



**2.4-Dichlorophenoxyacetic acid (2,4-D) and related compounds**

- Allied Chemical & Dye Corp. General Chemical Division - 40 Rector St., New York, NY. Additional locations are listed, none of which exist within the state of NJ.
- American Chemical Paint Co. - Ambler, PA
- I.T. Baker Chemical Co. - N. Broad Street, Phillipsburg, NJ
- California Spray Chemical Co. - Lucas and Ortho Way, Richmond, CA
- Dow Chemical Co. - Midland, MI. Additional locations are listed, none of which exist within the state of NJ.
- E.I. Dupont de Nemours & Co. - NJ locations include; Carneys Point, Perth Amboy, Newark, Gibbstown, Arlington, Deepwater, Grasselli and Parin. Additional out-of-state locations are listed.
- Kolker Chemical Works, Inc. - 80 Lister Avenue, Newark 5, NJ
- Monsanto Chemical Co. - 1700 S. Second Street, St. Louis 4, MO. Additional locations are listed, none of which exist within the state of NJ.
- Montrose Chemical Co. - 120 Lister Avenue, Newark 5, NJ
- Pittsburgh Coke and Chemical Co. - Grant Bldg., Pittsburgh 19 (Neville Island), PA
- Pittsburgh Plate & Glass Co. - Newark, NJ. Additional out-of-state locations are listed.
- Rohm & Haas Co. - 222 W. Washington Sq., Philadelphia 5, PA
- Thompson Horticultural Chemical Corp. - 3600 Monon St., Los Angeles 27, CA
- U.S. Rubber Co., Naugatuck Chemical Division - 1230 Avenue of the Americas, New York 20, NY

**2.4.5-Trichlorophenoxyacetic acid (TCP) and related compounds**

- Dow Chemical Co. - Midland, MI. Additional locations are listed, none of which exist within the state of NJ.
- E.I. Dupont de Nemours & Co. - NJ locations include; Carneys Point, Perth Amboy, Newark, Gibbstown, Arlington, Deepwater, Grasselli and Parin. Additional out-of-state locations are listed.
- Hooker Electrochemical Co. - Buffalo Avenue & 47th St., Niagara Falls, NY
- Kolker Chemical Works, Inc. - 80 Lister Avenue, Newark 5, NJ
- Monsanto Chemical Co. - 1700 S. Second Street, St. Louis 4, MO. Additional locations are listed, none of which exist within the state of NJ.
- Pittsburgh Coke and Chemical Co. - Grant Bldg., Pittsburgh 19 (Neville Island), PA
- Thompson Horticultural Chemical Corp. - 3600 Monon St., Los Angeles 27, CA

**2.4.5-Trichlorophenol and related compounds**

- Dow Chemical Co. - Midland, MI. Additional locations are listed, none of which exist within the state of NJ.
- Hooker Electrochemical Co. - Buffalo Avenue & 47th St., Niagara Falls, NY
- Monsanto Chemical Co. - 1700 S. Second Street, St. Louis 4, MO. Additional locations are listed, none of which exist within the state of NJ.

\* UNDERLINED MANUFACTURERS REPORTED FACILITIES WITHIN THE STATE OF NEW JERSEY

TABLE 230.—Synthetic organic chemicals: Miscellaneous chemicals for which United States production or sales were reported, identified by manufacturer, 1950—Continued

Chemical	Manufacturers' identification numbers (according to list in table 26)
<b>MISCELLANEOUS CHEMICALS, CYCLIC—Continued</b>	
p-Resorcinol	306.
2-Mercapto-4,4,6-trimethyl-3,4-dihydroquinoline	193.
Phthaloylcholine	579.
Phthaloylcholine	273.
Phthaloylcholine	328.
2-Methyl-5-thioxoethyl-4-oxopyridin-3-one	538.
4-Methyl-7-hydroxyquinoline	135.
4-Methyl-7-(p-hydroxyethyl)thiazole	530.
Methyl tertiary ether	230.
Morpholine	516.
<b>Naphthalene acid salts:</b>	
Aluminum naphthalene	364.
Calcium naphthalene	536.
Calcium naphthalene	259, 263, 267, 299, 363, 364, 425, 536, 560.
Cobalt naphthalene	259, 263, 267, 299, 363, 364, 425, 467, 536, 560.
Copper naphthalene	259, 263, 267, 299, 363, 364, 425, 467, 536, 560.
Iron naphthalene	259, 267, 363, 536.
Lead naphthalene	197, 259, 263, 267, 299, 363, 364, 425, 434, 467, 536, 560.
Lead monoglycerate naphthalene	364.
Lithium naphthalene	536.
Magnesium naphthalene	364.
Magnesium naphthalene	259, 263, 267, 299, 363, 364, 425, 467, 536, 560.
Mercury naphthalene	259.
Nickel naphthalene	259, 536.
Strontium naphthalene	536.
Szinc naphthalene	259, 263, 267, 299, 363, 364, 425, 434, 467, 536, 560.
All other	467.
o-Naphthylthiourea (ANTS)	277, 464.
Octylphenyl phosphoric acid	153.
Pentachlorophenol	153, 530.
Pentachlorophenol, sodium salt	153, 530.
Pentachlorophenol, zinc salt	153.
2-Phenylcholine	530.
<b>Phenyl mercuric derivatives, nonmedical:</b>	
o-Hydroxyphenylmercuric chloride, tech.	577.
Mercurous chlorophenol	277.
Mercurous chlorophenol	277.
Phenyl mercuric acetate	27, 234, 263.
Phenyl mercuric o-benzoate	263.
Phenyl mercuric borate	234.
Phenyl mercuric hydroxide	234.
Phenyl mercuric nitrate	234.
Phenyl mercuric oleate	237.
Phenyl mercuric stearate	234, 263.
Phenylphosphoric acid, disodium salt	277.
<b>Photographic chemicals:</b>	
2-(p-Aminoethylamino)ethanol diacetate, zinc chloride	577.
Benzenesulfonic acid, sodium salt	506.
Bromotriazole	229, 418, 577.
Catechol (Pyron technic)	193.
Chlorobenzotriazole	229.
Chlorohydroquinone	577.
p-Diiso-N,N-diethylaniline, zinc chloride	I.
p-Diiso-N,N-diethyl-p-phenylenediamine, zinc chloride	I.
p-Diiso-N-ethyl-N-hydroxyethylamine, zinc chloride	I.
p-Diiso-N-hydroxyethyl-N-methylaniline, zinc chloride	I.
N,N-Diethyl-p-phenylenediamine diacetate, zinc chloride	577.
N,N-Diethyl-p-phenylenediamine hydrochloride	445, 506, I.
N,N-Diethyltoluenediamine monohydrochloride	445.
N,N-Diethyl-p-phenylenediamine diacetate, zinc chloride	577.
N,N-Diethyl-p-phenylenediamine sulfate	577, I.
N-Ethyl-N-(p-methoxyphenyl)toluene-2,5-diamine	445.
Hydroquinone (hydroquinol)	228, 277, 374, 445.
Hydroquinonesulfonic acid, sodium salt	418.
p-Hydroxyphenylglycine	344, 418, 577.
p-Methylaminophenol sulfate (Rohol) (Rohol)	246, 374, 418.
3-Methylbenzotriazole	418.
4-Nitrobenzotriazole	229, 418.
N-Phenyl-p-phenylenediamine diacetate sulfate	577.
All other	229.
Phthalic acid, lead salt, dibasic	160.
Phthalic acid, zinc salt	393.
Piperidinepropyl bromate perchlorate	382.

TABLE 231.—Synthetic organic chemicals: Miscellaneous chemicals for which United States production or sales were reported, identified by manufacturer, 1950—Continued

Chemical	Manufacturers' identification numbers (according to list in table 26)
<b>MISCELLANEOUS CHEMICALS, CYCLIC—Continued</b>	
<b>Phenyl mercuric derivatives:</b>	
o-Butyl-2,4-dinitrophenol	530.
<b>2,4-Dichlorophenoxyacetic acid (2,4-D) and derivatives:</b>	
o,4-Dichlorophenoxyacetic acid	120, 153, 277, 385, 396, 473, 482, 484, 520, 530.
o,4-Dichlorophenoxyacetic acid esters:	
o-Butyl 2,4-dichlorophenoxyacetate	94, 150, 482, 520.
o-Butyl 2,4-dichlorophenoxyacetate	120.
o-Butyl 2,4-dichlorophenoxyacetate	150.
o-Butyl 2,4-dichlorophenoxyacetate	94, 120, 150, 153, 243, 277, 482, 520, 530.
o,4-Dichlorophenoxyacetic acid salts:	
Amine salt of 2,4-dichlorophenoxyacetic acid	94.
Diethylamine 2,4-dichlorophenoxyacetate	277, 482.
Isopropylamine 2,4-dichlorophenoxyacetate	277.
Sodium 2,4-dichlorophenoxyacetate	153, 277, 473, 484.
Triethylamine 2,4-dichlorophenoxyacetate	150, 243, 277, 405.
<b>2,4-Dichlorophenoxyethyl acetate:</b>	
o-Butyl 2,4-dichlorophenoxyethyl acetate	316.
o-Butyl 2,4-dichlorophenoxyethyl acetate	330.
o-Butyl 2,4-dichlorophenoxyethyl acetate	418.
Isopropyl acetate (isopropyl phenoxyacetate)	153, 396.
o-Phthalimidesulfonic acid, sodium salt	150.
o-Phthalimidesulfonic acid, methyl ester	9, 94, 150, 190, 530.
o-Phthalimidesulfonic acid, sodium salt	94, 530.
o-Phthalimidesulfonic acid, zinc salt	530.
o-Phthalimidesulfonic acid, zinc salt	375.
o-Phthalimidesulfonic acid, sodium salt	564.
<b>2,4,5-Trichlorophenoxyacetic acid (TCP) and esters:</b>	
2,4,5-Trichlorophenoxyacetic acid	94, 120, 153, 530.
o-Butyl 2,4,5-trichlorophenoxyacetate	94.
Isopropyl 2,4,5-trichlorophenoxyacetate	120, 153, 277, 385.
All other	277.
Phthalimide propylthioate	277.
Phthalimide propylthioate	277.
Phthalimide propylthioate	445.
Phthalimide propylthioate	421.
Phthalimide propylthioate	421.
Phthalimide propylthioate	421.
Phthalimide propylthioate	421.
Phthalimide propylthioate	246, 421.
Phthalimide propylthioate	277.
Phthalimide propylthioate	153.
Phthalimide propylthioate	246, 445.
<b>Phthalic acid, zinc salt:</b>	
Phthalic acid, zinc salt	193.
Phthalic acid, zinc salt	72.
<b>Phthalimide derivatives:</b>	
Phthalimide propylthioate	322.
Phthalimide propylthioate	11.
Phthalimide propylthioate	476.
Phthalimide propylthioate	508.
Phthalimide propylthioate	157.
Phthalimide propylthioate	11, 72, 95, 97, 193, 410, 416, 476, 493, 522, 539, 539, 577.
<b>Phthalic acid salts:</b>	
Phthalic acid, zinc salt	71.
Phthalic acid, zinc salt	71, 197, 263, 267, 429.
Phthalic acid, zinc salt	429.
Phthalic acid, zinc salt	429.
Phthalic acid, zinc salt	197, 263, 267, 467, 470, 560.
Phthalic acid, zinc salt	71.
Phthalic acid, zinc salt	71.
Phthalic acid, zinc salt	71, 197, 267, 429, 467, 560.
Phthalic acid, zinc salt	429.
Phthalic acid, zinc salt	71, 197, 267, 467, 560.
Phthalic acid, zinc salt	71, 267, 393, 467, 560.
Phthalic acid, zinc salt, normal	160.
Phthalic acid, zinc salt, normal	380.
Phthalic acid, zinc salt, normal	575, 578.
<b>Phthalic acid esters:</b>	
Phthalic acid, zinc salt	430.
Phthalic acid, zinc salt	430.
Phthalic acid, zinc salt	6.
<b>Phthalimidesulfonic acid condensation:</b>	
Phthalimidesulfonic acid, formaldehyde condensation and salt	153, 323, 444.
Phthalimidesulfonic acid, formaldehyde condensation and salt	430, 482, 485, 512.
Phthalimidesulfonic acid, formaldehyde condensation and salt	464.

TABLE 22B.-- In organic chemicals: Miscellaneous chemicals for which United States production or sales were reported, identified by manufacturer, 1950--Continued

Chemical	Manufacturers' identification numbers (according to list in table 2b)
<b>MISCELLANEOUS CHEMICALS, CYCLIC--Continued</b>	
*Tanning materials--Continued	
2-Mercaptopyrimidine	430.
Phenyl-formaldehyde type	430.
Phenyl-formaldehyde, sulfonated	430, 464.
Phenylbiguanide hydrochloride	430.
Phenyl guanidine stearate	430.
Polymethylene phenylbiguanide	430.
Styrene maleic anhydride interpolymer, partial sodium salt	153, 257.
Sulfonoliphenolulfonic acid, formaldehyde condensate	506.
1,3,4,6-Tetrachlorophenol	330.
Tetrahydrophthalone (Tetraol)	257.
3,3',3''-Tetraethyl-5,6,5',6'-tetrahydro-1,1'-spiro-bis-imine	193.
Tetraethyl lime	273.
Terpene chemicals:	
m-Nitrobenzoic acid, sodium salt	178.
Phenothiazolulfonic acid	308.
Protobius acid (amin acid mixture)	308.
All other	297.
Thiophene	142.
Thiophenol	428.
n-Butane di-isocyanate	153.
n-Tolylbiguanide	153.
Tri-tert-amylphosphite	153.
*2,4,6-Trichlorophenol	273, 530.
2,4,6-Trichlorophenol	530.
*2,4,6-Trichlorophenol, sodium salt	153, 530.
Trichlorophenol (mixed isomers), sodium salt	153.
Trifluorotoluene (perchlorotrifluoride)	273.
Trimesic acid	153.
n-Tolylbiguanide	153.
<b>MISCELLANEOUS CHEMICALS, ACYCLIC</b>	
Acetaldehyde	218, 376, 445, 474, 527, 544, 5.
Acetaldehyde ammonia	544.
Acetaldehyde (alcoh)	544.
Acetic acid	484.
Acetic acid hydrochloride (Ethanoic acid hydrochloride)	544.
*Acetic acid, synthetic, 100%	218, 257, 445, 474, 527, 544, 5.
*Acetic acid salts:	
Aluminum acetate	430, 464, 484, 538, 544.
Ammonium acetate	338.
Barium acetate	473, 484, 538.
Calcium acetate	464, 473, 484.
Cadmium acetate	473, 484, 538.
Calcium acetate	474, 484, 538.
Chromium acetate	430, 473.
Cobalt acetate	283, 467, 473, 560.
Copper acetate	538, 544, 560.
Lead acetate	287, 443, 473, 484.
Lead tetroacetate	473, 484, 538.
Magnesium acetate	473, 484.
Manganese acetate	467.
Mercuric acetate	473, 484.
Nickel acetate	467, 473, 560.
Potassium acetate	473, 484, 538, 544.
Sodium acetate	257, 421, 443, 473, 484, 538, 544.
Strontium acetate	467, 473, 484, 538, 544.
*Sulfuric acid, 100%:	
From acetic acid, new, by the vapor-phase process	445.
From acetic acid, recovered, by the vapor-phase process	218, 230, 445.
From acetylene	257.
From ethylene	516.
From butene	516.
Acetic acid:	
None	302, 506.
Di	302.
Tri	302, 445.
*Acetone:	
By fermentation	131, 387, 474, 527.
From isopropyl alcohol	334, 391, 445, 516.
All other	218.
Acetonitrile	544.
Acetylacetone	516.
Acetylacetone (2,4-Pentanedione)	516.

