preps.	8.1
2879071	Soil Fumigants	8.1
2879081	Sodium Arsenite	8.1

ANNUAL PRODUCTION RATE (MIL. lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
	0.583		20	80	0									2879010
	0.583		20	80	0									2879013
236.9	0.583	138.5	20	80	0									2879015
	14.5		20	80	0									2879032
159.7	10.5	1625	20	80	0									2879033
80.0	10.5	735.	20	80	0									2879035
2282	10.5	2100	20	80	0									2879039
37.3	0.75	27.99	20	80	0									2879043
49.3	0.75	36.77	20	80	0									2879045
152.4	6	914.	20	80	0									2879047
910.3	6	2670.	20	80	0									2879049
30.6	1.5	315.99												2789061
30.0	2	60.	10	90	0									2879065
23.7	5.5	130.1	10	90	0									2789067
81.1	1.5	122.0	10	90	0									2879069
60.1	0.583	35.19												2879071
11.6														2879081

X - may be an effect due to some constituent

0 - no known effect

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SIC NUMBER	NAME	USUAL PRODUCT USES
2879082	Sodium Chlorate	8.1
2879083	2; 4-D, (2; 4-Dichlorophenoxyacetic Acid)	8.1
2879084	2; 4; 5-(Trichlogophenoxyacetic Acid)	8.1
2879085	Defoliants	8.1
2879086	Desiccants	8.1
2879087	Plant Growth Regulators	8.1
2879088	Carbamates	8.1
2879089	Other Weed Killers	8.1
2891	Adhesives and Gelatins	4.2
28911	Glues Adhesive and Sizes	4.2
2891171	Synthetic Resin Adhesives	4.2
2891173	Rubber and Synthetic Resin Combinations	4.2
2891178	Asphalt Base Adhesives	4.2
2891179	Other Formulated and Prepared Adhesives	4.2
289119	Sizes	4.2
28912	Gelatin Except Ready-to-Eat Desserts	6.1
2892	Explosives	6.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
18.8														2879082
														2879083
														2879084
														2879085
														2879086
														2879087
														2879088
														2879089
3199.0			5	95	0									2891
						X	X	X	X	X	X	X		28911
612.9	1.5	919.9				X	X	X	X	X				2891171
						X	X	X	X	X				2891173
						X		X	X	X				2891178
67.4						X	X	X	X	X		X		2891179
512.3						X	X	X	X	X				289119
														28912
1582.3*						X		X	X			X		2892

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
2893	Printing Ink	1.1
2893015	Container and Label Inks (Letterpress)	1.1
289303	Lithographic and Offset Inks	1.1
289304	Gravure Inks	1.1
2893071	Textile Printing Inks	1.1
289308	Flexographic and Screen Printing Inks	1.1
2899	Chemicals and Chemical Preps. N.E.C.	1.1
2899111	Salt, Evaporated	1.1
28992	Fatty Acids	1.1
28993	Essential Oils, Fire Works, Pyrotechnics, etc.	1.1
289931	Essential Oils, Natural	1.1
2899329	Fire Works and Pyrotechnics	--
2899335	Antifreeze, Permanent	5.4
2899336	Antifreeze Preparations: Other	5.4
2899337	Other (Automotive) Chemicals	5.4
2899353	Household Tints and Dyes	7.3
289937	Ink and Water Treating Compounds	1.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
429.4	10	429.4	5	95	0	X	X	X	X	X		X		2893
36.8	10	368.	5	95	0									2893015
80.1	10	801.	5	95	0	X		X	X	X		X		289303
173.3	10	1733.	5	95	0			X	X					289304
26.7	10	267.	5	95	0									2893071
73.4	10	734.	5	95	0	X	X	X	X	X				289308
11,333.6	10	113,336.												2899
10,800.0	10	108,000.												2899111
														28992
						X	X	X	X	X	X			28993
														289931
														2899329
	2		90	10	0									2899335
			90	10	0	X	X	0	X	X				2899336
			90	10	0	X	X	X	X	X	X	X		2899337
			90	10	0									2899353
						X	X	X	X	X		X		289937

X - may be an effect due to some constituent

0 - no known effect

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SIC NUMBER	NAME	USUAL PRODUCT USES
2911	Petroleum Refining	5.4
29111	Gasoline	5.4
2911111	Aviation Gasoline Except Jet Fuel	5.4
2911131	Motor Gasoline	5.4
29112	Jet Fuel	5.4
29113	Kerosene	5.4
29114	Distillate Fuel Oil	5.4
29115	Residual Fuel Oil	5.4
29116	Liquefied Refinery Gases	5.4
29119	Asphalt, Total	5.4
2911031	Road Oil	5.4
29117	Lubricating Oils and Greases	5.4
2951	Paving Mixtures and Blocks	5.4
2952	Asphalt Felts and Coatings	5.4
29521	Asphalt and Tar Sat. Felts and Boards (Non-Build)	5.4
29522	Roofing Asphalts and Pitches, Coatings and Cements	5.4
3011	Tires and Inner Tubes	5.4

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
634,900.	0.125	79,300.	2	2	96	X	X	X	X	X		X		2911
16,000.			2	2	96	X	X	X	X	X		X		29111
615,000.			2	2	96									2911111
92,300.						X	X	X	X	X		X		2911131
36,000.														29112
293,000.			2	2	96									29113
93,100.														29114
46,700.			2	98										29115
21,850.	.915	oil	2	98										29116
	1.00	grease	20	75	5	X		X	X	X		X		29119
22.0														2911031
5,328.2*	20	103,564.												29117
	20													2951
928.0	4	3,712.0	10	70	20	X		X	X	X		X		2952
														29521
														29522
						X		X	X	X		X		3011