TABLE 22B.--Synthetic organic chemicals: Miscellaneous chemicals for which United States production or sales were reported, identified by manufacturer, 1950--Continued

Chemical	Manufacturers' identification numbers (according to list in table 2b)
<b>MISCELLANEOUS CHEMICALS, ACYCLIC--Continued</b>	
Acetyl bromide	418.
Acetyl chloride	3.
Acetic acid	424.
Acrylonitrile	430.
Alipic acid	297.
Aliponitrile	3.
Allyl acid phosphates and salts	153.
Allyl alcohol	334, 518.
Aluminum isopropylate	22, 447.
*Amino:	
Allylamine	557.
Butylamines:	
None	445, 516, 556.
Di	516, 556.
Tri	556.
Im	556.
Im	255.
Onocet oil amine	255.
Diallylamine	557.
1-Diethylamino-4-aminopentane (Novaldimine)	315.
Di-isopropylamine	556.
Di-isopropylamine	556.
n,n'-Dimethyl-1,2-propanediamine	430.
Diethylamine	516.
Diethylamine	255.
Dipylamines:	
None	516, 556.
Di	516, 556.
Tri	516, 556.
Dipropylamine, tech	257.
2-Dipropylamine (2-Aminobutane)	153.
Dodecylamine	255.
Dodecylamine	257.
Dodecylamine	474, 518, 535, 556.
Isopropylamine	470.
Isopropylamine	470.
Isopropylamine:	
None	474, 482.
Di	257, 474, 482.
Tri	257, 474, 482.
Octadecylamine	255.
Octadecylamine	258.
Propylamine	516.
Pyridine oil amine	255.
Pyridine amine	255.
Pyridine amine, hydrogenated	255.
All other	430.
Substituted acid (Dipyrone), tech	339.
3-Amino-1-butanol	474.
Stannous dihydrogen sulfate	506.
3-Amino-2-butanol sulfate	182.
3-Amino-2-butanol-1-propanol	474.
3-Amino-2-butanol-1,2-propanediol	474.
3-Amino-2-butanol-1-propyl acid phosphate	528.
Urea acetate, 90%	
Urea:	
None	327, 556.
Di	257.
Tri	172, 237, 335, 387, 474.
Urea	556.
*Urea salts, 100%:	
Acetic acid	257, 474.
Acetic acid	277, 387, 474, 527, 556.
Urea:	
Acetic (2-Methylbutanol-1)	256, 277.
Urea (n-Butylcarbamol)	556.
Urea (3-Methylbutanol-1)	335, 387, 474.
Urea	556.
*Urea:	
Urea-2 (Methylpropylcarbamol)	556, 5.
Urea-3 (Diethylcarbamol)	516.
Urea	556.
Urea: Acyl (2-Methylbutanol-2)	315, 556.
Urea ether	556.
Urea ether malonic ester	362.
Urea urethane	556.
Urea potassium sodium phosphate	153.
Urea acid	419.
Urea trifluoride, ethyl ether complex	467, 484.
Ureaurethane	208, 493.

## Directory of Manufacturers

The Directory of Manufacturers lists the companies that report their production of synthetic organic chemicals to the United States Tariff Commission. The name of each manufacturer is preceded by an identification number.

For 1950 the Directory of Manufacturers lists 576 companies (see table 26). This is 11 more than the number that reported in 1949, and nearly 300 more than reported before the war. Some of the companies that report production of synthetic organic chemicals consume their entire output in further manufacturing.

The Directory of Manufacturers lists the companies in two ways. Section 1 lists them in numerical order, the identification number for each company having been assigned in the order in which its schedule was received by the Commission. This system makes it unnecessary to wait until all the schedules are returned before assigning the identification numbers, and greatly speeds the preparation of the tables in part III. Section 2 lists the companies in alphabetical order.

TABLE 26.--Synthetic organic chemicals: Directory of manufacturers, 1950

## SECTION 1. NUMERICAL DIRECTORY

Names of synthetic organic chemical manufacturers who reported production or sales to the United States Tariff Commission for 1950 are listed below in order of their identification numbers as used in tables in part III. Section 2 of this table lists these manufacturers alphabetically and gives their offices and a short address.

No.	Name of company	No.	Name of company
1	Empire Chemical Co., Inc.	77	Atlantic Chemical Co., Inc.
2	Empire Color & Chemical Works.	78	Chemical Process Co.
3	Empicon Polymer Corp.	79	Harlow-Van Loan Corp.
4	Boston Varnish Co.	80	Peerless Color Co., Inc.
5	Seamont Copper Corp.	81	Summit Chemical Products.
6	Marathon Corp. (Chemical Div.).	82	General Tire & Rubber Co.
7	Minnesota Paints, Inc.	83	Amalgamated Chemical Corp.
8	Virginia-Carolina Chemical Corp.	84	Agex Chemical Co., Inc.
9	Camberlitt, F. O., Co.	85	Bio-Process Co., Inc.
10	Synthetic Products Co.	86	Edison, Thos. A., Inc. (Medical Gas Div.).
11	Medicol Chemicals Corp.	87	Inland Steel Container Co.
12	Schleffelin & Co.	88	Laurel Soap Manufacturing Co., Inc.
13	Belleme Varnish Co.	89	Locta Co.
14	Labco Laboratories, Inc.	90	Magnolia Petroleum Co.
15	Davis & Reynolds Co., Inc. (James-Oakley Div.).	91	Seely & Co., Inc.
16	Pacific Paint & Varnish Co.	92	Scholler Bros., Inc.
17	Harlan-Lodden Co.	93	Solval Chemical Co., Inc.
18	Raytheon Div. of Raytheon-Warrenton, Inc.	94	Thompson Horticultural Chemicals Corp.
19	Parlor-Boston Co.	95	Delta Chemical Works.
20	Smoulder Chemical Co.	96	Van Dyk & Co., Inc.
21	Caroline Aniline & Extract Co.	97	Bioe Laboratories, Inc.
22	Ortho Chemical Corp.	98	DeFree Co.
23	Advance Paint Co.	99	Forester Chemical Co., Inc.
24	Fine Colors Co., Inc.	100	Fuller, V. F., & Co.
25	Armstrong Cork Co.	101	Gulf Oil Corp.
26	Wright-Schier Chemical Co.	102	Shannon, S. H., & Co.
27	Clary, W. A., Corp.	103	Shelton Pipe & Pipe Works.
28	Chemura-Crown Chemical Corp.	104	Continental Oil Co.
29	George, F. D., Co.	105	Chascoe, Inc.
30	Hyman, Westcott & Dunning, Inc.	106	Cochs-Pelle Pipe Works, Inc.
31	Labco-Debrulle, Inc.	107	Kobay-Bradley Co.
32	Rayton-Wild Corp.	108	Raytheon Color Works, Inc.
33	Wall Spot Paint & Varnish Co.	109	Raytheon Paint & Varnish Corp.
34	Adkins, George F., Co., Inc.	110	Oil Storage Petroleum Co., Inc.
35	Miller & Conroy, Inc.	111	Johnson Manufacturing Co.
36	Alco Oil & Chemical Corp.	112	Burroughs-Williams & Co. (U. S. A.), Inc.
37	Chaffard, J.	113	Lantz Chemical Corp.
38	Glambetham Consolidated Gas Co.	114	Nechee-Sutton Products Co. (S. S.). <sup>1</sup>
39	W & W Wood Working Co.	115	Pitman-Moore Co., Div. of Allied Laboratories, Inc.
40	Penna Pharmaceutical Laboratories, Inc.	116	Standard Varnish Works.
41	Commonwealth Color & Chemical Co.	117	Sonoco Products Co.
42	Perley & Lantcher Manufacturing Co.	118	Witte, John B., & Sons.
43	Stone Industrial Finishes Co.	119	General Tire & Rubber Co. (S. S.). <sup>1</sup>
44	Port Products Corp.	120	Pittsburgh Coke & Chemical Co.
45	Henry-Young Co.	121	Richmond Chemical Corp.
46	Sigma Laboratories, Inc.	122	Williams, C. E., & Co.
47	Sigo, James S., & Co., Inc.	123	Ansel Chemical Co.
48	Atlas Refinery, Inc.	124	Corpuscular-Norton Co.
49	American-Maricopa Co. (Parbert-Schroeder Co. Div.).	125	Clinic Service Refining Corp. (S. S.). <sup>1</sup>
50	Wilco Laboratories, Inc.	126	Federal Paint Co., Inc.
51	Wassburn, L., Sons, Inc.	127	Hurwar Paint Co.
52	Waukesha Fibre Co., Inc.	128	Parsons, H. W., Imports & Plymouth Organic Laboratories, Inc.
53	Standard Brands, Inc.	129	Poughkeepsie Dyestuff Corp.
54	Hurwar Drug & Chemical Co.	130	Thomson Colors, Inc.
55	Galt's Manufacturing Co.	131	Western Condensing Co.
56	Engelmann Corp. (S. S.). <sup>2</sup>	132	Worcester Chemical Co.
57	Greenell Chemical Co., Inc.	133	Bird & Son, Inc.
58	Harrington, V. H., Estate of	134	Cadet Chemical Corp.
59	Shily Chemical Co., Inc.	135	Carlisle Chemical Works, Inc.
60	Nye Chemical Corp.	136	Citro Chemical Co.
61	Wigara Alkali Co.	137	Genesee Research Corp.
62	Standard Agricultural Chemicals, Inc.	138	Harbon Corp.
63	All-Tex Specialties Co.	139	Nutrition Research Laboratories, Inc.
64	American Viscose Corp.	140	Diesel Oil Co.
65	Synco Chemical Corp.	141	Parosime, Inc.
66	General Motors Corp. (AC Spark Plug Div.).	142	Seoung-Yeom Oil Co.
67	Hamilton Laboratories, Inc.	143	Spiew-Gerhart Corp.
68	Indell Chemical Co.	144	Union Oil Co. of Calif.
69	Wyngham Chemical Co.	145	Valentine & Co., Inc.
70	Liquid Carbonic Corp.	146	Van Camp Laboratories, Div. of Van Camp Inc Food Co., Inc.
71	Hoyer, J., & Sons.	147	Bates Chemical Co.
72	Waukegan Research Corp.	148	Cutter Laboratories.
73	Beaumont Area Co., Inc.	149	Ritter, F., & Co.
74	Blanchard-Mason Co.	150	American Chemical Paint Co.
75	White Corp.		
76	American Bio-Synthetic Corp.		

See footnote at end of table.



THE Synthetic organic chemicals: Directory of manufacturers, 1930--Continued

No.	Name of company	No.	Name of company
473	Baker, J. T., Chemical Co.	524	Alex Corp.
474	Commercial Solvents Corp.	525	International Corp. (Finishes Div.)
475	Bodge & Elliott, Inc.	526	Jones-Salbury Labs., Inc.
476	Mons Laboratories	527	Publisher Industries, Inc.
477	Muhlig Chemical Corp.	528	Syntheron, Inc.
478	Taylor Fibers Co.	529	White & Miller Co.
479	Tread, Arthur G., Co.	530	Dow Chemical Co.
480	United States Plating Co.	531	Indie Paint & Lacquer Co.
481	Whitcomb-Wright Co., Inc.	532	Dun Chemical Corp. (Marwick Chemical Co. Div.)
482	Robt & Mac Co.	533	American Cyanamid Co. (Calco Chemical Div.)
483	Ray, Otto S., Inc.	534	American Cyanamid Co. (Lederle Laboratories Div.)
484	Allied Chemical & Dye Corp. (General Chemical Div.)	535	Pine Organizer, Inc.
485	Allied Chemical & Dye Corp. (National Cellulose Div.)	536	Advance Solvents & Chemical Corp.
486	Calchem Chemical Co.	537	International Minerals & Chemical Corp.
487	Hyden Chemical Corp.	538	Marut & Co., Inc.
488	Suppers Co., Inc. (Far Products Div.)	539	Pfaffenthal Chemical Co.
489	Standard Oil Co. of Indiana	540	Union Carbide & Carbon Corp. (Bakelite Div.)
490	Union Carbide & Carbon Corp. (Bakelite Products Div.)	541	Jesson Chemical Industries, Inc.
491	Altkonem Chemical Co., Inc.	542	Abbott Laboratories
492	Chile Pulp Colors, Inc.	543	Ornicel Chemical Co.
493	Columbia Organic Chemicals Co., Inc.	544	E. S. Vandusen Corp. (Miscel Chemicals Div.)
494	Clouston Corp.	545	Verley Chemical Co., Inc.
495	Houghton, E. F., & Co.	546	Magnuder Color Co., Inc.
496	Lueders, George, & Co.	547	Sehring Corp.
497	Atomic Basic Chemicals Corp.	548	Specialty Resins Co.
498	Crown Div. of Joseph Turner & Co.	549	American Aniline Products, Inc.
499	Summa Chemical Corp.	550	Permutit Co.
500	Gilman Paint & Turbich Co.	551	Allied Chemical & Dye Corp. (Barrett Div.)
501	Mayson Color Works, Inc.	552	Orbit Products Corp.
502	Mons & Widdeloh Co.	553	Canot, Geoffrey L., Inc.
503	Organelo, Inc.	554	Bick & Co., Inc.
504	Arnold, Hoffman & Co., Inc.	555	Hardesty Chemical Co., Inc.
505	Dowey Products Co.	556	Sharples Chemicals, Inc.
506	General Aniline & Pile Corp. (General Aniline Works Div.)	557	Uval Laboratories, Inc.
507	Resinol Corp.	558	Baker Castor Oil Co.
508	Midland Industrial Finishes Co.	559	Logan, B. L., & Co., Inc.
509	Pennsylvania Salt Manufacturing Co.	560	Weldon Chemical Co.
510	Solvent Chemical Co., Inc.	561	Tennessee Products & Chemical Corp.
511	Truland Chemical & Engineering Co., Inc.	562	Industrial Products, Inc.
512	Dowey & Alay Chemical Co.	563	Old Colony Tar Co.
513	Burstein & Chemical Co.	564	Dexter Chemical Corp.
514	Lewis Tar Products Co.	565	Jordan, V. H. & F., Jr., Manufacturing Co.
515	Novo Products Co.	566	Berkeley Chemical Corp.
516	Union Carbide & Carbon Co. (Carbide & Carbon Chemicals Div.)	567	American Alkyd Industries
517	Baltimore Paint & Color Works	568	Pures Corp., Ltd.
518	Consolidated Royal Chemical Corp.	569	Ethyl-Dow Chemical Co.
519	General Electric Co. (Chemical Dept.)	570	Eastern Tar Products Corp.
520	Montross Chemical Co.	571	Mid-West Tar Products Corp.
521	Parkline Glass Co.	572	Montross Chemical Corp. of California
522	Versatile Chemicals, Inc.	573	Neilly-Whitman-Walton Co.
523	White & Hodge, Inc.	574	Terra Chemicals, Inc.
		575	Collett West Bleacher, Inc.
		576	Florsynth Laboratories, Inc.

<sup>1</sup> S. E. in parentheses following the name of a company indicates U. S. Government plant operated for Rubber Reserve Company.

TABLE 26.--Synthetic organic chemicals: Directory of manufacturers, 1930--Continued

Names of synthetic organic chemical manufacturers who reported production or sales to the United States Tariff Commission for 1930 are listed below alphabetically, together with their identification numbers as used in tables in part III. Section 1 of this table lists these manufacturers in order of their identification numbers.

No.	Name of company	Office address (location of plant given in parentheses if not in same city as office)
542	Abbott Laboratories	14th St. and Sheridan St., North Chicago, Ill.
543	Ac-Co Color Corp.	66 Lister Ave., Newark 5, N. J.
544	Advance Paint Co.	401-35 Kentucky Ave., Indianapolis 7, Ind.
545	Advance Solvents & Chemical Corp.	245 5th Ave., New York 16, N. Y. (Jersey City, N. J.)
546	Alco Oil & Chemical Corp.	Trouton Ave. and William St., Philadelphia 24, Pa.
547	Allied Chemical & Dye Corp. (and Alfraxine Corp. of California)	155 E. 44th St., New York 23, N. Y. (Paterson, N. J., and Los Angeles, Calif.)
548	Alkyd Laboratories, Inc.	3242 S. 30th Ave., Cicero 30, Ill.
549	Allied Chemical & Dye Corp.	
550	Barrett Div.	40 Rector St., New York 6, N. Y. (Bethlehem, Frankford, and Philadelphia, Pa.; Buffalo, Rochester, Syracuse, and Troy, N. Y.; Chicago, Ill.; Detroit, Mich.; Englewood, N. J.; Fairfield, Ala.; Ironton and Youngstown, Ohio; and Malden, Mass.)
551	General Chemical Div.	40 Rector St., New York 6, N. Y. (Buffalo, N. Y.; Newark, N. J.; Baton Rouge, La.; and Clapton, Del.)
552	National Aniline Div.	40 Rector St., New York 6, N. Y. (Buffalo, N. Y.)
553	Salvy Process Div.	Syracuse 1, N. Y. (Geddes, N. Y.; Hopewell, Va.; and South Point, Ohio)
554	All-Far Specialties Co.	65 Hudson St., Newark, N. J.
555	Alex Corp.	3943 Buffalo Ave., Niagara Falls, N. Y.
556	Alkrene Chemical Co.	P. O. Box 1294, Providence 1 (Cranston), R. I.
557	Altkonem Chemical Co., Inc.	540 Pear St., Reading, Pa.
558	Altit Chemical Co.	136 Liberty St., New York 6, N. Y. (Newark, N. J.)
559	Amalgamated Chemical Corp.	Ontario and Rorer Sts., Philadelphia 24, Pa.
560	American Alkyd Industries	Second and 14th Sts., Cortland, N. Y.
561	American Aniline & Extract Co., Inc.	Yonkers and 7 Sts., Philadelphia 24, Pa.
562	American Aniline Products, Inc.	30 Union Sq., New York 3, N. Y. (Lack Haven, Pa.)
563	American Bio-Synthetic Corp.	710 W. National Ave., Milwaukee 4, Wis.
564	American Chemical Paint Co.	Ambler, Pa.
565	American Cyanamid Co.	30 Rockefeller Plaza, New York 20, N. Y. (Amega, Calif.; Bridgeville, Pa.; Charlotte, N. C.; Stamford and Wallingford, Conn.; and Bound Brook, Linden, Warrens, and Woodbridge, N. J.)
566	Calco Chemical Div.	Boston Turnpike, Bound Brook, N. J.
567	Lederle Laboratories Div.	30 Rockefeller Plaza, New York 20 (Pearl River), N. Y.
568	American Nitro Products Co.	100 E. 42d St., New York 17, N. Y.
569	American-Marletta Co.	3400 13th Ave., SW, Seattle 4, Wash.
570	Ferrous-Schroeder Corp. Div.	12615 Elmwood Ave., Cleveland 11, Ohio
571	American Polymer Corp.	101 Foster St., Pawtucket, Mass. (Dexter, Ill.)
572	American Wisconsin Corp.	1617 Pennsylvania Blvd., Philadelphia 3 (Haddonville), Pa.
573	Glyman Div.	Fredericksburg, Va.
574	Anschuetz-Sigle Corp.	92 Chestnut Ave., Rosebank, Staten Island 5, N. Y.
575	Amul Chemical Co.	Foot of Stanton St., Marietta, Wis.
576	Apex Chemical Co., Inc.	225 W. 34th St., New York 1, N. Y. (Elizabethport, N. J.)
577	Appleton Coated Paper Co.	1200 N. Meade St., Appleton, Wis.
578	Arabin Manufacturing Co.	110 E. 42d St., New York 17, N. Y.
579	Argus Chemicals, Inc.	2800 Pearl St., Boulder, Colo.
580	Arco Co.	600 Rossmore Bldg., Minneapolis 2, Minn. (Wyandotte, Mich.)
581	Atwater & Co., Chemical Div.	7301 Rossmore Ave., Cleveland 27, Ohio
582	Armstrong Cork Co.	1355 W. 71st St., Chicago 9 (McCook), Ill.
583	Arnold, Hoffman & Co., Inc.	Liberty and Charlotte Sts., Lancaster (Pittsburgh), Pa.
584	Arnold, Hoffman & Co., Inc.	55 Canal St., Providence, R. I. (Dighton, Mass., and Charlotte, N. C.)
585	Atlantic Chemical Co., Inc.	2072 Smith St., Centerville 11, N. Y.
586	Atlantic Refining Co.	260 S. Broad St., Philadelphia 1, Pa. (Port Arthur, Tex.)
587	Atlas Powder Co.	9th and Market Sts., Wilmington, Del. (Reynolds, Pa., and Atlas Point, Del.)
588	Atlas Refinery, Inc.	342 Lockwood St., Newark 5, N. J.
589	Atlas Wall Paper Mills, Inc.	Coal City, Ill.
590	Atomic Basic Chemicals Corp.	Mayo P. O. Box 375, Lebanon Church Rd., Pittsburgh 27, Pa.
591	Augusta Chemical Co.	Glaze Pottery Ave., Augusta, Ga.
592	Baker Castor Oil Co.	120 Broadway, New York 3, N. Y. (Bayonne and Jersey City, N. J., and Los Angeles, Calif.)
593	Baker, J. T., Chemical Co.	N. Broad St., Phillipsburg, N. J.
594	Taylor Chemical Co.	N. Broad St., Phillipsburg, N. J. (Pann Yan, N. Y.)
595	Baker Oil Tools, Inc.	6022 S. Boyle Ave., Los Angeles, Calif.
596	Baltimore Paint & Color Works	150 S. Calverton Rd., Baltimore 27, Md.
597	Bates Chemical Co.	Scottdale Rd., Lansdowne, Pa.
598	Bacon Chemical Industries, Inc.	97 Bickford St., Boston 30, Mass.
599	Beady Wall Paper Corp.	46 Elm St., Cortland, N. Y.
600	Belle Alkali Co.	Belle, N. Va.
601	Belle Chemical Co., Inc.	534 Pearl St., Reading, Pa.
602	Benson Products Co.	277 South St., Newark 3 (Pleasant), N. J.
603	Berk, F. W., & Co., Inc.	Park Pl. E., Wood-Ridge, N. J.
604	Berkeley Chemical Corp.	947 Summit Ave., Berkeley Heights, N. J.









TA Synthetic organic chemicals: Directory of manufacturers, 1950--Continued

No.	Name of company	Office address (location of plant given in parentheses if not in same city as office)
93	Solvol Chemical Co., Inc.	Green Hill and Market Sts., Mettict, R. I.
910	Solvent Chemical Co., Inc.	341 Commercial St., Malden 48, Mass.
911	Sonneborn, L. Sons, Inc.	300 4th Ave., New York 10, N. Y. (Patrolia, Pa.).
117	Sonoco Products Co.	Marionville, S. C.
304	Southern Dyestuff Corp.	P. O. Box 1045, Charlotte 1 (Sodyeco), N. C.
361	Southern Sizing Co.	P. O. Box 391, East Point, Ga.
447	Southern Textile Chemical Corp.	139 Broadway, New York 18, N. Y. (Clearwater, S. C.).
205	Southside Chemical Co., Inc.	139 Newark St., Petersburg, Va.
52	Spaulding Fibre Co., Inc.	310 Wheeler St., Tonawanda, N. Y.
456	Specialty Chemicals Co.	1545 E. 18th St., Cleveland 14, Ohio.
548	Specialty Resins Co.	2801 Lynwood Rd., Lynwood, Calif.
189	Spencer Chemical Co.	Delight Bldg., Kansas City 6, Mo. (Military, Kans., and Calumet City, Ill.).
143	Spicer-Gerhart Corp.	35 S. Raymond Ave., Pasadena 1 (Sunland and Los Angeles), Calif.
194	Springfield Gas Light Co.	39-79 State St., Springfield 2, Mass.
423	Spulb, S. R., & Sons	35-14 Northern Blvd., Long Island City 1, N. Y. (Brooklyn, N. Y., and New Brunswick, N. J.).
226	Staley, A. S., Manufacturing Co.	Decatur, Ill.
42	Standard Agricultural Chemicals, Inc.	1301 Jefferson St., Hoboken, N. J.
51	Standard Brands, Inc.	593 Madison Ave., New York 22 (Parkhill), N. Y.
141	Standard Chemical Co.	217-219 New St., Philadelphia 6, Pa.
184	Standard Chemical Products, Inc.	1301 Jefferson St., Hoboken, N. J.
365	Standard Chlorine Chemical Co., Inc.	115 Jacobus Ave., South Kearny, N. J.
364	Standard Hydrochloric Products Co., Inc.	115 Jacobus Ave., South Kearny, N. J.
425	Standard Oil Co. of California	225 Bush St., San Francisco 20, (Richmond, El Segundo, and Bakersfield), Calif.
489	Standard Oil Co. of Indiana	910 S. Michigan Ave., Chicago 80, Ill. (Whiting, Ind., and Wood River, Ill.).
498	Standard Ultramarine Co.	5th Ave. and 24th St., Huntington, W. Va.
116	Standard Varnish Works	2600 Richmond Ter., Staten Island 3, N. Y.
413	Stang, W. J., Co.	342 W. Western Ave., Chicago 12, Ill.
286	Stanton Laboratories, Inc.	1011 Pennine Bldg., Philadelphia 2 (Bristol), Pa.
245	Stauffer Chemical Co., Inc.	420 Lexington Ave., New York 17, N. Y. (Niagara Falls, N. Y.; Bentonville and Seneca, Va.; Chester and Monongahela, Pa.; Perry, Ohio; and Berdano, Nev.).
444	Stephan Chemical Co.	1353 N. North Branch St., Chicago 22, Ill.
314	Stearns Chemical Co. Div.	1430 Broadway, New York 16, N. Y. (Franklin, N. J.).
470	Hilton-Davis Chemical Co. Div.	2325 Langdon Farm Rd., Cincinnati 13, Ohio.
287	Stevens-Baker, Fred's A., Inc.	2113 Medill Ave., Chicago 47 (Bessemer), Ill.
81	Sumit Chemical Products	11 William St., Belleville 9, N. J.
307	Sunmer Chemical Co., Inc.	131 N. Centennial St., Zeeland, Mich.
448	Sun Chemical Corp.	309 Sweeney St., Harrison, N. J.
512	Sun Chemical Co. Div.	Wood River Junction, S. E. (Rock Hill, S. C., and Wood River Junction, N. Y.).
318	Sun Oil Co.	1628 Walnut St., Philadelphia, Pa. (Marcus Hook, Pa., and Toledo, Ohio).
130	Sunco Oil & Chemical Co.	3335 Richmond St., Philadelphia 34, Pa.
149	Synthetic Chemicals, Inc.	333 McLean Blvd., Paterson 4, N. J.
10	Synthetic Products Co.	1798 London Rd., Cleveland 12, Ohio.
528	Synthron, Inc.	103 Newton Rd., Ashton, N. Y.
231	Syvaer Corp.	419 E. Front St., Wilmington 99, Del.
426	Tar Distilling Co., Inc.	500 9th Ave., New York 18, N. Y. (Cleveland, Ohio).
478	Taylor Fibre Co.	Northtown (Beltswood), Pa.
445	Tennessee Eastman Co.	Kingsport, Tenn.
543	Tennessee Products & Chemical Corp.	570 American National Bank Bldg., Nashville 3 (Lyles-Wigley and Chattanooga), Tenn.
574	Terra Chemicals, Inc.	801 2nd Ave., New York 17, N. Y. (Lockhaven, Pa.).
362	Texas Co.	P. O. Box 2332, Houston 1, Tex.
313	Tertillane Corp.	12607 Verline Ave., Westchester, Calif.
363	Thiokol Corp.	780 W. Clinton Ave., Fronton 7, N. J.
130	Thomson Colours, Inc.	328 Wilcox Ave., Newark 3, N. J.
94	Thompson Horticultural Chemicals Corp.	3600 Hinson St., Los Angeles 27, Calif. (St. Louis, Mo.).
479	Trans, Arthur C., Co.	4103 S. LaSalle St., Chicago 9, Ill.
364	Trojan Powder Co.	17 N. 7th St., Allentown (Salple), Pa.
442	Trubel Laboratories	State Highway #17, East Rutherford, N. J.
511	Truland Chemical & Engineering Co., Inc.	Rte. 29, Union, N. J.
310	Whitch, Paul, & Co., Inc.	90 West St., New York 6 (Brooklyn), N. Y.
305	Ultra Chemical Works, Inc.	10 Wood St., Paterson, N. J.
158	Union Bay State Chemical Co., Inc.	491 Main St., Cambridge 42, Mass.
540	Union Carbide & Carbon Corp.	30 E. 42d St., New York 17, N. Y. (Sound Brook, N. J.).
516	Carbide & Carbon Chemicals Div.	30 E. 42d St., New York 17, N. Y. (Institute and South Charleston, W. Va.; Niagara Falls, N. Y.; Texas City, Texas; and Whiting, Ind.).
490	Unowax Products Div.	30 E. 42d St., New York 17, N. Y. (Wyandotte, Mich.).
144	Union Oil Co. of Calif.	617 W. 7th St., Los Angeles 17 (Wilmington), Calif.
103	United Piece Dye Works	Wilkeson St., Ludl, N. J.
487	United States Finishing Co.	Bowitch, Dora. (Providence, R. I.).
387	U. S. Industrial Chemicals, Inc.	60 E. 42d St., New York 17, N. Y. (Baltimore, Md.; New Orleans, La.; Newark, N. J.; and Pensacola, Fla.).