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3021	Rubber Foot Wear	9.3
3069	Fabricated Rubber Products N.E.C.	1.2
30691	Rubber and Plastics Belts and Belting	1.2
30692	Rubber Hose and Tubing	1.2
30693	Sponge and Foam Rubber Goods	1.2
30694	Rubber Floor and Wall Coverings	4.2
30695	Mechanical Rubber Goods	1.2
306958	Tankblocks, Treads, Band Tracks, Fuel Cells, Boats, Pontoon, etc.	5.3
30696	Rubber Heels and Soles	9.3
30697	Druggist and Medical Sundries	3.2
30698	Other Rubber Goods N.E.C.	1.2
3079	Miscellaneous Plastic Products	--
30792	Foamed Plastics Products	1.2
30793	Laminated Sheets, Rods and Tools	1.2
30794	Packaging and Shipping Containers, P	5.2
307943	Bottles and Drums (8 Fl. Oz. - 256 Flo)	5.2
307944	Bottles and Drums (72 Gals)	5.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
178.2	2.5	446.0												3021
5,495.7						X		X	X	X				3069
	11													30691
341.5	3	1,024.5												30692
	10													30693
	10.5													30694
	3													30695
	3													306958
	1.5		10	90	0									30696
	5.5													30697
	3					X	X	X	X	X	X			30698
	2.5		5	90	5	X	X	X	X	X				3079
	.666		5	90	5									30792
	11		5	90	5									30793
	1.167		5	90	5									30794
	1.416		5	90	5									307943
	.416	Bottles												
	.584	Drums	5	90	5									307944

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3079453	Disposable Caps and Tumblers	5.2
3079477	Blister and Bubble Formed Packaging	7.2
3079498	Other Plastics Packaging and Related Products	7.2
30795	Industrial Plastics Products	1.2
30796	Construction Plastics Products	4.2
307965	Plumbing Fixtures and Parts (Plastic)	4.1
307966	Insect Screening	4.2
3079698	Other Construction Plastics Products	4.2
30797	Plastics Dinnerware, Tableware, Kitchen Ware	7.2
3079811	Utility Containers	7.3
3079821	Flower Pots, Boxes and Planters	7.3
3079831	Footwear and Shoe Prods. Artics and Garters	9.3
3079841	Footwear and Shoe Prods.	9.3
3079851	Footwear and Shoe Prods. Other	9.3
3079861	Garden Hose	7.4
3079863	Other Hose	1.2
3079865	Tubing (1/2 in. Inside Diameter)	1.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
	.416		5	90	5									3079453
	.666		5	90	5									3079477
	2.5		5	90	5									3079498
			5	90	5									30795
	20.5		5	90	5									30796
	20.75		5	90	5	X	X	X	X	X		X		307965
	7.75		5	90	5									307966
	11.		5	90	5									3079698
	10.75		5	90	5									30797
	5.50		5	90	5									3079811
	0.75		5	90	5									3079821
			5	90	5									3079831
			5	90	5									3079841
			5	90	5									3079851
	10.75													3079861
	11.													3079863
	10.75													3079865

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3079871	Hardware	1.2
3079873	Picnic Jugs, Cooler Chests and Ice Buckets	7.2
3079875	Clothes Line	7.3
3079898	Other Consumer Commercial Plastics Products, N.E.C.	7.3
3111	Leather Tanning and Finishing	1.2
3111113	Finished Cattlehide, Chrome Retan	1.2
31111153	Offal, Chrome Retan	1.2
3121	Industrial Leather Belting and Packing	1.2
3141	Footwear, Except House Slippers and Rubber FTW	9.3
3142	Slippers	9.3
3151	Leather Gloves and Mittens	9.3
3161	Luggage	9.4
3171	Women's Handbags and Purses	9.4
3171011	All Leather and Chiefly Leather	9.4
3171051	Plastic or Chiefly Plastic	9.4
3171071	Other Materials Except Precious Metals	9.4
3172	Personal Leather Goods, Except Women's Handbags and Purses	9.4

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
	5.75													3079871
	4.													3079873
	6.75													3079875
	11.													3079898
22.0*						X	X	X	X	X		X		3111
15.3*														3111113
														31111153
512.4*														3121
						X	X	X	X	X				3141
3,027.0*														3142
35,806.0			5	95	0									3151
82.8			2	98	0									3161
														3171
														3171011
														3171051
														3171071
	3.5													3172

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3211	Flat Glass	4.2
3221	Glass Containers	5.3
3229	Pressed and Blown Glassware and Glass N.E.C.	--
32293	Textile Type Fiber	1.2
3231	Glass Products, Made of Purchased Glass	9.4
32315	Mirrors, Unframed	7.3
3231621	Stained, Leaded and Faceted Glass, Colored Glass Slabs	4.1
3241	Cement, Hydraulic	4.1
3251	Brick, and Structural Clay Tile	4.1
3253	Ceramic Wall and Floor Tile	4.1
3255	Clay Refractories	4.1
3259	Structural Clay Products N.E.C.	4.1
3261	Vitreous China Plumbing Fixtures and China and Earthenware Fitting	4.1
3262	Vitreous China Table and Kitchen Articles and Bathroom	7.2
3263	Fine Earthenware Table and Kitchen Articles (Whiteware)	7.2
3264	Porcelain Electrical Supplies	4.2
3269	Pottery Products N.E.C.	4.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
1,947.0	1	224.6	2	98	0									3211
224.6														3221
1,840.2														3229
304.9														32293
240.8						X		X	X	0				3231
	30	8,010.	1	99	0	X		X	X					32315
														3231621
144,381.6						X		X	X	0				3241
558,691.6														3251
267.0														3253
1,483,793.4			< 1	> 99	0									3255
3,331.4														3259
12,051.0*														3261
105.6														3262
254.8														3263
														3264
						X		X	X	X				3269

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3271	Concrete, Block and Brick	4.2
3272	Concrete Products, Except Block and Brick	4.2
3273	Ready-Mixed Concrete	4.2
3274	Lime	4.2
3275	Gypsum Products	4.2
3291	Abrasive Products	7.3
32914	Metal Abrasives Including Scouring Pads	7.3
3291453	Metal Pads with Soap or Other Cleanser Impropagated or in Package	7.3
3292	Asbestos Products	4.1
32922	Asbestos Friction Materials	4.1
32924	Asbestos-Cement, Shingles and Clapboard	4.1
32927	Asbestos Textiles and Other Asbestos and Asbestos-Cement Products	4.1
3293	Gaskets, Packing and Asbestos Insulation	4.2
3293211	Asbestos, Asbestos-Metallic Rubber Gaskets	4.1
3293311	Asbestos Compressed Sheets	4.2
3293313	Packing Asbestos, Asbestos-Metallic and Rubber	4.2
329333	Pipe Insulation	4.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
509892.4	0.1		2	98	0									3271
46362456.8														3272
162.4*														3273
6992.0			10	90	0	X		X	X	0				3274
18942.0														3275
			5	95	0									3291
			25	60	15									32914
6651.3*			35	45	20									3291453
						X		X	X	0				3292
														32922
1.9*			3	97	0									32924
			5	95	0									32927
														3293
														3293211
														3293311
8.3*														3293313
														329333

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
329334	Block Insulation	4.2
3296	Mineral Wool	4.2
3297	Non-Clay Refractories	4.2
3299	Non-Metallic Mineral Products N.E.C.	4.2
3312	Blast Furnaces, Steel Works, Rolling Mills	4.2
3293351	All Other Asbestos Insulation	4.2
3315	Steel Wire and Related Products	4.2
33151	Non-Insulated Ferrous Wire, Rope, Cable and Strand	4.2
3315111	Iron and Steel Wire Rope and Cable	4.2
3315121	Composition Strand Rope and Cable Include Wire Strands of Dif. Metals	4.2
3315133	Steel Wire Strand, Quadrail Cable (No Prestressed Concrete)	4.2
3315135	Wire Strand for Pre-Stressed Concrete	4.2
33152	Steel Nails and Spikes	4.2
3315211	Steel Wire Nails, Spikes, Brads, Bright	4.2
3315213	Steel Wire Nails, Spikes, Brads, Galvanizer	4.2
3315217	Steel Wire Nails, Spikes, Brads, Cement and Coated	4.2
3315219	Other Nails, Spikes, Etc.	4.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
23.7*														329334
														3296
														3297
														3299
														3312
														3293351
														3315
			10	80	10									33151
548.6			10	80	10									3315111
52.0														3315121
136.2														3315133
119.6														3315135
			10	80	10									33152
481.8	30.5	14,700.												3315211
121.8	30.5	3,719.												3315213
122.2	30.5	3,721.												3315217
28.0	30.5	855.												3315219

X - may be an effect due to some constituent

0 - no known effect

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SIC NUMBER	NAME	USUAL PRODUCT USES
33155	Steel Wire	4.2
33156	Fencing and Fence Gates	4.2
33157	Ferrous Wire Cloth and Other Woven Fences, Wire Products	4.2
3315711	Insect Screening, Include Stainless Steel	4.2
3315771	Woven Wire Netting (Poultry, for Farm, Etc.)	4.2
3315781	Stainless Steel Paper Machine Wire Cloth	4.2
33159	Other Fabricated Wire Products	4.2
3315941	Wire Chain, Tire	5.4
3315949	Wire Chain, Other	4.1
3315951	Barbed and Twisted Steel Wire	4.1
3315955	Wire Bale Ties	4.1
3315961	Concrete Reinforcing Mesh	4.1
3315965	Other Welded Steel Wire Fabric	4.1
3315171	Wire Garment Hangers	9.3
3315973	Wire Carts Including Household, Grocery, Etc.	7.3
3315975	Steel Wire Cages	4.1
3321	Grey Iron Foundries	4.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
145 >*	15	2,185.5	10	80	10									33155
			10	80	10									33156
			10	80	10									33157
			10	80	10									3315711
			10	80	10									3315771
														3315781
														33159
89.2			15	75	10									3315941
143.2														3315949
331.4														3315951
258.6														3315955
1,357.6														3315961
401.8														3315965
254.1	1	254.1	3	95	2									3315171
			3	95	2									3315973
			3	95	2									3315975
														3321

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

LEGEND = SEE OTHER PAGES

SIC NUMBER	NAME	USUAL PRODUCT USES
33212	Cast Iron Pressure Pipe and Fittings	4.1
33213	Cast Iron Soil Pipe and Fittings	4.2
3351	Rolling, Drawing and Extruding of Copper	4.1
3351216	Copper, Unalloyed Pipe and Tube Plumbing	4.1
3351218	Other Pipe and Tube	4.1
3351236	Copper-Base Alloys Pipe and Tube Plumbing	4.1
3351238	Other Pipe and Tube	4.1
3352	Rolling, Drawing and Extruding of Aluminum	4.2
33521	Aluminum and Aluminum-Base Alloy Wire and Cable	4.2
3352111	Bare Wire for Electrical Transmission	4.2
3352151	Bare Wire for Other Than Electrical Transmitting	4.2
3352162	Aluminum Cable, Steel Reinforced	4.2
3352169	Other Aluminum Cable, Bare	4.2
3352351	Plain Aluminum Foil	7.2
33526	Aluminum Tube	4.2
3356	Rolling and Drawing and Extruding of Other Non-Ferrous Metals	4.2
3356055	Lead and Lead Base Alloys, Pipe and Tubing and Traps and Bends	4.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER															
3588.8	50	18,350.0	3	94	3	X		X	X	0				33212															
1854.2														33213															
														3351															
367.0														3351216															
256.0														3351218															
119.0														3351236															
173.4	3351238																												
	30	11,568.0	5	90	5																		3352						
852.2																							33521						
257.4																							3352111						
55.6																							3352151						
385.6																							3352162						
154.4																							3352169						
456.2	0.5		1	99	0																		3352351						
																													33526
39.0	50		5	90	5																								
															3356055														