TABLE 28.--Synthetic organic chemicals: Directory of manufacturers, 1950--Continued

Name of company	Office address (location of plant given in parentheses if not in same city as office)	
U. S. Oil Co.	P. O. Box 1345, Providence 1 (Phillipdale), R. I.	
446	United States Procaine Co., Inc.	2911-23 Atlantic Ave., Brooklyn 7, N. Y.
405	U. S. Rubber Co., Neugatuck Chemical Div.	1230 Ave. of the Americas, New York 20, N. Y. (Neugatuck, Conn.).
754	U. S. Rubber Co. (N. A.)	1230 Ave. of the Americas, New York 20, N. Y. (Neugatuck, Conn., and Berger and Port Neches, Tex.).
544	U. S. Vanadium Corp., Bisect Chemicals Div.	30 E. 42d St., New York 17 (Niagara Falls), N. Y.
201	UyJohn Co.	301 Henrietta St., Kalamazoo 99, Mich.
145	Valentine & Co., Inc.	11 E. 36th St., New York 18 (Brooklyn), N. Y.
75	Valite Corp.	727 Whitney Bldg., New Orleans 12 (Lockport), La.
443	Van Ameringen-Muebler, Inc.	521 W. 37th St., New York 19, N. Y. (Elizabeth, N. J.).
346	Van Camp Laboratories, Div. of Van Camp Sea Food Co., Inc.	772 Tuna St., Terminal Island, Calif.
373	Vanderbilt Chemical Corp.	230 Park Ave., New York 17, N. Y. (East Moravia and Bethel, Conn.).
96	Van Dyk & Co., Inc.	11 William St., Belleville 9, N. J.
490	Varcum Chemical Corp.	Pachard Rd., Niagara Falls, N. Y.
361	Vaseline Corp.	330 E. Grand Ave., Chicago 11 (Marshall), Ill.
343	Vesley Chemical Co., Inc.	200 Pulaski St., Newark 3, N. J.
774	Vetron Chemical Co.	26 Verona Ave., Newark 4, N. J.
522	Vestalite Chemicals, Inc.	418-W W. Lee Falls Rd., Girardale 4, Calif.
377	Victor Chemical Works	141 W. Jackson Blvd., Chicago 4, Ill.
8	Virgil-Caroline Chemical Corp.	421 E. Main St., Richmond, Va. (Charleston, S. C.).
414	Vitamins, Inc.	679 W. 56th St., Chicago 21, Ill.
213	Vita-Var Corp.	1180 Raymond Blvd., Newark 2, N. J.
342	Wallace & Tiernon Products, Inc.	1 Main St., Belleville 9, N. J.
343	Warner-Johnson Manufacturing Co.	2526 Baldwin St., St. Louis 8, Mo.
187	Washburn, T. F., Co.	2244 Elston Ave., Chicago 14, Ill.
497	Waterloo-Park Co.	177 Erbe Lake Rd., Watertown, Conn.
34	Warner Drug & Chemical Co.	P. O. Box 158, Bellard Vale, Mass.
131	Waters Condensing Co.	759 Newwood Ave., Cincinnati 32, Ohio.
344	Waters Dry Color Co.	P. O. Box 498, Appleton (Madill), Wis.
366	Westinghouse Electric Corp.	600 W. 52d St., Chicago 9, Ill.
190	Westville Laboratories	306 4th Ave., P. O. Box 1017, Pittsburgh (East Pittsburgh), Pa.
146	Wetherill, George D., Varnish Co.	Stepney (Monroe), Conn.
326	Wheeler, Reynolds & Stauffer	Hudson Ave. & White Horse Pike, Camden 3, N. J.
329	White & Bagley Co.	635 California St., San Francisco 8 (Richmond), Calif.
523	White & Rodgers, Inc.	170 Fowler St., Worcester 9, Mass.
481	Whitmore-Wright Co., Inc.	2 Wellington Ave., Everett 58, Mass.
122	Williams, C. E., & Co.	62 Alford St., Charleston 20, Mass.
29	Wilmut & Cassidy, Inc.	2001 Lynch Ave., East St. Louis, Ill.
379	Wilson Laboratories, Div. of Wilson Co., Inc.	170-112 Provoct St., Brooklyn 22, N. Y.
491	Wilson Organic Chemicals, Inc.	4221 S. Western Ave., Chicago 9, Ill.
345	Winthrop-Stearns, Inc.	P. O. Box 432, Sagreville, N. J.
305	Witco Chemical Co.	1430 Broadway, New York 18 (Rensselaer), N. Y.
132	Witte, John H., & Sons	293 Madison Ave., New York 17, N. Y. (Brooklyn, N. Y., and Chicago, Ill.).
442	Wolf, Jacques, & Co.	204 Jefferson St., Burlington, Iowa.
393	Wolff-Alport Chemical Corp.	P. O. Box 839, Passaic (Clifton and Carlstadt), N. J.
320	Wyandotte Chemicals Corp.	1127 Irving Ave., Brooklyn 27, N. Y.
159	Wyeth, Inc.	1809 Bridge Ave., Wyandotte, Mich.
388	Young Machine Works, Inc.	1401 Walnut St., Philadelphia 2, Pa. (West Chester and Harrisburg, Pa., and Chicago, Ill.).
411	Zenith Chemical & Varnish Corp.	2731 Boston St., Baltimore 24, Md.
364	Zimmer & Co., Inc.	350 Morris St., Toledo 4, Ohio.
395	Zurlo, G. F., Co.	Westings-on-Hudson, New York 6, N. Y.
		2731 N. Broad St., Philadelphia 32, Pa.

\* R. I. in parentheses following the name of a company indicates U. S. Government plant operated for Rubber Reserve Company.



**2.4-Dichlorophenoxyacetic acid (2,4-D) and related compounds**

- Allied Chemical & Dye Corp. General Chemical Division - 40 Rector St., New York, NY. Additional locations are listed, none of which exist within the state of NJ.
- American Chemical Paint Co. - Ambler, PA
- California Spray Chemical Co.- Lucas and Ortho Way, Richmond 4, CA
- Dow Chemical Co. - Midland, MI. Additional locations are listed, none of which exist within the state of NJ.
- E.I. Dupont de Nemours & Co. - NJ locations include; Carneys Point, Perth Amboy, Newark, Gibbstown, Arlington, Deepwater, Grasselli and Parin. Additional out-of-state locations are listed.
- Kolker Chemical Works, Inc. - 80 Lister Avenue, Newark 5, NJ
- Monsanto Chemical Co. - 1700 S. Second Street, St. Louis 4, MO. Additional locations are listed, none of which exist within the state of NJ.
- Montrose Chemical Co. - 120 Lister Avenue, Newark 5, NJ
- Pittsburgh Coke and Chemical Co. - Neville Island, Pittsburgh 25, PA
- Pittsburgh Plate Glass Co. - Newark, NJ. Additional out-of-state locations are listed.
- Rohm & Haas Co. - 222 W. Washington Sq., Philadelphia 5, PA
- Thompson Chemical Corp. - 3600 Monon St., Los Angeles 27, CA
- U.S. Rubber Co., Naugatuck Chemical Division - 1230 Avenue of the Americas, New York 20, NY

**2.4.5-Trichlorophenoxyacetic acid (TCP) and related compounds**

- American Chemical Paint Co. - Ambler, PA
- California Spray Chemical Co.- Lucas and Ortho Way, Richmond 4, CA
- Dow Chemical Co. - Midland, MI. Additional locations are listed, none of which exist within the state of NJ.
- Hooker Electrochemical Co. - Buffalo Avenue & 47th St., Niagara Falls, NY
- Kolker Chemical Works, Inc. - 80 Lister Avenue, Newark 5, NJ
- Monsanto Chemical Co. - 1700 S. Second Street, St. Louis 4, MO. Additional locations are listed, none of which exist within the state of NJ.
- Pittsburgh Coke and Chemical Co. - Neville Island, Pittsburgh 25, PA

**2.4.5-Trichlorophenol and related compounds**

- Dow Chemical Co. - Midland, MI. Additional locations are listed, none of which exist within the state of NJ.
- Hooker Electrochemical Co. - Buffalo Avenue & 47th St., Niagara Falls, NY
- General Aniline & Film Corp., General Aniline Works Division - 435 Hudson St., New York 14, NY
- Monsanto Chemical Co. - 1700 S. Second Street, St. Louis 4, MO. Additional locations are listed, none of which exist within the state of NJ.

\* UNDERLINED MANUFACTURERS REPORTED FACILITIES WITHIN THE STATE OF NEW JERSEY

TABLE 40.—Synthetic organic chemicals: Surface-active agents for which United States production or sales were reported, identified by manufacturer, 1931.—Continued

Chemical	Manufacturers' identification numbers (according to list in table 27)
<b>SURFACE-ACTIVE AGENTS, ACYCLIC—Continued</b>	
Sulfated and sulfonated acyclic surface-active agents—Continued	
Nitro- <i>o</i> -combining surface-active agents, sulfated and sulfonated—Continued	
N-(2-Hydroxyethyl)oleamide, sulfated (Oleic acid ethanoamide sulfate), sodium salt	229, 373.
N-(2-Hydroxyethyl)oleamide, sulfated (Stearic acid ethanoamide sulfate), sodium salt	374, 512.
N-(2-Hydroxypropyl)oleamide, sulfated, ethanoamide salt	1.
Lauramide ethylamine ethanol, sulfated, sodium salt	415.
Lauric acid ester of potassium sulfonate-ethanoamide	1.
Lauric acid ester of sodium sulfacetothanoamide	132.
N-Methylcocoylaurine, sodium salt	286, 481, 491, 518, 519.
N-Methylcocoylaurine, sodium salt	481.
N-(Pyrrolidylethyl)sulfococoylamine, sodium salt	3.
Meat's-foot oil amide of ethanoamine, sulfated, ammonium salt	32.
N-Octadecylsulfococoylamine, diacid salt	309.
N-(Oleyloxypropyl)sulfococoylamine, sodium salt	1.
Tallow amide of ethanoamide sulfococoylamine	373.
Oils, fats, and waxes, sulfated and sulfonated:	
Animal fats and oils, sulfated and sulfonated:	
Lard oil, sulfonated	31, 388, 474, 560, 563.
Meat's-foot oil, sulfonated	15, 32, 32, 138, 158, 185, 207, 229, 261, 262, 348, 400, 508, 512, 562.
Dioctearine, sulfonated	185.
Tallow, sulfonated	15, 19, 26, 38, 51, 138, 185, 203, 207, 229, 262, 270, 286, 299, 308, 310, 343, 388, 391, 425, 438, 487, 491, 506, 509, 512, 551, 560, 562.
Wool grease, sulfonated	308.
All other	308.
Fish and marine-animal oils, sulfated and sulfonated:	
Cod oil, sulfonated	15, 31, 185, 207, 229, 262, 348, 400, 506, 512, 551, 562, 563.
Herring oil, sulfonated	15, 185, 207, 229, 306, 563.
Mahaden oil, sulfonated	207, 506, 563.
Red fish oil, sulfonated	207, 229.
Salmon oil, sulfonated	207.
Shark liver oil, sulfonated	158, 207.
Sperm oil, sulfonated	15, 34, 51, 158, 185, 203, 207, 229, 261, 262, 268, 348, 400, 481, 506, 509, 512, 551, 562, 563.
Whale oil, sulfonated	207.
All other	207.
Tall oil, sulfonated	207, 560.
Vegetable oils, fats, and waxes, sulfated and sulfonated:	
Castor oil, sulfonated	32, 185, 203, 261, 370, 442, 509, 562.
All other	1, 21, 26, 31, 38, 52, 124, 138, 139, 158, 185, 203, 207, 229, 261, 262, 270, 286, 299, 306, 310, 318, 343, 348, 373, 374, 390, 391, 400, 402, 423, 436, 442, 474, 481, 487, 491, 508, 509, 512, 551, 560, 562, 563.
Cocoon oil, sulfonated	15, 55, 138, 158, 229, 261, 563.
Corn oil, sulfonated	77, 229, 318, 402, 491, 509, 560.
Cottonseed oil, sulfonated	138, 207, 229.
Linseed oil, sulfonated	562.
Mustard seed oil, sulfonated	229, 402, 562.
Olive oil, sulfonated	512.
Peppercorn oil, sulfonated	38, 124, 158, 229, 306, 118, 373, 388, 487, 509, 562.
Rapeseed oil, sulfonated	562.
Rice-bran oil, sulfonated	138, 203, 229, 232, 286, 308, 402, 512, 560, 562.
Soybean oil, sulfonated	26, 261, 262, 298, 310, 402, 506, 562, 563.
All other	26, 512.
All other oils, fats, and waxes, sulfonated:	
Recovered grease, sulfonated	185, 348, 506.
Petroleum aliphatic compounds, sulfated and sulfonated: Petroleum sulfonate, sodium salt	132, 255, 289, 374.

## Pesticides and Other Organic Agricultural Chemicals

TABLE 41.—Synthetic organic chemicals: Pesticides and other organic agricultural chemicals for which United States production or sales were reported, identified by manufacturer, 1931

Pesticides and other organic agricultural chemicals for which separate statistics are given in table 25a are marked below with an asterisk (\*); products not so marked do not appear in table 25a because the reported data are confidential and may not be published. Manufacturers' identification numbers shown below are taken from table 27. An X signifies that the manufacturer did not consent to the publication of his identification number with the designated product.

Product	Manufacturers' identification numbers (according to list in table 27)
<b>PESTICIDES AND OTHER ORGANIC AGRICULTURAL CHEMICALS, CYCLIC</b>	
<b>Insecticides and seed disinfectants:</b>	
o-Benzophenol	168.
p-Benzophenol	292.
3-Chloro-4-(hydroxymercuri)phenol	221.
3,3-Dichloro-1,4-naphthoquinone	374.
o-(Ethylmercurio)-1,4-naphthoquinone	374.
Hydroxymercuri-nitrophenol	441.
Hydroxymercurio-benzoate	115, 119, 190, 193, 230, 425, 478, 486, 507, 553.
Orthoarsenic acid, copper salt	168, 350.
Penta-chlorophenol	168, 350.
Penta-chlorophenol, sodium salt	356.
Phenyl mercuric lactate	326.
Phenyl mercuric methanethioammonium acetate	374.
Phenyl mercuric chloride	356.
Phenyl mercuric triethanethioammonium lactate	168, 193.
8-Quinoline (8-Hydroxyquinoline), copper salt	221.
Tetra-chloro-p-benzoquinone	350.
2,3,4,6-Tetra-chlorophenol, sodium salt	350.
2,3,4,6-Tetra-chlorophenol, sodium salt	369.
2,4,5-Trichlorophenol	268, 350.
2,4,6-Trichlorophenol	350.
2,4,5-Trichlorophenol, ethanoamine salt	481.
2,4,5-Trichlorophenol, sodium salt	168, 350.
<b>Fertilizers and plant hormones:</b>	
3-(p-Chlorophenyl)-1,1-dimethylurea	374.
Chloroacetylene dicarbonyl sulfide	1.
1,2-Dihydro-3,4-pyridinedione	221.
3,5-Dihydroxybenzoylformic acid, diacid salt	370.
2-Indolebutyric acid (α-Indolyl-β-n-butyric acid)	222.
Isopropyl N-(3-chlorophenyl)carbamate	450.
Isopropyl N-phenylcarbamate (isopropyl carbamate) (IPC)	450.
<b>Phthalates and orthophthalic acid derivatives:</b>	
1-Phthaleneosulfonamide	340.
1-Phthaleneosulfonic acid	340, 350, 433, 441.
1-Phthaleneosulfonic acid, methyl ester	340, 350, 544.
1-Phthaleneosulfonic acid, sodium salt	340, 350, 492.
2-Phthaloylformic acid	511.
2-Phthaloylformic acid, sodium salt	492.
<b>Phenylacetic acid derivatives:</b>	
*2,4-Dichlorophenoxyacetic acid (2,4-D)	168, 213, 287, 350, 364, 443, 450.
*2,4-Dichlorophenoxyacetic acid esters:	
n-Butyl 2,4-dichlorophenoxyacetate	168, 340, 364, 544.
sec-Butyl 2,4-dichlorophenoxyacetate	213, 249.
Ethyl 2,4-dichlorophenoxyacetate	340.
Isopropyl 2,4-dichlorophenoxyacetate	168, 213, 249, 340, 350, 364, 374, 427.
Polypropylene glycol butyl ether 2,4-dichlorophenoxyacetate	350.
Tetrahydrofurfuryl 2,4-dichlorophenoxyacetate	213.
*2,4-Dichlorophenoxyacetic acid salts:	
*2,4-Dichlorophenoxyacetic acid, diethanethioammonium salt	340, 364, 427.
2,4-Dichlorophenoxyacetic acid, dimethylamine salt	213, 374, 544.
2,4-Dichlorophenoxyacetic acid, isopropyl triethylamine salt	249.
2,4-Dichlorophenoxyacetic acid, sodium salt	168.
2,4-Dichlorophenoxyacetic acid, triethanethioammonium salt	211, 374, 427.
All other	213, 427, 544.
2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)	248, 350.
2,4,5-Trichlorophenoxyacetic acid, butyl ester	249.
*2,4,5-Trichlorophenoxyacetic acid, isopropyl ester	168, 213, 248, 249, 427.
2,4,5-Trichlorophenoxyacetic acid, secondary butyl ester	213.
2,4,5-Trichlorophenoxypropionic acid	168, 340.
All other	213, 249, 350, 427.
Phenyl mercuric acetate	231, 439, 556, 562.