X - may be an effect due to some constituent

0 - no known effect

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SIC NUMBER	NAME	USUAL PRODUCT USES
3356063	Nickel and Nickel-Base Alloy, Pipe and Tubing	4.1
065	Nickel and Nickel-Base Alloys	4.1
069		
3357	Drawing and Insulating of Non-Ferrous Products	4.2
33572	Copper and Copper-Base Alloy Wire Base and Tinned for Elec. Transmission	4.2
33574	Communication Wire and Cable Tinned for Electrical Transmission	4.2
33575	Non-Ferrous Wire Cloth and Other Woven Non-Ferrous Products	4.2
33576	Appliance Wire and Cord and Flexible Cord Set Product in Establishments Which Insulate Wire and Cord	7.3
33577	Magnet Wire	4.1
33578	Power Wire and Cable	4.1
33579	Other Insulated Wire and Cable N.E.C.	4.1
3361	Aluminum Castings	--
3361071	Pressure Cookers, Household, Except Electrical	7.2
3361075	Cast Aluminum Cooking Utensils, Except Electrical	7.2
3411	Metal Cans	7.2
3421	Cutlery	7.2
34211	Cutlery, Scissors, Shears, Trimmers and Snips	7.2
34212	Razor Blades, and Razors, Except Electric	9.4

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
19.6 84.2	50		5	90	5									3356063 065 069
1,769.6	40		2	96	2									3357 33572 33574 33575 33576 33577 33578 33579
	10		2	80	18									3361 3361071 3361075
	10		5	95	0									
	10		5	95	0									
133,980.0	2		2	98	0	X		X	X	0				3411 3421 34211 34212
	.3		1	99	0									

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3423	Hand and Edge Tools, Except Machine Tools and Hand Saws	1.1
3425	Hand Saws and Saw Blades	1.1
3429	Hardware N.E.C.	5.0
3429111	Marine Hardware	5.0
3429131	Aircraft Hardware	5.0
3429153	Motor Vehicle Hardware	5.0
3429198	Other Transportation Equipment Hardware	5.0
34292	Furniture Hardware	7.3
34293	Vacuum and Insulating Bottles, Jugs and Chests	7.2
34294	Builders' Hardware	4.1
3429512	Casket and Casket Shell Hardware	3.2
3429522	Castors and Wheels for Dollies and Hand Tanks	1.1
3429532	Trunk and Luggage Hardware	9.4
3429552	Fireplace Fixture and Equipment	7.3
3429562	Hose Fittings and Couplings	--
3429565	Refrigerator Hardware and Stove Hardware	7.2
3429598	Other Hardware, Saddlery, Harness, etc.	2.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
330.4	15		5	90	5									3423
														3425
														3429
														3429111
														3429131
														3429153
														3429198
														34292
														34293
														34294
	100		0	100	0									3429512
														3429522
														3429532
														3429552
														3429562
														3429565
														3429598

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3431	Metal Plumbing Fixtures	4.1
3432	Plumbing Fixtures and Brass Goods	4.2
3433	Heating Equipment Except Electrical	4.1
3441	Fabricated Structural Steel	4.1
34411	Fabricated Structural Metal for Building	4.1
34412	Fabricated Structural Metal for Bridges	4.1
34413	Other Fabricated Structural Metal	4.1
3442	Metal Doors, Sash, Frames, Molding and Trim	4.1
3443	Fabricated Plate Work (Boiler Shops)	4.1
34431	Heat Exchangers and Steam Condensers	4.1
3443231	Fabricated Steel Plate-Stacks (Smoke, etc.)	4.1
3443251	Fabricated Steel Plate-Weldments	4.1
34433	Steel Power Boilers, Parts and Attachments	4.1
3443341	Marine Boilers	4.1
34434	Gas Cylinders	4.1
34435	Metal Tanks, Complete at Factory (Standard Line Pressure)	4.1
34437	Metal Tanks, Complete at Factory (Standard Line Non-Pressure)	4.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
9,606.0	30		2	93	5	X		X	X	0				3431
72.8	30		2	93	5	X		X	X					3432
51,292.0														3433
45,162.4														3441
														34411
														34412
														34413
														3442
														3443
41,127.7														34431
23,308.0	10		2	83	15									3443231
														3443251
														34433
	20		2	90	8									3443341
														34434
														34435
														34437

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3443721	Basement Oil Storage Tanks	4.1
3443725	Oil-Field Bolted	1.1
3443727	Farm Storage Tanks W/Without Supports	8.2
344374	Truck Tanks, Delivery of Fluids (Except Gas Tanks)	5.3
3443771	Septic Tanks, Metal	7.3
3443798	Other Non-Pressure Tanks	4.1
34438	Metal Tanks and Vessels Custom Fabricated at Factory	4.1
34439	Metal Tanks and Vessels Custom Fabricated and Field Erected	4.1
3444	Sheet Metal Work	4.1
34441	Sheet Metal Roofing and Siding and Roof Drainage Equipment	4.1
34442	Culverts, Flumes, Irrigation Pipes	4.1
3444311	Cornices, Skylights, Ceilings, Domes, Scapings and Gravel Steps	4.1
3444315	Rost Ventilators	4.1
34432	Bins and Vats	1.1
3444332	Stove Pipe and Furnace Smoke Pipe Elbows, Aluminum Ducts	4.2
3444334	Stove Pipe and Furnace Smoke Pipe Elbows, Steel Ducts	4.2
3444342	Restaurant, Hotel and Kitchen Sheet Metal, Aluminum Equipment	7.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
169.3*														3443721
2.4*														3443725
														3443727
														344374
76.5*	30		0	85	15									3443771
														3443798
														34438
														34439
1,818.0														3444
	20		2	90	8									34441
														34442
	20		5	90	5									3444311
														3444315
														344432
														3444332
														3444334
	15		1	95	4									3444342

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3444344	Restaurant, Hotel and Kitchen Sheet Metal, Steel Equipment	7.2
3444346	Metal Awning and Canopies, Car Ports and Patio Roofs, Assbld/Unassm. Al.	4.1
3444347	Metal Awning and Canopies, Car Ports and Patio Roofs, "/" St.	4.1
3446	Architectural and Ornamental Metal Work	4.1
344602	Fences and Gates Other Than Wire	4.1
344603	Stairs, Staircases, Fire Escapes and Railings	4.1
3449	Miscellaneous Metal Work	4.1
34492	Prefabricated and Portable Metal Buildings and Parts	4.1
3451	Screw Machine Parts	1.2
3452	Bolts, Nuts, Screws, Rivets and Washers	1.2
3461	Metal Stampings	1.2
34611	Vitreous-Enameled Products	1.2
346113	Household Cooking and Kitchen Utensils	7.2
3461123	Commercial and Hospital Utensils	7.2
3461141	Architectural Vitreous (porcelain) Parts	4.1
3461175	Laundry Equipment Parts, Sold Separately	7.1
34612	Job Stampings, Except Automotive	--

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
489.4	15		1	95	4									3444344
	10		5	90	5									344346
	10		5	90	5									344347
3,077.8	40		2	88	10									3446
	40		2	88	10									344602
														344603
51,553.2														3449
														34492
														3451
18,080.0														3452
						X	X	X	X					3461
						X		X	X	0				34611
														346113
														3461123
														3461141
														3461175
														34612

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3461313	Automotive Job Stampings	5.4
34614	Stamped and Spun Utensils, Cooking and Kitchen Aluminum	7.2
34615	Stamped and Spun Utensils, Except Aluminum	7.2
34616	Metal Commercial Closures and Metal Home Cleaning Closures	7.2
34617	Metal Crovuns	7.2
34618	Other Stamped and Pressed Metal End Products	--
346186	Pails, Ash Cans, Carbage Cans, Tubs, Etc., No Shipping Cost	7.1
3481	Miscellaneous Fabricated Wire Products	--
34811	SEE 33151	--
34814	SEE 33157	--
3481411	SEE 3315711	--
3481471	SEE 3315771	--
34815	SEE 33575	--
348151	SEE 335752	--
348155	SEE 335755	--
34816	SEE 33156	--
34819	SEE 33159	--

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
10922.6	10		2	93	5									3461313 34614 34615 34616 34617 34618 346186 3481 34811 34814 3481411 3481471 34815 348151 348155 34816 34819

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3481941	SEE 3315941	--
3481949	SEE 3315949	--
3481951	SEE 3315951	--
3481955	SEE 3315955	--
3481961	SEE 3315961	--
3481971	SEE 3315971	--
3481973	SEE 3315973	--
3481975	SEE 3315975	--
3491	Metal Shipping Barrels, Drums, Kegs, Pails	5.3
3492	Safes and Vaults	--
3493	Steel Springs	1.2
3494	Valves and Pipe Fitting, Except Plumbers Brass Goods	4.1
3496	Collapsible Tubes	1.1
3496011	Collapsible Tubes - Aluminum	1.1
3496012	Collapsible Tubes - Lead	1.1
3496013	Collapsible Tubes - Tin	1.1
3496009	Other, Including Tin Coated and Tin-Lead Alloy	1.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
33325.0														3481941 3481949 3481951 3481955 3481961 3481971 3481973 3481975
110038.2														3491 3492 3493 3494 3496
115.2														
6.6						X		X	X	X				3496011
2.2						X		X	X	X				3496012
.8								X	X	X				3496013 3496009

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3497	Metal Foil and Leaf	3.2
3497032	Household, Institutional and Freezer Foil	7.2
3498	Fabricated Pipe and Pipe Fittings	4.1
3499	Fabricated Metal Products, N.E.C.	4.1
3499056	Fabricated Assemblies of Railroad Frogs, Switches, and Crossings	5.4
3499058	Castmetal Memorial Tablets and Grave Markers	--
3511	Steam Engines, Steam, Gas, Hydraulic, Turbines and Turbine Generator Sets	1.1
3519	Internal Combustion Engines, N.E.C.	1.1
35195	Outboard Motors	5.3
3522	Farm Machinery and Equipment	8.2
35221	Wheel Tractors and Attachments	8.2
35222	Farm Dairy Machines, Blowers, Grnd Tractors, Scrapers, Duster, Elevators	8.2
35223	Planting, Seeding and Fertilizing Machinery	8.2
35224	Plows, Listers, Harrows, Rollers, Etc.	8.2
35225	Harvesting Machinery	8.2
35226	Haying Machinery	8.2
35227	Lawn Mowers and Lawn Mower Part Sand Snowblowers	8.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
359.1 133.2 62694.6 377.2 35325416.0	15 10		2	95	3									3497 3497032 3498 3499 3499056 3499058 3511 3519 35195 3522 35221 35222 35223 35224 35225 35226 35227
			2	95	3									