AP 27.--Synthetic organic chemicals: Directory of manufacturers, 1931--Continued

No.	Name of company	No.	Name of company
320	United States Finishing Co.	371	Arbush Manufacturing Co.
321	United States Finishing Co., Inc.	372	Baker, J. V., Chemical Co.
322	Western Dyeing Co.	373	Barreth Chemical Co.
323	Polychrome Co.	374	Best Paint & Varnish Co.
324	Rohrbaugh Co.	375	Crown Tar & Chemical Works, Inc.
325	Schuykill Chemical Co.	376	Westvaco Chemical Div., subsidiary of Ford Machinery and Chemical Corp.
326	Callott Wash & Finishing, Inc.	377	Olivaudon Corp.
327	Glycol Products Co., Inc.	378	Soldand Color & Chemical Co.
328	Sumner Oil & Chemical Co.	379	Lafette Chemical Products Co.
329	Paron Corp., Ltd.	380	Ortol Oil Co.
330	Wirthrup-Chambers, Inc.	400	Sepgel Chemical Co.
331	Forlino Glass Co.	401	Stegans Chemical Co.
332	American Allied Industries.	402	Texas Co.
333	Bio-Process Co., Inc.	403	U. S. Industrial Chemicals Co., Div. of National Distillers Products Corp.
334	Cyclo Chemical Corp.	404	Valentini & Co., Inc.
335	Hydro & Glaxo, Inc.	405	Veracolor Chemical Co.
336	Ford Motor Co.	406	Verolac Corp.
337	Harvey Chemical, Inc.	407	Young Aniline Works, Inc.
338	Inland Steel Containers Co.	408	American Nitro Products Co.
339	Michigan Chemical Corp.	409	Catalina Corp. of America.
340	New York Color & Chemical Co., Inc., Div. of American Dyeing Co.	410	Stacy Corp.
341	Shary & Dumas, Inc.	411	General Foods Corp. (Nunnell House Div.).
342	Waltham Fibre Dye Works.	412	General Tire & Rubber Co.
343	Wendell Chemical Corp.	413	Mitronal Chemical Co., Inc.
344	Bruder, R. A., & Sons, Inc.	414	Map, Otto S., Inc.
345	Ramsey-Milkinson, Inc.	415	Farley & Lutzinger Manufacturing Co.
346	Wachsmuth, A., Jr., Inc.	416	Walm Carbide & Carbon Corp. (Malvern Products Div.).
347	Pan American Refining Corp.	417	Yerkes Chemical Co.
348	Plastics Engineering Co.	418	Pur Oil Co.
349	Altrona Chemical Co.	419	Allied Chemical & Dye Corp. (National Aniline Div.).
350	American Chemical Paint Co.	420	Deacy & Almy Chemical Co.
351	Wood, Johnson & Co.	421	Arnold-Burton & Co., Inc.
352	Pittsboro-Chem Co., Div. of Allied Laboratories, Inc.	422	Ray-Fries Chemicals, Inc.
353	Belley Tar & Chemical Corp.	423	Nitrochem-Butler, Fred's A., Inc.
354	Republic Chromating Co.	424	Wagon Chemical Co.
355	Southern Fertilizer Chemical Corp.	425	California-Sperry Chemical Co.
356	Waltham State Chemical Co., Inc.	426	Deacy Products Co.
357	Winton Chemical Works.	427	International Corp. (Finishes Div.).
358	White & Bagley Co.	428	Forlano Oil & Coal Co.
359	Atlas Fertilizer Co.	429	Nichfield Oil Corp.
360	Sea Chemical Co.	430	Ritter, F., & Co.
361	Esso Standard Oil Co.	431	Murrell, Wm. S., Co.
362	Lebec Chemical Corp.	432	Chemical Fueling Corp.
363	Minnesota Paints, Inc.	433	Cookville, F. O., Co.
364	Phillips Petroleum Co. (N. E.). <sup>1</sup>	434	Dexter Chemical Corp.
365	Sheffield Puron Co., Inc. (Chemical Div.).	435	Heavy Industries, Inc.
366	Virginia-Carolin Chemical Corp.	436	Belle Chemical Co., Inc.
367	Waco Laboratories, Inc.	437	Clary, V. A., Corp.
368	Central Chemical Corp.	438	Crown Div. of Joseph Turner & Co.
369	El Surado Oil Works.	439	Hallstrom Chemical Works.
370	Humble Oil & Refining Co.	440	Turn, O. F., Co.
371	Lamb, B. L., & Co., Inc.	441	Allied Chemical & Dye Corp. (General Chemical Div.).
372	Pacific Paint & Varnish Co.	442	Althaus Chemical Co., Inc.
373	Pulmont Chemicals, Inc.	443	Cincinnati Chemical Works, Inc.
374	Rahn & Shan Co.	444	Commercial Solvents Corp.
375	Schaeley Laboratories, Inc.	445	Dye Specialties Corp., Inc.
376	Specialty Resins Co.	446	Kastman Food Co.
377	Synthetic Chemicals, Inc.	447	Harbin Chemical Corp.
378	Tennessee Eastman Co.	448	Pittsburgh Plate Glass Co.
379	Tennessee Products & Chemical Corp.	449	Sherwin-Williams Co.
380	Wetmore-Park Co.	450	Walm Carbide & Carbon Corp. (Bakelite Div.).
381	Wolff-Alpert Chemical Corp.	451	Dunham Products, Inc.
382	Weta Chemical Corp.	452	Weyer, J., & Sons.
383	Wetmore Chemical Products, Inc.	453	Goodrich, B. F., Co. (B. F. Goodrich Chemical Co. Div.).
384	Wetmore de Nemours, S. I., & Co., Inc.	454	Northwestern-Koch, Inc.
385	Wetmore Laboratories, Inc.	455	Smith, Elmer & French Laboratories.
386	Organics, Inc.	456	Wallace & Tiemann Products, Inc.
387	Alfron Chemical Corp.	457	Neuman Laboratories, Inc.
388	Fine Colors Co.	458	Leffingwell Chemical Co.
389	International Corp. (Fertilizer Colors Div.).	459	Verley Chemical Co., Inc.
390	Synvar Corp.	460	American Aniline Products, Inc.
391	Whitish, Paul, & Co., Inc.	461	Synthetic Color Works, Inc.
392	Baker, J. T., Chemical Co. (Taylor Chemical Div.).	462	Galvey Colors, Inc.
393	Widdow Co.	463	Dolan Chemicals, Inc.
394	Industrial Dyeing Co.	464	Grand Rapids Varnish Corp.
395	Lilly, H. J., & Co.	465	Hardesty Chemical Co., Inc.
396	Waltham Laboratories, Inc.	466	International Minerals & Chemical Corp.
397	Southern Stain Co.	467	
398	Pan Oil Co.	468	
399	American Aniline & Extract Co., Inc.		

See footnotes at end of table.

TABLE 27.--Synthetic organic chemicals: Directory of manufacturers, 1931--Continued

No.	Name of company	No.	Name of company
469	Bass & Weinstein Co.	521	Abbott Laboratories.
470	National Lead Co.	522	van Ameringen-Schubert, Inc.
471	Oranite Chemical Co.	523	Abel Laboratories, Inc.
472	Trubek Laboratories.	524	Harco Chemicals, Inc.
473	Thomson Color, Inc.	525	Sandus Chemical Works, Inc.
474	Eltra Chemical Works, Inc.	526	Scherling Corp.
475	Esso Standard Oil Co. (Louisiana Div.).	527	Standard Chemical Co.
476	General Electric Co. (Chemical Dept.).	528	Matross Chemical Corp. of California.
477	Imperial Paper & Color Corp. (Pigment Color Div.).	529	American Cyanamid Co. (Laboratory Laboratories Div.).
478	Standard Oil Co. of California.	530	Midland Industrial Plate Glass Co.
479	Columbia Organic Chemicals Co., Inc.	531	Frederick Chemical Co.
480	Belo Products, Inc.	532	Wannamaker Chemical Co., Inc.
481	General Aniline & Film Corp. (General Aniline Works Div.).	533	Ward Corp.
482	Quelch, E. S., & Sons.	534	Sigma Laboratories.
483	High-Low Chemical Corp.	535	Vitium Laboratories (Div. of Vitium Co., Inc.).
484	Allis Chemical Co.	536	Vitamins, Inc.
485	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	537	Jenkinson-Wright Corp.
486	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	538	Lapco Chemicals, Inc.
487	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	539	DeFree Co.
488	Shelly Oil Co.	540	Vitium Scientific Co. (Bimac & Anand Div.).
489	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	541	Old Colony Tar Co., Inc.
490	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	542	Tar Distilling Co., Inc.
491	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	543	Bank, W. J., & Co., Inc.
492	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	544	Thompson Chemical Corp.
493	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	545	Levie Tar Products Co.
494	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	546	Coastwise Petroleum Co.
495	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	547	Southwest Color & Chemical Manufacturing Corp.
496	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	548	Stamler & Valentine Co.
497	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	549	Geigy Co., Inc.
498	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	550	New York Organic & Chemical Works, Inc.
499	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	551	Frank, Arthur C., Co.
500	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	552	Stanolite Oil & Gas Co.
501	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	553	Advance Solvents & Chemical Corp.
502	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	554	Alliance Color & Chemical Co.
503	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	555	Labor Chemical Corp.
504	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	556	Ballou Chemical Co.
505	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	557	Eastman Synthetic Rubber Corp. (N. E.). <sup>1</sup>
506	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	558	Midland Synthetic Rubber Co. (N. E.). <sup>1</sup>
507	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	559	Schieffelin & Co.
508	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	560	Langdon, E. F., & Co.
509	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	561	Leotec Chemical Co.
510	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	562	Phthalate Co.
511	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	563	Salco Oil & Grease Co.
512	Union Carbide & Carbon Corp. (Organic Chemicals Div.).	564	Smith-New York Co., Inc.

<sup>1</sup> U. S. in parentheses following the name of a company indicates U. S. Government plant operated for the Office of Rubber Reserve.











## UNITED STATES TARIFF COMMISSION

27. Synthetic organic chemicals: Directory of manufacturers, 1951--Continued

No.	Name of company	Office address (location of plant given in parentheses if not in same city as office)
221	U. S. Rubber Co., Neugotek Chemical Div.	1230 Ave. of the Americas, New York 20, N. Y. (Neugotek, Conn.)
214	U. S. Rubber Co. (S. R.) <sup>1</sup>	1230 Ave. of the Americas, New York 20, N. Y. (Neugotek, Conn., and Fort Worth, Tex.)
261	By John Co.	301 Newport St., Kalamazoo 99, Mich.
427	Valentine & Co., Inc.	11 E. 34th St., New York 16 (Brooklyn), N. Y.
522	Van Ameringen-Ruehler, Inc.	521 W. 37th St., New York 19, N. Y. (Elizabeth, N. J.)
59	Van Camp Laboratories, Div. of Van Camp Sea Food Co., Inc.	772 Tuna St., Terminal Island, Calif.
333	Vanderbilt Chemical Corp.	230 Park Ave., New York 17, N. Y. (Bethel and East Norwich, Conn.)
41	Van Dyk & Co., Inc.	11 William St., Belleville 9, N. J.
406	Varnum Chemical Corp.	P. O. Box 476, Niagara Falls, N. Y.
407	Vatolcol Corp.	130 S. Dear Ave., Chicago 11 (Marshall), Ill.
461	Verley Chemical Co., Inc.	200 Pulaski St., Newark 5, N. J.
419	Verona Chemical Co.	26 Verona Ave., Newark 4, N. J.
347	Vielor Chemical Works	141 W. Jackson Blvd., Chicago 4, Ill.
356	Virginia-Carolina Chemical Corp.	401 E. Main St., Richmond, Va. (Charleston, S. C.)
536	Vitamins, Inc.	609 W. 58th St., Chicago 21, Ill.
91	Vita-Vit Corp.	1180 Raymond Blvd., Newark 2, N. J.
458	Walace & Tarran Products, Inc.	1 Main St., Belleville 9, N. J.
532	Waukegan Chemical Co., Inc.	Condon Bridge Rd., Orangeburg, S. C.
176	Warner-Jenkinson Manufacturing Co.	2526 Baldwin St., St. Louis 8, Mo.
108	Wassenaar, T. F., Co.	2244 Elston Ave., Chicago 16, Ill.
56	Watson-Park Co.	127 Echo Lake Rd., Watertown, Conn.
770	Watson Drug & Chemical Co.	Box 150, Bellard Falls, Mass.
312	Western Condensing Co.	739 Beechwood Ave., Cincinnati 32, Ohio.
191	Western Dry Color Co.	P. O. Box 499, Applenton (Mell), Wis.
298	Westinghouse Electric Corp.	600 W. 53d St., Chicago 9, Ill.
109	Wetherill, George B., Varnish Co.	306 4th Ave., P. O. Box 1017, Pittsburgh (East Pittsburgh), Pa.
129	Whetzel, Lorraine B. Stauffer	Redden Ave. & White Birch Pike, Canton 3, N. J.
348	White & Bagley, Inc.	636 California St., San Francisco 6 (Richmond), Calif.
506	White & Bagley, Inc.	100 Foster St., Worcester 6, Mass.
103	Whitmore-Wright Co., Inc.	2 Wallington Ave., Everett 49, Mass.
93	Williams, C. S., & Co.	62 Alford St., Charleston 29, S. C.
263	Wilson & Coeley, Inc.	3001 Lynch Ave., East St. Louis, Ill.
335	Wilson Laboratories, Div. of Wilson Co., Inc.	108-112 Provoct St., Brooklyn 22, N. Y.
301	Wilson Organic Chemicals, Inc.	4221 S. Western Ave., Chicago 9, Ill.
320	Winthrop-Stearns, Inc.	P. O. Box 452, Sayreville, N. J.
507	Witac Chemical Co.	1430 Broadway, New York 18 (Renaissance), N. Y.
62	Witt, John H., & Sons	295 Madison Ave., New York 17, N. Y. (Chicago, Ill., and Brooklyn, N. Y.)
312	Wolf, Jacques, & Co.	206 Jefferson St., Burlington, Iowa.
371	Wolf-Alport Chemical Corp.	354 Lexington Ave., Passaic (Carlsbad and Clifton), N. J.
316	Wyandotte Chemicals Corp.	1127 Irving Ave., Brooklyn 27, N. Y.
171	Wyeth, Inc.	1609 Middle Ave., Wyandotte, Mich.
48	Young Aniline Works, Inc.	1401 Walnut St., Philadelphia 2, Pa.
177	Zinco & Co., Inc.	2731 Poston St., Baltimore 24, Md.
442	Zurn, O. F., Co.	Hastings-on-Hudson 6, N. Y.
		2736 N. Reed St., Philadelphia 32, Pa.