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
35228	All Other Farm Machinery and Equipment	8.2
35229	Parts for Farm Machinery, Sold Separately	8.2
3531	Construction Machinery and Equipment	4.2
3532	Mining Machinery and Equipment (Except Oilfield)	4.2
3533	Oilfield Machinery and Equipment	4.2
3534	Elevators and Moving Stairs	4.2
3535	Conveyors and Conveying Equipment	4.2
3536	Hoists, Industrial Cranes and Monorail Systems	4.2
3537	Industrial Trucks, Tractors, Trailers, Stackers	4.2
3541	Machine Tools, Metal Cutting Types	4.2
3542	Machine Tools, Metal Farming	4.2
3544	Special Dies and Tools, Die Sets, Jigs, Fixtures	4.2
3545	Machine Tool Accessories and Measuring Devices	4.2
3548	Metal Working Machinery, Except Machine Tools and Power Driven Hand Tools	1.2
3551	Food Products Machinery	7.2
3552	Textile Machinery	1.2
3553	Wood Working Machinery	1.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
175152.0 67051.6	6.5 .5	436000												35228 35229 3531 3532 3533 3534 3535 3536 3537 3541 3542 3544 3545 3548 3551 3552 3553

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3554	Paper Industry Machinery, N.E.C.	1.1
3555	Printing Trades Machinery and Equipment	1.2
3559	Special Industry Machinery, N.E.C.	--
3561	Pumps, Air and Gas Compressors and Pumping Equipment	--
3564	Blowers and Exhaust and Ventilation Fans	--
3565	Industrial Patterns	1.2
3566	Mechanical Power Transmission Equipment	--
3567	Industrial Process Furnaces and Ovens	1.2
3569	General Industrial Machinery and Equipment, N.E.C.	1.2
3572	Typewriters	3.2
3573	Electronic Computing Equipment	3.2
3574	Calculating and Accounting Machinery Except Electron Computing Equipment	3.2
3576	Scales and Balances, Except Laboratory	3.2
3579	Office Machines, N.E.C. .	3.2
3581	Automatic Merchandising Machines	3.2
3582	Commercial Laundry, Dry Cleaning and Pressing Machines	3.1
3585	Air Conditioning Eqpt. and Commercial and Industrial Refrig. Mach. Eqpt.	1.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
9896.5	7													3554
	10													3555
	10													3559
														3561
														3564
														3565
														3566
														3567
														3569
	7													3572
														3573
														3574
														3576
														3579
1271788.0														3581
283.2														3582
72828492.0	16	1168000000												3585

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3586	Measuring and Dispensing Pumps	--
3589	Service Industry Machines, N.E.C.	--
35891	Commercial Cooking and Food Warming Equipment	7.2
35892	Service Industry Machines and Parts	--
3589235	Floor Waxing and Polishing Machines, Industrial and Commercial	7.1
3589242	Floor Sanding and Scrubbing Equipment, Commercial	7.1
3589271	Dishwashing Machines, Commercial	7.1
3589281	Sewage Purification Equipment	7.1
35893	Commercial and Industrial Vacuum Cleaner, Parts and Attachments	7.1
3599	Miscellaneous Machinery, Except Electrical	--
3599231	Carnival and Amusement Park Equipment. No. Coil	2.1
3623	Welding Apparatus	4.1
3531	Household Cooking Equipment	7.2
3632	Household Refrigerators and Freezers	7.2
3633	Household Laundry Equipment	7.1
363313	Washing Machines, Mechanical	7.1
363315	Dryers, Mechanical	7.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
2503.9														3586
662.4														3589
														35891
79.6*														35892
														3589235
														3589242
1.6*	10		1	98	1									3589271
														3589281
														35893
894.8														3599
														3599231
	20													3623
	20													3531
7272.7									X					3632
	10								X					3633
														363313
2676.8*	15	40152.0	1	98	1									363315

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
363318	Washer-Dryer Combinations	7.1
3634	Electric Housewares and Fans	7.1
363431	Broilers and Automatic Coffee Makers	7.2
3634349	Other Electric Cooking and Heating Appliances	7.2
3634350	Steam and Spray Irons	7.1
3634361	Other Than Steam, Automatic Irons	7.1
3634365	Travel Irons	7.1
3634369	Other Electric Irons	7.1
3634371	Food Mixers, Portable	7.2
3634375	Food Mixers, Stand	7.2
3634376	Blenders	7.2
3634377	Ice Crushers	7.2
3634378	Other Household Food Preparation Equipment	7.2
3634396	Humidifiers	7.3
3635	Household Vacuums	7.1
3636	Sewing Machines	7.1
3639	Household Appliances, N.E.C.	7.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
68.4*														363318
10073.0*														3634
7596.0*														363431
1567.0*														3634349
419*														3634350
3845.0*														3634361
771.0*														3634365
3610.0*														3634369
405.0*														3634371
199.0*														3634375
														3634376
														3634377
														3634378
														3634396
9016.2														3635
														3636
														3639