<sup>1</sup> S. R. in parentheses following the name of a company indicates U. S. Government plant operated for the Office of Rubber Reserve.

## APPENDIX

## A. United States Imports of Coal-Tar Intermediates and Finished Coal-Tar Products

Table 28 summarizes, for the period 1949-51, United States imports of coal-tar products that are dutiable under paragraphs 27 and 28 of the Tariff Act of 1930. The data, which were obtained by analyzing invoices covering imports through all United States customs districts, are given in detail in a separate report of the Tariff Commission.<sup>1</sup>

Imports of coal-tar intermediates entered under paragraph 27 in 1951 totaled 8.5 million pounds, with a foreign invoice value of 2.2 million dollars. This was greater than the 5.5 million pounds (valued at 1.6 million dollars) imported in 1950, and the 3.7 million pounds (valued at \$779,000) imported in 1949. Imports in 1951 came principally from Germany and the United Kingdom. Imports from Germany in 1951 were 2.9 million pounds, valued at 1.0 million dollars (foreign invoice value), compared with 1.2 million pounds, valued at \$365,000, in 1950. Imports from the United Kingdom in 1951 were 2.0 million pounds, valued at \$533,000, compared with 2.4 million pounds, valued at \$608,000, in 1950--a decrease of 17 percent in quantity and 12 percent in value. Lesser quantities of coal-tar intermediates were imported in 1951 from Canada, Belgium, the Netherlands, Japan, Switzerland, Czechoslovakia, Australia, France, Sweden, Italy, Mexico, and Norway. In terms of quantity, the most important intermediates imported in 1951 were refined naphthalene, aniline, and o-cresol. Imports of refined naphthalene (3.4 million pounds) came principally from Germany, Japan, Belgium, and the Netherlands; imports of aniline (1 million pounds) came entirely from Canada and the United Kingdom. The United Kingdom was the chief source of o-cresol, total imports of which amounted to 778,000 pounds. Substantial quantities of quinoline, anthraquinone, 2-naphthol, phthalic anhydride, 2-amino-1,5-naphthalenedisulfonic acid, and 1-chloro-4-nitrobenzene were also imported.

Imports in 1951 of finished coal-tar products dutiable under paragraph 28 totaled 4.4 million pounds, with a foreign invoice value of 7.3 million dollars, compared with 5.0 million pounds (valued at 5.3 million dollars) in 1950, and 1.1 million pounds (valued at 2.7 million dollars) in 1949. As in previous years, dyes constituted by far the most important group of finished coal-tar products entered under paragraph 28; they accounted for 3.4 million pounds, with a foreign invoice value of 6.3 million dollars. In 1951, for the first time since before World War II, Germany was one of the principal sources of United States imports of dyes; Switzerland ranked second.

Medicinals and pharmaceuticals constituted the next largest group of finished coal-tar products imported in 1951. Imports of these products in that year totaled 88,000 pounds, valued at \$733,000 (foreign invoice value), compared with 27,000 pounds,

<sup>1</sup> U. S. Tariff Commission, *Imports of Coal-Tar Products, 1951* [processed].



**2,4-Dichlorophenoxyacetic acid (2,4-D) and related compounds**

- Allied Chemical & Dye Corp. General Chemical Division - 40 Rector St., New York, NY. Additional locations are listed, none of which exist within the state of NJ.
- American Chemical Paint Co. - Ambler, PA
- California Spray Chemical Co.- Lucas and Ortho Way, Richmond 4, CA
- Diamond Alkali Organic Chemicals Div., Inc. - 80 Lister Ave., Newark 5, NJ
- Dow Chemical Co. - Midland, MI. Additional locations are listed, none of which exist within the state of NJ.
- E.I. Dupont de Nemours & Co. - NJ locations include; Carneys Point, New Brunswick, Perth Amboy, Newark, Gibbstown, Arlington, Deepwater, Grasselli and Parin. Additional out-of-state locations are listed.
- Monsanto Chemical Co. - 12th Blvd. and Delmar, St. Louis 1, MO. Additional locations are listed, none of which exist within the state of NJ.
- Pittsburgh Coke and Chemical Co. - Neville Island, Pittsburgh 25, PA
- Pittsburgh Plate Glass Co. - Newark, NJ. Additional out-of-state locations are listed.
- Rohm & Haas Co. - 222 W. Washington Sq., Philadelphia 5, PA

**2,4,5-Trichlorophenoxyacetic acid (TCP) and related compounds**

- California Spray Chemical Co.- Lucas and Ortho Way, Richmond 4, CA
- Diamond Alkali Organic Chemicals Div., Inc. - 80 Lister Ave., Newark 5, NJ
- Dow Chemical Co. - Midland, MI. Additional locations are listed, none of which exist within the state of NJ.
- Monsanto Chemical Co. - 12th Blvd. and Delmar, St. Louis 1, MO. Additional locations are listed, none of which exist within the state of NJ.
- Pittsburgh Coke and Chemical Co. - Neville Island, Pittsburgh 25, PA
- Pittsburgh Plate Glass Co. - Newark, NJ. Additional out-of-state locations are listed.
- Rohm & Haas Co. - 222 W. Washington Sq., Philadelphia 5, PA

**2,4,5-Trichlorophenol and related compounds**

- Dow Chemical Co. - Midland, MI. Additional locations are listed, none of which exist within the state of NJ.
- Hooker Electrochemical Co. - Buffalo Avenue & 47th St., Niagara Falls, NY
- General Aniline & Film Corp., General Aniline Works Division - 435 Hudson St., New York 14, NY and Grasselli, NJ
- Monsanto Chemical Co. - 12th Blvd. and Delmar, St. Louis 1, MO. Additional locations are listed, none of which exist within the state of NJ.

\* UNDERLINED MANUFACTURERS REPORTED FACILITIES WITHIN THE STATE OF NEW JERSEY

Pesticides and Other Organic Agricultural Chemicals

TABLE 22B.--Synthetic organic chemicals: Pesticides and other organic agricultural chemicals for which United States production or sales were reported, identified by manufacturer, 1952  
 (Pesticides and other organic agricultural chemicals for which separate statistics are given in table 25A are marked below with an asterisk (\*); products not so marked do not appear in table 25A because the base are not listed in table 27. An X signifies that the manufacturer did not consent to the publication of his identification number with the designated product.)

Product	Manufacturers' identification numbers (according to list in table 27)
<b>PESTICIDES AND OTHER ORGANIC AGRICULTURAL CHEMICALS, CYCLIC</b>	
<b>*Fungicides and seed disinfectants:</b>	
p-Benzophenol	357.
Chloranil (Tetrachloro-p-quinone)	532.
2,3-Dichloro-4-(hydroxymercurio)phenol	273.
2,3-Dichloro-1,4-naphthoquinone	532.
2-(Etopropryl)-p-toluenesulfonyl sulfide	273.
Hydroxymercurioacetate	273.
Phenylmercuric acetate	103, 176, 209, 212, 261, 398, 422, 524, 528, 536.
Pentachlorophenol	85, 366.
Pentachlorophenol, sodium salt	85, 366.
Phenylmercuric acetate	26.
Phenylmercuric benzoate	26.
Phenylmercuric benzenethiolacetate	26.
Phenylmercuric benzenethiolacetate	103, 273.
Phenylmercuric benzenethiolacetate	26.
2,3,4,6-Tetrachlorophenol	85, 103, 115, 168, 422, 511.
2,3,4-Trichlorophenol	366.
2,3,5-Trichlorophenol	200, 207.
2,4,5-Trichlorophenol, ethanolic salt	366, 427.
2,4,6-Trichlorophenol, sodium salt	85, 366.
2,4,6-Trichlorophenol, potassium salt	366.
2,4,6-Trichlorophenol, potassium salt	599.
<b>*Herbicides and plant hormones:</b>	
2-sec-Butyl-4,6-dinitrophenol	3.
1-(p-Chlorophenyl)-3,3-dimethylurea	366.
1,3-Diethyl-3,6-pyridinedione (Piclic hydrate)	273.
3,6-Dimethyl-3,6-pyridinedione (Piclic hydrate)	532.
2-Indolebutyric acid (u-Indole-3-n-butyric acid)	542.
Isopropyl 2-(p-chlorophenyl)carbamate	492.
Isopropyl 2-phenylcarbamate (Isopropyl carbamate) (IPC)	374, 463.
463.	
<b>*Naphthalene- and naphthoic acid derivatives:</b>	
1-Naphthol	153.
1-Naphtholacetate	153, 366, 379, 511, 566.
1-Naphtholacetate acid, methyl ester	153, 366, 379.
1-Naphtholacetate acid, sodium salt	153, 353, 366.
2-Naphthol	353, 566.
2-Naphtholacetate acid, sodium salt	353.
<b>Phenylmercuric acetate, salts and derivatives:</b>	
2-Chloro-7-naphthylphenylacetate	85.
2,4-Dichlorophenylacetate	366.
2,4-Dichlorophenylacetate acid esters:	85, 334, 336, 366, 463, 559.
Butanoylpropylphenylacetate 2,4-dichlorophenylacetate	366.
n-Butyl 2,4-dichlorophenylacetate	85, 153, 200, 336, 559.
sec-Butyl 2,4-dichlorophenylacetate	334, 336, 366.
Ethyl 2,4-dichlorophenylacetate	153.
Isopropyl 2,4-dichlorophenylacetate	334.
Isopropyl 2,4-dichlorophenylacetate	85, 153, 200, 334, 336, 366, 559.
Tetrahydrofurfuryl 2,4-dichlorophenylacetate	334, 336.
2,4-Dichlorophenylacetate acid salts:	
2,4-Dichlorophenylacetate acid, diethanolamine salt	153, 200, 334, 365.
2,4-Dichlorophenylacetate acid, diethylamine salt	273, 336, 559.
2,4-Dichlorophenylacetate acid, isopropylamine salt	200.
2,4-Dichlorophenylacetate acid, sodium salt	85, 365.
2,4-Dichlorophenylacetate acid, triethanolamine salt	200, 273, 334.
2,4,5-Trichlorophenylacetate acid (2,4,5-T)	85, 334, 336, 366, 463, 559.
2,4,5-Trichlorophenylacetate acid, derivatives:	
Butanoylpropylphenylacetate 2,4,5-trichlorophenylacetate	366.
n-Butyl 2,4,5-trichlorophenylacetate	366, 559.
sec-Butyl 2,4,5-trichlorophenylacetate	334, 336.
Isopropyl 2,4,5-trichlorophenylacetate	334.
Isopropyl 2,4,5-trichlorophenylacetate	85, 334, 559.
Tetrahydrofurfuryl 2,4,5-trichlorophenylacetate	200, 334, 336.
2,4,5-Trichlorophenylacetate acid	26, 323, 390, 410.
2,4,5-Trichlorophenylacetate acid	153, 311.

TABLE 22B.--Synthetic organic chemicals: Pesticides and other organic agricultural chemicals for which United States production or sales were reported, identified by manufacturer, 1952--Continued

Product	Manufacturers' identification numbers (according to list in table 27)
<b>PESTICIDES AND OTHER ORGANIC AGRICULTURAL CHEMICALS, CYCLIC--Continued</b>	
<b>*Insecticides:</b>	
Aldrin (Hexachlorocyclohexane) (nonaphthalene)	380.
Allethrin (Allyl homolog of Cinerin I)	253, 374, 488.
Biaryl thioacetate	427.
1,1-Di(p-chlorophenyl)-2-nitroethane	480.
1,1-Di(p-chlorophenyl)-2-nitropropane	480.
2-(p-tert-butylphenoxy)isopropyl-2-chloroethyl sulfite	532.
Chlorane (1,2,4,6,7,8-Octachloro-4,7-methano-2,4,7,7a-tetrahydroindane)	471.
p-Chlorophenyl p-chlorobenzenesulfonate	366, 559.
1,2-Dichloroethylbenzene (Styrene chloride)	366.
1,1-Dichloro-2,2-bis(p-chlorophenyl)ethane (DDD)	138.
2,4-Dichlorophenyl benzenesulfonate	365.
Dieldrin (Hexachlorocyclohexane) (nonaphthalene)	180.
0,0-Dimethyl O-(p-nitrophenyl) thiophosphate	334.
4,6-Dinitro-cresol (DNOC)	1.
4,6-Dinitro-cresol, sodium salt	1.
Diethyl p-nitrophenyl thiobenzenesulfonate (DTP)	273.
Dimethylacetylphosphorane (Dimethyl phosphorane)	265, 273, 307, 334, 345, 381, 399, 421, 427, 463, 480, 487, 530, 559.
265, 345, 427, 559.	
85, 334, 535.	
<b>*Insecticides:</b>	
Phenylmercuric acetate	161, 326.
Phenylmercuric benzoate	161.
1,1,1-Trichloro-2,2-bis(p-chlorophenyl)ethane (DDE)	76, 83, 85, 167, 253, 273, 273, 336, 345, 381, 419, 559, 565.
1,1,1-Trichloro-2,2-bis(p-methoxyphenyl)ethane (DMP)	273.
<b>*Insecticides:</b>	
1-(p-Chlorophenyl)-2-thiourea	345, 515.
1-(p-Chlorophenyl)-3-thiourea	566.
2-(p-Chlorophenyl)-3-thiourea, sodium salt	566.
Barbitin (3-Acetoxythiouracil)-4-hydroxyacetate	542, 583.
<b>PESTICIDES AND OTHER ORGANIC AGRICULTURAL CHEMICALS, ACYCLIC</b>	
<b>*Fungicides:</b>	
Benzenethiolacetate (Methyl benzoate)	302.
Chlorophenol	255, 366, 502.
Dichlorophenol	231.
Dichlorophenol dihydroxypropane (D-D mixture)	383.
<b>*Fungicides and seed disinfectants:</b>	
Diethyl malonate	286.
Diethyl malonate (Copper undecylate)	353.
Diethyl malonate (Copper undecylate)	273.
Diethyl malonate (Copper undecylate)	296, 369, 542.
Diethyl malonate (Copper undecylate)	85, 273, 389, 384, 532, 542.
Diethyl malonate	273.
Diethyl malonate	273.
Diethyl malonate	273.
Diethyl malonate (Copper undecylate)	273, 336.
Diethyl malonate (Copper undecylate)	273, 336.
Diethyl malonate (Copper undecylate)	353, 566.
Diethyl malonate (Copper undecylate)	343.
Diethyl malonate (Copper undecylate)	343, 353.
Diethyl malonate (Copper undecylate)	468.
<b>*Insecticides:</b>	
Diethyl malonate (thionocarbonyl)	85.
Diethyl malonate (thionocarbonyl)	345, 366, 559.
Diethyl malonate (thionocarbonyl)	427.
Diethyl malonate (thionocarbonyl)	85, 366, 427.
<b>*Insecticides:</b>	
Diethyl malonate	336.
Diethyl malonate (thionocarbonyl) O,O-dimethyl diethyl malonate (Malthion)	335.
<b>*Insecticides:</b>	
Diethyl malonate	480.
Diethyl malonate (thionocarbonyl) (DTP)	85.
Diethyl malonate (thionocarbonyl) (DTP)	85, 200, 256, 262, 399, 502, 515.
<b>*Insecticides:</b>	
Diethyl malonate	85.
<b>*Insecticides:</b>	
Diethyl malonate	5, 375, 335.
Diethyl malonate	85.
All other	1.

1 Manufacturers' identification numbers for phenylmercuric acetate are given in table 17B.  
 2 Manufacturers' identification numbers for thiuron are given in table 21B.





TABLE 27.—Synthetic organic chemicals: Directory of manufacturers, 1952.—Continued

No.	Name of company	No.	Name of company
715	Industrial Products, Inc.	390	Burr, F. V., & Co., Inc.
716	Stryker Corp.	391	Esso Standard Oil Co. (Louisiana Div.).
717	United Fibre Dye Works.	392	Firestone Tire & Rubber Co. (Firestone Plantation Div.).
718	Allied Chemical & Dye Corp. (Halcyon Process Div.).	393	General Mills, Inc.
719	Deery Products Co.	394	Jefferson Chemical Co., Inc.
720	Hughes Color & Chemical Co.	395	Koppers Co., Inc.
721	Vanderbilt Chemical Corp.	396	Phillips Petroleum Co. (R. A.). <sup>1</sup>
722	Industrial Dyestuff Co.	397	Sydel Chemical Co.
723	Delta Chemical Works.	398	Advanco Chemicals & Chemical Corp.
724	Hydramite Corp.	399	Advanco Chemical Div., subsidiary of Food Machinery & Chemical Corp.
725	Old Colony Tar Co., Inc.	400	Interchemical Corp. (Finishes Div.).
726	Sterling Drug, Inc. (Hilton-Davis Chemical Co. Div.).	401	Jenolac-Wright Corp.
727	Tar Distilling Co., Inc.	402	Lakes Chemical Corp.
728	Farley & Lantech Manufacturing Co.	403	Sloss-Sheffield Steel & Iron Div. of United States Pipe & Foundry Co.
729	Baker, J. F., Chemical Co.	404	Atlas Powder Co.
730	McC-Frances Co.	405	Baxter Chemical Corp.
731	Hall, C. P., Co. of Illinois.	406	Esso Standard Oil Co.
732	National Chlorophyll & Chemical Co.	407	General Electric Co. (Chemical Div.).
733	Hovdel-Agnes Corp. (Luridol Div.).	408	Interchemical Corp. (Textile Colors Div.).
734	Patent Chemicals, Inc.	409	Arnold, Hoffman & Co., Inc.
735	Pittsburgh Coke & Chemical Co.	410	Cleary, W. A., Corp.
736	Procter & Gamble Co.	411	Union Carbide Chemical Co.
737	Phillips Tar & Chemical Corp.	412	Federal Color Laboratories, Inc.
738	Republic Creosoting Co.	413	Givaudan Corp.
739	Ram & Ross Co.	414	Holland Color & Chemical Co.
740	Shawinigan Resins Corp.	415	Inland Alkaldol Co.
741	Smith, Elise & French Laboratories.	416	Lilly, Eli, & Co.
742	Synthetic Chemicals, Inc.	417	Schwarz Laboratories, Inc.
743	Varum Chemical Corp.	418	Teraco Co.
744	Wallace & Sherman Products, Inc.	419	Cincinnati Chemical Works, Inc.
745	Western Dry Color Co.	420	Eastman Kodak Co.
746	Allied Chemical & Dye Corp. (General Chemical Div.).	421	Elgil Corp.
747	Chemical Process Co.	422	Ferro Chemical Corp.
748	Collett-West-Silbacher, Inc.	423	Glidden Co.
749	Ohio-Agra, Inc., subsidiary of Food Machinery & Chemical Corp.	424	Hart Products Corp.
750	Elmmer & Co., Inc.	425	Hoffmann-La Roche, Inc.
751	Gambich, E. J., Chemical Co. (Div. of B. F. Goodrich Co.) (R. A.). <sup>1</sup>	426	Rohm & Haas, Inc.
752	Inland Steel Containers Co.	427	Rubber Electrochemical Co.
753	Seneca Products Co.	428	Wardner, George, & Co.
754	Kurbalay Chemical Corp.	429	Pearlone Color Co., Inc.
755	Hopco Chemical Co., Inc.	430	U. S. Oil Co.
756	Wilmot & Coakley, Inc.	431	Colton Chemical Co.
757	Quaker Oats Co.	432	Krumbsch Chemical Co., Inc.
758	Prine Brothers, Inc.	433	Hilwood Industrial Finishes Co.
759	Reville Co.	434	National Biochemical Co.
760	Swift & Co.	435	Pennsylvania Refining Co.
761	Bryant Chemical Corp.	436	Royce Chemical Co.
762	Blue Laboratories, Inc.	437	Southern Dyestuff Corp.
763	Watson-Park Co.	438	General Aniline & Film Corp. (General Aniline Works Div.).
764	Behre Pharmaceutical Products, Inc.	439	Emery Industries, Inc.
765	Dakota Brackets & Tar Products, Inc.	440	Herdesty Chemical Co., Inc.
766	Sho's Vitamins, Inc.	441	Lever, C. Co., Inc.
767	Dow Chemical Co.	442	Parke, Davis, Inc.
768	Sykes Co.	443	Leites Chemical Co.
769	Eastern States Chemical Co.	444	Phumo Development Co.
770	Goodrich Tire & Rubber Co.	445	Norco Products Co.
771	Harvey Chemicals, Inc.	446	Fritzsche Brothers, Inc.
772	Ohio Chemical & Surgical Equipment Co., Div. of Air Reduction Co., Inc.	447	Marco Chemicals, Inc.
773	Puriland Gas & Coke Co.	448	Union Carbide & Carbon Corp. (Halocarbon Products Div.).
774	Shinley & Valentine Co.	449	Collins Colors, Inc.
775	U. S. Industrial Chemicals Co., Div. of National Distillers Products Corp.	450	Union Carbide & Carbon Corp. (Linde Air Products Co., Div.).
776	Wilson Organic Chemicals, Inc.	451	Allied Chemical & Dye Corp. (National Aniline Div.).
777	Wintthrop-Stearns, Inc.	452	Archer-Daniels-Midland Co. (Chlorophyll Div.).
778	Wendy Wallace Corp.	453	Dodge & Orenti, Inc.
779	Bulls Chemical Co., Inc.	454	Laporte Chemical Products Co.
780	Cookville, F. O.	455	LeSalle Chemical Corp.
781	Ryan, Julius, & Co.	456	Neud, Johnson & Co.
782	Pennsylvania Salt Manufacturing Co.	457	Wolf, Jacques & Co.
783	Publicker Industries, Inc.	458	Humble Oil & Refining Co.
784	Shell Chemical Corp.	459	American Nitro Products Co.
785	Alco Oil & Chemical Corp.	460	Alfrandre Corp.
786	Columbia Organic Chemicals Co., Inc.	461	Lowen Chemical Co. of California.
787	Fiber Laboratories.	462	Medical Chemicals Corp.
788	Fliter Chemical Corp.	463	Pittsburgh Plate Glass Co.
789	Standard Chlorine Chemical Co.	464	Tennessee Eastman Co.
790	Standard Naphthalene Products Co.	465	Teraco Eastman Co., Div. of Eastman Kodak Co.
791		466	Union Carbide & Carbon Corp. (Socobite Co.).

See footnotes at end of table.

TABLE 27.—Synthetic organic chemicals: Directory of manufacturers, 1952.—Continued

No.	Name of company	No.	Name of company
467	Celanese Corp. of America.	543	Hexagon Laboratories, Inc.
468	Goodrich, B. F., Co. (B. F. Goodrich Chemical Co. Div.).	544	Pharm Chemical Corp.
469	Harsh Oil & Chemical Co.	545	Chemical Chemical Co.
470	Pure Oil Co.	546	Jewel Laboratories, Inc.
471	Valvolene Corp., Div. of Arvey Corp.	547	Humphrey-Willinson, Inc.
472	Strong, Cobb & Co., Inc. (American Chlorophyll Div.).	548	Verley Chemical Co., Inc.
473	Aracel Manufacturing Co.	549	Felton Chemical Co., Inc.
474	Dunlop Products, Inc.	550	Lobin-Debrulle, Inc.
475	Allison Chemical & Dye Corp. (Barrett Div.).	551	Hughes Color Co., Inc.
476	Sealer Chemical Co., Inc.	552	Humble Oil & Refining Co. (R. A.). <sup>1</sup>
477	Pulse Products, Inc.	553	Bush, W. J., & Co., Inc.
478	Indell Chemical Co.	554	Continental Oil Co.
479	Anderson Laboratories, Inc.	555	U. S. Plastic Products Corp.
480	Commercial Solvents Corp.	556	Whittier Laboratories, Div. of Nutrition Research Laboratories, Inc.
481	Payton Chemical Corp.	557	Chemical Chemical Corp.
482	Rayt Gum Pulp & Tissue Co.	558	Pharmolizer, A., Jr., Inc.
483	Stratton Color Works, Inc.	559	Pinnacol Alkali Organic Chemicals Div., Inc.
484	Hess & Wulfsberg, Inc.	560	Reynolds, S. F., & Co., Inc.
485	Miranol Chemical Co., Inc.	561	Hartman Color Works, Div. of the B. F. Goodrich Co.
486	New York Chlorine & Chemical Works, Inc.	562	Abbott Laboratories.
487	Tennessee-Frontier Corp.	563	American Aniline Products, Inc.
488	Union Carbide & Carbon Corp. (Carbide & Carbon Chemicals Co.).	564	Sinclair Refining Co.
489	Anderson-Siegel Corp.	565	Montross Chemical Corp. of California.
490	Althouse Chemical Co., Inc.	566	Vim Organics, Inc.
491	Crown Chemical Company Div., Joseph Turner & Co.	567	Harsh Color & Chemical Manufacturing Corp.
492	Norval & Co., Inc.	568	Huber Carbon Oil Co.
493	Standard Oil Co. of Indiana.	569	DeVos & Reynolds Co., Inc.
494	Childs Pulp Colors, Inc.	570	National Lead Co.
495	Wright, E. F., & Co.	571	Sterling Drug, Inc. (Super Co. Div.).
496	Dr. R. H. H. Laboratory.	572	Vitamins, Inc.
497	Young Aniline Works, Inc.	573	Wanamaker Chemical Co., Inc.
498	Bitter Chemical Co., Inc.	574	Troch Laboratories.
499	Thiokol Corp.	575	Orbit Products Corp.
500	Refco Chemical Co., Inc.	576	American Alkyl Laboratories.
501	Refco Chemical Div., American Polish & Chemical Corp.	577	Stevens Chemical Co.
502	Grand Rapids Varnish Corp.	578	Raychem Paint & Varnish Corp.
503	Pubat Laboratories, Inc.	579	Alliway Color & Chemical Co.
504	Practical Chemical Co.	580	Eastley Synthetic Rubber Corp. (R. A.). <sup>1</sup>
505	R. S. A. Corp.	581	Midland Synthetic Rubber Co. (R. A.). <sup>1</sup>
506	Schwanitz Varnish Co., Inc.	582	Junis, S. B., & Co.
507	Schering Corp.	583	Levin Tar Products Co.
508	Seawole, S. D., & Co.	584	Sakon Laboratories.
509	Shaw-William Co.	585	Parkins Glass Co.
510	Westville Laboratories.	586	Alkyl Laboratories, Inc.
511	Conestoga Petroleum Co.	587	Lambert Corp.
512	Vitre Chemical Works, Inc.	588	Sud-How York Co., Inc.
513	Reichhold Chemicals, Inc.	589	Lapco Chemicals, Inc.
514	Rennen Chemicals, Inc.	590	August Chemical Co.
515	Van Chemical Corp. (Pigment Div.).	591	
516	Wilson Laboratories, Div. of Wilson & Co., Inc.		
517	American Cyanamid Co. (Chlor Chemical Div.).		
518	American Cyanamid Co. (Loderle Laboratories Div.).		
519	Powder Chemical Co., Inc.		
520	Alkal Laboratories.		
521	Smith, E. H., & Sons, Div. of Nutbeam Chemical Corp.		
522	Standard Chemical Co.		
523	Strommeyer, Fred'k. A., Inc.		
524	White & Rodgers, Inc.		
525	Wyeth Laboratories, Inc.		
526	Jordan, Jr., W. H., & P., Manufacturing Co.		
527	Standard Oil Co. of California.		
528	Hydramite Chemical Corp.		
529	North Chemical Corp.		
530	San Chemical Corp. (Marwick Chemical Co. Div.).		
531	V. S. Rubber Co. (Houghton Chemical Div.).		
532	V. S. Rubber Co. (R. A.). <sup>1</sup>		
533	Van American-Rubber, Inc.		
534	American Cyanamid Co.		
535	Amical Corp.		
536	Smith's Chemical Works, Inc.		
537	Sanborn Chemical Co.		
538	Lehman, J. S., & V. R., Inc.		
539	Wick & Co., Inc.		
540	May, Otto S., Inc.		
541	Sharples Chemicals, Inc.		

<sup>1</sup> R. A. in parentheses following the name of a company indicates U. S. Government plant operated for the Office of Rubber Reserve.