X - may be an effect due to some constituent
 0 - no known effect
 blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
36391	Household Water Heaters, Electric	7.3
36392	Household Water Heaters, Except Electric	7.3
363931	Dish Washing Machines	7.1
3639331	Floor Waxing and Polishing Machines	7.3
3639371	Food Waste Disposers	7.1
3641	Electric Lamps	--
364101	Large Incandescent, Except Christmas Photat	--
3641015	Infrared Lamps	3.2
3641016	Traffic and Street Lighting	--
364102	Photographic Incandescent	3.2
364103	Miniature Incandescent	--
3641041	Germicidal, Steril, Bacterial, Ozene	3.2
3641042	Sun Lamps	9.1
3641043 }	Florescent, Hot Cathode	--
3641046 }		
3641049 }		
364105	Miscellaneous Electrical Discharge	--

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
	10													36391
1581.9*	10	15819.0	1	98	1									36392
1410.3*	10	14103												363931
1498.5*														3639331
														3639371
						X		X	X	0				3641
1390.6														364101
4.3														3641015
12.9														3641016
1053.5*														364102
830.0														364103
0.8														3641041
0.8	4	3.2												3641042
														3641043
224.1														3641046
														3641049
89.3														364105

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3641053	Sodium, Photochemical and Other Miscellaneous Discharge	--
3642	Lighting Fixtures	--
36424	Vehicular Lighting Equipment, Electrical	5.4
36425	Outdoor Lighting Equipment	7.3
3643	Current-Carrying Wiring Devices	4.2
3643091	Lightening Rods	7.3
3643092	Overhead Trolley Line Material	5.4
3651	Radio and TV Receiving Sets	2.2
36514	Phonographs, Record Player Attachments, Radio and TV-Chasis, Recorders, Tuners, Etc.	2.2
3652	Phonograph Records	2.2
3661	Telephone and Telegraph Apparatus	2.2
3662	Radio and TV Transmitting, Signaling and Gear Detection	2.2
3671	Radio and TV Receiving Type Electron Tubes, Except Cathode Ray	2.2
3672	Cathode Ray Picture Tubes	2.2
3673	Transmitting, Industrial and Special Purpose Electron Tubes	3.2
3691	Storage Batteries	--

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
	0.1													3641053
														3642
														36424
														36425
														3743
														3643091
														3643092
						X		X	X					3651
														36514
	40					X		X	X	X				3652
														3661
														3662
														3671
														3672
														3673
														3691

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3692	Primary Batteries, Dry and Wet	--
3693	X-Ray Apparatus and Tubes	3.2
3694	Electrical Equipment for Internal Engines Combustion	--
3699	Electrical Machinery Equipment and Supplies, N.E.C.	--
36996	SEE 33576	--
3711	Motor Vehicles	5.2
3712	Passenger Car Bodies	5.1
3713	Truck and Bus Bodies	5.3
3714	Motor Vehicle Parts and Accessories	--
3715	Truck Trailers	5.3
3721	Aircraft	5.2
3722	Aircraft Engines and Parts	5.2
3729	Aircraft Parts and Auxilliary Equipment, N.E.C.	5.2
3731	Ship Building and Repairing	5.3
3732	Boat Building and Repairing	5.3
3741	Locomotives and Parts	5.4
3742	Railroad and Street Cars	5.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
10403.2	5		1	94	5	X	X	X	X	0				3692
														3693
														3694
														3699
														36996
														3711
268.8	5		1	94	5									3712
370.1														3713
163.0						X			X					3714
														3715
														3721
														3722
														3729
2131.0	25	532000												3731
325486.0	25	8150000												3732
														3741
63090.0														3742

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3751	Motorcycles, Bicycles and Parts	5.1
3791	Trailer Coaches	5.2
3799	Transportation Equipment, N.E.C.	5.2
3811	Engineering, Laboratory, & Scientific Research Instruments, Etc.	3.2
3821	Mechanical Measuring and Controlling Equipment	3.2
3822	Automatic Temperature Controls	3.2
3831	Optical Instruments and Lenses	3.2
3841	Surgical and Medical Instruments	--
3841066	Hypodermic Syringes, Disposable Prefilling	3.1
3841068	Hypodermic Syringes, Disposable, Other	3.1
3841075	Hypodermic Needles, Disposable	3.1
3842	Surgical Appliances and Supplies	--
3842115	Sterilizers, Excluding Dental	3.1
3842122	Surgical Dressings, Elastic Bandages	3.1
3842123	Other Bandages	3.1
3842124	Adhesive Plaster	3.1
3842126	Gauze	3.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
4954.6	10		1	94	5									3751
375.4														3791
564.2														3799
														3811
40194.2														3821
														3822
1965.2														3831
														3841
														3841066
														3841068
529.3														3841075
								X						3842
														3842115
														3842122
														3842123
														3842124
														3842126

X - may be an effect due to some constituent

0 - no known effect

blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3842127	Cotton, Including Cotton Balls	3.2
3842129	Other Surgical Dressings	3.2
3842134	Sterile Surgical Sutures	3.2
3842161	Corn Remover Pads, Bunion Pads, Etc.	3.2
3843	Dental Equipment and Supplies	3.1
3843098	Other Dental Products, Including Sterilizers	3.1
3857	Ophthalmic Goods	3.2
3861	Photographic Equipment and Supplies	3.2
38615	Photographic Sensitized Films and Plates	3.2
38616	Sensitized Photo Paper and Cloth, Silver Halide Type	3.2
38617	Sensitized Photo Paper and Cloth, Other	3.2
3861811	Prepared Photochemicals (Developers, Fixers, Toners, and Other Chemicals Specifically Prepared and Packaged for Use in Photography)	3.1
3871	Watches and Clocks	—
3911	Jewelry, Precious Metal	9.3
3912	Jewelers Findings and Materials	9.3
3914	Silverware and Plated Ware	9.3

ANNUAL PRODUCTION RATE (MIL. lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
25.3						X	X	X	X	X		X		3842127
						X		X	0					3842129
														3842134
														3842161
														3843
														3843098
														3857
24024.1														3861
	1		2	96	2									38615
	1		2	96	2	X	X	0	X	0				38616
	1		2	96	2									38617
	.5		90	2	8	X	X	X	X	X	X	X	X	3861811
						X								3871
						X			X					3911
														3912
411012.0														3914

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blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
3931	Musical Instruments and Parts	9.3
3941	Games and Toys	2.2
3942	Dolls	2.2
3942053	Stuffed Toy Animals	2.2
3943	Childrens Vehicles, Except Bicycles	2.2
3949	Sporting and Athletic Goods, N.E.C.	--
3949114	Fishing Rods, All Types	2.2
3949115	Fishing Reels	2.2
3949116	Fishing Hooks	2.1
3949119	Other Fishing Tackle	2.1
39492	Golf Equipment	2.1
3949361	Playground Equipment	2.1
3949371	Snow Skiis	2.1
3949373	Winter Sports Equipment	2.1
3949375	Water Skiis	2.1
3949377	Underwater Sports Equipment	2.1
3951	Pens and Mechanical Pencils	9.4

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
93.6	1		90	5	5	X	X	X	X	X	X		X	3931
29.0*														3941
														3942
						X	X	X						3942053
184472.0														3943
9741.0*														3949
7209.0*														3949114
														3949115
														3949116
														3949119
	6					X	X	X	X	X		X		39492
														3949361
														3949371
														3949373
														3949375
														3949377
														3951

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blank - no data available

SIC NUMBER	NAME	USUAL PRODUCT USES
395100	Fountain Pens	9.4
395101	Ball Point Pens	9.4
395102	Soft Tip Pens	9.4
3952	Lead Pencils and Art Goods	3.2
3953	Marking Devices	9.4
3955	Carbon Paper and Inked Ribbons	9.4
395501	Inked Ribbons	9.4
395503	Coated Carbon Paper (In Roll and Sheet)	9.4
3955061	Stencil Paper Spirit and Gelatin Process Master Copies, Include Master Sets	9.4
3955098	All Other Including Mimeograph	9.4
3961	Costume Jewelry	9.3
3962	Feathers, Plumes, and Artificial Flowers	9.3
3963	Buttons	9.3
3964	Needles, Pins and Fasteners	9.3
3991	Brooms and Brushes	7.3
39911	Brooms	7.3

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
27.0*														395100
907.3*	2	1587.8												395101
	2													395102
2433.6	1		1	99	0	X	X	X	X	X	X	X		3952
	.5		1	99	0									3953
	.5		1	99	0									3955
														395501
						X	X	X	X	X				395503
														3955061
														3955098
						X		X	X					3961
														3962
12153.6														3963
12291.6														3964
348207.2														3991
						X	X	X	X	X				39911

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0 - no known effect

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SIC NUMBER	NAME	USUAL PRODUCT USES
39912	Paint and Varnish Brushes	7.3
39913	Other Brushes	7.3
3993	Signs and Advertising Displays	3.2
3994	Morticians Goods	3.2
3994111	Metal Caskets and Coffins, Lined and Trimmed	3.2
39942	Wood Caskets and Coffins, Lined and Trimmed	3.2
3994311	Other Caskets and Coffins, Lined and Trimmed	3.2
3994391	Metal Burial Vaults	3.2
3994398	Other Mortician Supplies	3.2
3996	Hard-Surface Floor Coverings	4.2
399626	Plastic Floor, Wall and Counter Covering	4.2
3999	Manufactured Products, N.E.C.	--
3999111	Soda-Acid Hand Portable Fire Extinguishers Meeting the Specifications of Underwriters Laboratories and Factory Mutual Laboratories	3.1
3999113	Carbon-Dioxide as Above	3.1
3999115	Vaporizing Liquid (Carbon Tetrachloride Base) as Above	3.1
3999117	Dry Chemical as Above	3.1

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
														39912
														39913
						X	X	X	X	X				3993
														3994
														3994111
														39942
														3994311
														3994391
														3994398
	1		50	50	0									3996
	15													399626
	20													3999
33633.6						X		X	X	X				3999
208.5*	5	208.5	5	90	5	X		0	X	0				3999111
1166.0*						X		0	X	0				3999113
	5		5	90	5	X	X	X	X	X				3999115
2996.4*	5		5	90	5	X		X	X	X	X			3999117

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SIC NUMBER	NAME	USUAL PRODUCT USES
3999118	Pressurized Water as Above	3.1
3999119	Other Extinguishers Include Foam as Above	3.1
3999129	All Other Portable Extinguishers	3.1
39993	Matches	9.4
3999411	Candles, Including Tapers	7.3
39997	Umbrellas, Carosels, Canes	9.4
399942	Tobacco Pipes	9.4
3999998	Miscellaneous Fabricated Products	--
39992	Coin Operated Amusement Machines	2.2

ANNUAL PRODUCTION RATE (MIL lbs) (R)	PRODUCT LIFETIME (YRS) (L)	$Q_1 = (R)(L)$	$k_1 L$	$k_{12} L$	$\alpha_1 L$	TOXICITY	OXYGEN DEMAND	SOLIDS	COLOR	ODOR	EUTROPHICATION	OILS AND TARS	HARDNESS	SIC NUMBER
483.0*	5		5	90	5	X		0	X					3999118
521.7*	5		5	90	5	X	X	X	X	X				3999119
														3999129
						X	X	X	X	X	X			39993
						X	X	X	X	X	X			3999411
														39997
9872.1*														399942
														3999998
														39992

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