TABLE 27.—Synthetic organic chemicals: Directory of manufacturers, 1932.—Continued

No.	Name of company	Office address (location of plant given in parentheses if not in same city as office)
491	Oron Chemical Co. Div. of Joseph Purser & Co.	Highfield, N. J.
34	Orowell Chemical Co., Inc.	2-14 49th Ave., Long Island City 1, N. Y.
280	Oxon Tur & Chemical Works, Inc.	300 Wauveta St., Denver 4, Colo.
178	Oxtler Laboratories	4th and Parker Sts., Berkeley 1, Calif.
364	Palma Brigue & Tur Products, Inc.	Dickinson, N. Dak.
240	Parvo, H. P., Co.	Bush & Severa Sts., Baltimore 30, Md.
346	Parsons Chemical Corp.	101 W. Charles St., Baltimore 3, Md.
365	Parvo's Vitamins, Inc.	4800 S. Richmond St., Chicago 12, Ill. (Newage, Mich.)
317	Parvo Products Co.	120 Foster St., Cambridge 42, Mass.
136	Parsons Chemicals, Inc.	20 Murray St., Staten Island 9, N. Y.
322	Parsons Chemical Works	23 W. 60th St., New York 23, N. Y.
501	Parsons Chemical Co., Inc.	64-27 Parvo St., Long Island City 1, N. Y.
67	Parvo Co.	130 Central Ave., Holland, Mich.
509	Parvo & Reynolds Co., Inc.	Whitford and Delaney Sts., Newark 9, N. J.
21	Parvo-Delany Div.	147 E. 11th St., Louisville 8, Ky.
173	Parvo & Alay Chemical Co.	62 Whitmore Ave., Cambridge 40 (Aston), Mass.
405	Parsons Chemical Corp.	819 Edgewood Rd., New York 29, N. Y.
303	Parnall Alkali Co.	300 Union Commerce Bldg., Cleveland 14, Ohio (Palmsville, Ohio, and Houston, Tex.)
599	Parnall Alkali Organic Chemicals Div., Inc.	80 Lister Ave., Newark 5, N. J. (Houston, Tex.)
453	Dodge & Elliott, Inc.	180 Varick St., New York 14, N. Y. (Baytown, N. J.)
474	Dominion Products, Inc.	10-40 44th St., Long Island City 1, N. Y.
366	Dow Chemical Co.	Midland, Mich. (Pittsburg, Calif.; Galois Ferry, Conn.; and Freeport, Tex.)
79	Dow Chemical Co., Styrene Div. (N. E.)	P. O. Box 300, Gardena (Los Angeles), Calif.
308	Dow Corning Corp.	Box 392, Midland, Mich.
540	Dow, E. F., & Co., Inc.	15 E. 26th St., New York 10, N. Y. (Houston, N. J.)
273	Dupont de Nemours, E. I., & Co., Inc.	10th and Market Sts., Wilmington 99, Del. (3, San Francisco, Calif.; Newport, Seaford, and Wilmington, Del.; Chicago, Ill.; E. Chicago, Ind.; Ft. Madison, Iowa; Louisville, Ky.; Everett, Mass.; Fillet and Maryland, Mich.; Arlington, Carney's Point, Delaware, Grassville, Newark, New Brunswick, Paris, and Fort Amboy, N. J.; Brandon and Niagara Falls, N. Y.; Cleveland and Toledo, Ohio; Philadelphia, Pa.; Chattanooga and Memphis, Tenn.; Houston, Orange, and Victoria, Tex.; Martinsville and Waynesboro, Va.; and Belle and Parkersburg, W. Va.)
312	Dura Plastics & Chemicals, Inc.	Wetok Rd., E. Tomawanda, N. Y.
98	Dyn Specialties Corp., Inc.	24 Journal Sq., Jersey City 6, N. J.
367	Dynco Co.	1207 N. 11th St., St. Louis 6, Mo.
579	Easton, J. S. & W. B., Inc.	25 Berry St., Brooklyn 11, N. Y.
368	Easton State Chemical Co.	P. O. Box 3028, Harrisburg Station, Houston 12, Tex.
420	Easton Soda Co.	143 State St., Rochester 4, N. Y.
80	Eaton Laboratories, Inc. (Harwich Pharmaceutical Co.)	17 Eaton Ave., Harwich, N. Y.
306	Eaton Laboratories	10 Pine St., South Norwalk, Conn.
81	Eaton, Thomas A., Inc., Medical One Div.	P. O. Box 15, Stuyvesant Falls, N. Y.
546	Eaton Laboratories, Inc.	Ringwood, Ill.
774	El Surudo Oil Works	311 California St., San Francisco 4 (Oakland), Calif.
23	Elmhurst Consolidated Gas Co.	16 W. Jersey St., Elizabeth 4, N. J.
439	Emery Industries, Inc.	4300 Carew Tower, Cincinnati 2, Ohio.
376	Emulcol Corp.	59 E. Madison St., Chicago 3, Ill.
127	Emul Products, Inc.	66-40 101st St., Richmond Hill 18, N. Y.
404	Emul Standard Oil Co.	P. O. Box 23, Linden, N. J.
391	Emulco Div.	P. O. Box 371, Baton Rouge 1, La.
421	Emul Corp.	100 Park Ave., New York 17, N. Y. (Baton Rouge, La., and Pasadena, Tex.)
411	Emul-Sun Chemical Co.	Midland, Mich. (Freeport, Tex.)
214	Emul Chemicals, Inc.	230 E. 4th St., New York 17 (Waterloo), N. Y.
264	Emul Chemical Co., Inc.	600 Ferry St., Newark 5, N. J.
62	Emul Co. Div., Cargill, Inc.	Rosslyn Ste., Carnegie, Pa.
377	Farley & Loebner Manufacturing Co.	7th and White Sts., Dubuque, Iowa.
53	Farrington, W. B., Estate of	Box 309, E. Greenview (Warwick), N. I.
412	Federal Color Laboratories, Inc.	4633 Forest Ave., Norwood 12, Ohio.
549	Felton Chemical Co., Inc.	599 Johnson Ave., Brooklyn 37, N. Y.
422	Ferro Chemical Corp.	450 Ariel Rd., Bedford, Ohio.
307	Ferro Chemical Corp.	P. O. Box 210, Mattawa (Cliffwood), N. J.
8	Fine Colors Co.	21-29 McBride Ave., Paterson 1, N. J.
546	Fine Organics, Inc.	211 E. 19th St., New York 3, N. Y. (Lodi, N. J.)
179	Firestone Tire & Rubber Co. (N. E.)	281 W. Vilbith Rd., Akron 1, Ohio.
392	Firestone Tire & Rubber Co., Firestone Plastics Div.	P. O. Box 680, Potomac, Pa.
120	Fluor Scientific Co., Eimer & Amend Div.	635 Greenwich St., New York 14, N. Y. (Edgewater, N. J.)
201	Fluorolith Laboratories, Inc.	1513 Olmstead Ave., New York 61, N. Y.

See footnote at end of table.

TABLE 27.—Synthetic organic chemicals: Directory of manufacturers, 1952.—Continued

No.	Name of company	Office address (location of plant given in parentheses if not in same city as office)
346	Ford Machinery & Chemical Corp.	Wino, W. Va.
43	Fine Bluff Chemical Co.	300 Niagara St., Middleport, N. Y. (Arsonal, Ark.)
399	Westvaco Chemical Div.	161 E. 42d St., New York 17, N. Y. (Burbank, Calif., and S. Charleston, W. Va.)
295	Ford Motor Corp.	3000 Schaefer Rd., Dearborn (Highland Park), Mich.
520	Forster Chemical Co., Inc.	1441 S. Malcom Blvd., Wichita 12, Kans.
9	Foster-Mason Co.	16 E. 5th St., Paterson 4, N. J.
397	Foster, Campbell & Darling, Inc.	Michigan Ave., Easton, N. J.
444	Fritzsche Bros., Inc.	271 Church St., New York 13, N. Y. (Bloomfield, N. J.)
92	Fritzsche Bros., Inc.	76 9th Ave., New York 11, N. Y. (Clifton, N. J.)
26	Fuller, W. F., & Co.	301 Mission St., San Francisco 10, Calif.
115	Fuller Chemical Corp.	801 2d Ave., New York 17 (Queens), N. Y.
527	Fuller Chemical Works, Inc.	230 E. 42d St., New York 17, N. Y. (Great Meadows, N. J.)
167	Fuller Co., Inc.	677 5th Ave., New York 22, N. Y. (Christstadt, N. J.)
438	General Aniline & Film Corp., General Aniline Works Div.	475 Hudson St., New York 14, N. Y. (Grassville, N. J., and Newburgh, N. Y.)
100	General Color Co., Inc.	24 Ave. B, Newark 2, N. J.
407	General Electric Co., Chemical Div.	1 Pission Ave., Pittsfield, Mass. (Amherst, Calif.; Pittsfield, Mass.; Schenectady and Waterford, N. Y.; and Conshohocken, Ohio)
142	General Foods Corp., Maxwell House Div.	1125 Hudson St., Hoboken, N. J.
393	General Mills, Inc.	400 2d Ave., S., Minneapolis 1, Minn.
33	General Motors Corp., AC Spark Plug Div.	1300 N. Dart Highway, Flint 2, Mich.
212	General Petroleum Corp.	P. O. Box 2122, Terminal Annex, Los Angeles 34, Calif.
140	General Tire & Rubber Co. (N. E.)	Baytown, Tex.
274	General Tire & Rubber Co.	Waynesburg, Ohio.
34	Genesee Research Corp.	961 Lyell Ave., Rochester 6, N. Y.
27	George, P. D., Co.	5200 N. 2d St., St. Louis 7, Mo.
114	Gilman Paint & Varnish Co.	216 W. 8th St., Chattanooga 1, Tenn.
413	Givaudan Corp.	109-201 Delmonico Ave., Delmonico, N. J.
423	Givaudan Co.	11001 Madison Ave., Cleveland 2, Ohio (San Francisco, Calif.; Jacksonville, Fla.; Chicago, Ill.; Minneapolis, Minn.; Cleveland, Ohio; and Reading, Pa.)
192	Glyco Products Co., Inc.	26 Court St., Brooklyn 2, N. Y. (Williamport, Pa.)
320	Goodrich, B. F., Chemical Co. Div. (N. E.)	324 Ross Bldg., Cleveland 15, Ohio (Part Wayne, Tex., and Institute, W. Va.)
448	Goodrich, B. F., Chemical Co. Div.	Rose Bldg., 2040 E. 9th St., Cleveland 15, Ohio (Louisville, Ky.; Niagara Falls, N. Y.; and Akron and Avon Lake Villages, Ohio)
369	Goodyear Tire & Rubber Co.	1144 E. Market St., Akron 16, Ohio.
503	Grand Rapids Varnish Corp.	1390 Steele Ave., SW., Grand Rapids 2, Mich.
394	Greenwood Textile Supply Co.	27 Meador St., Appomattox, N. C.
166	Griffin Chemical Co.	1000 16th St., San Francisco 7 (Richmond), Calif.
1	Gulf Oil Corp.	Gulf Bldg., Pittsburgh 37, Pa.
47	Guyon Color & Chemical Works	Box 1046, Huntington, W. Va.
185	Guyon Products Co. of Illinois	P. O. Box 346, Wilmington 99, Del.
330	Guyon Color & Chemical Co.	2145 W. 67th St., Chicago 26, Ill.
301	Guyon Industrial Finishes Co.	5 Albany St., Springfield 1, Mass.
307	Harbor Plywood Corp.	93 W. Long St., Columbus 15, Ohio.
445	Hardesty Chemical Co., Inc.	Box 940, Aberdeen, Wash.
341	Harmon Color Works, Div. of the B. F. Goodrich Co.	43 E. 42d St., New York 17, N. Y. (Dover, Ohio).
528	Harsh Chemical Co.	P. O. Box 14, Hartsville (Holland), N. J.
370	Harsh Chemicals, Inc.	1945 E. 97th St., Cleveland 8, Ohio (Gloucester City, N. J.)
484	Hart Products Corp.	397 W. 21st St., Holland, Mich.
30	Hartman-Ledon Co.	1440 Broadway, New York 18, N. Y. (Jersey City, N. J.)
161	Harsco Powder Co.	5621 Market St., Philadelphia 39, Pa.
179	Harsco & Chemical Co.	900 Market St., Wilmington 97, Del. (Savannah, Ga.; Mansfield, Mass.; Mattitohung, Wis.; Burlington, and Paris, N. J.; and Hopewell, Va.)
343	Harsco Laboratories, Inc.	622 S. 14th St., Mantoloking, N. J.
481	Harsco Chemical Corp.	3536 Peartree Ave., New York 49, N. Y.
425	Harsco-Lafayette, Inc.	342 Madison Ave., New York 17, N. Y. (Fords, Garfield, and Princeton, N. J.)
414	Holland Color & Chemical Co.	324-324 Ringelnd Rd., Watley 10, N. J.
426	Hooper-Detroit, Inc.	Holland, Mich.
427	Hooper Electrochemical Co.	Buffalo Ave. & 47th St., Niagara Falls, N. Y. (Ashtabula, Ohio, and Youngs, Wash.)
130	Houghton, E. F., & Co.	Buffalo Ave. & 47th St., Niagara Falls, N. Y.
428	Houghton, E. F., & Co., Inc.	303 W. Lehigh Ave., Philadelphia 33, Pa.
429	Humble Oil & Refining Co.	239 Medford St., Midland 48, Texas
552	Humble Oil & Refining Co. (N. E.)	P. O. Box 2180, Houston 1 (Baytown), Tex.
547	Humphrey-Wilkinson, Inc.	P. O. Box 4321, Baytown, Tex.
207	Huron Milling Co.	DuVine St., North Haven, Conn.
380	Hymac, Julius, & Co.	9 Park Pl., New York 7, N. Y. (Harbor Beach, Mich.)
69	Hysam, Vestcott & Dunning, Inc.	P. O. Box 2173, Denver 1, Colo.
		1030 N. Charles St., Baltimore 1, Md.

See footnote at end of table.







**2.4-Dichlorophenoxyacetic acid (2,4-D) and related compounds**

- California Spray Chemical Co.- Lucas and Ortho Way, Richmond 4, CA
- E.I. Dupont de Nemours & Co. - NJ locations include; Carneys Point, New Brunswick, Perth Amboy, Newark, Gibbstown, Arlington, Deepwater, Grasselli and Parin. Additional out-of-state locations are listed.
- Monsanto Chemical Co. - 800 N. 12th Blvd., St. Louis 1, MO. Additional locations are listed, none of which exist within the state of NJ.

**2.4.5-Trichlorophenoxyacetic acid (TCP) and related compounds**

- Berkeley Chemical Corp. - Summit Avenue, Berkeley Heights, NJ
- California Spray Chemical Co.- Lucas and Ortho Way, Richmond 4, CA
- Diamond Alkali Organic Chemicals Div., Inc. - 80 Lister Ave., Newark 5, NJ
- Dow Chemical Co. - Midland, MI. Additional locations are listed, none of which exist within the state of NJ.
- Ethyl Corp. - 100 Park Avenue, New York 17, NY. Additional locations are listed, none of which exist within the state of NJ.
- Monsanto Chemical Co. - 800 N. 12th Blvd., St. Louis 1, MO. Additional locations are listed, none of which exist within the state of NJ.
- Pittsburgh Coke and Chemical Co. - Grant Bldg., Pittsburgh 19 (Neville Island), PA
- Pittsburgh Plate Glass Co. - Newark, NJ. Additional out-of-state locations are listed.
- Riverdale Chemical Co. - 324 E. 147th St., Harvey (Dolton), IL
- Rohm & Haas Co. - 222 W. Washington Sq., Philadelphia 5, PA
- Thompson Chemical Corp. - 3028 Locust St., St. Louis 3, MO.
- Westville Laboratories - Stepney, CT

\* UNDERLINED MANUFACTURERS REPORTED FACILITIES WITHIN THE STATE OF NEW JERSEY



TABLE 133.—*Basic organic chemicals: Pesticides and other organic agricultural chemicals for which United States production or sales were reported, identified by manufacturer, 1953.—Continued*

Product	Manufacturers' identification numbers (according to list in table 27)
<b>PESTICIDES AND OTHER ORGANIC AGRICULTURAL CHEMICALS, CYCLIC—Continued</b>	
<b>*Herbicides and plant hormones—Continued</b>	
Phenoxycetic acid, salts and derivatives—Com.	
*2,4-Dichlorophenoxyacetic acid salts—Continued	
2,4-Dichlorophenoxyacetic acid, isopropylamide salt	177.
2,4-Dichlorophenoxyacetic acid, sodium salt	245.
2,4-Dichlorophenoxyacetic acid, triethanolamide salt	177, 333.
*2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)	245, 363, 391, 426, 448, 456, 494, 594.
*2,4,5-Trichlorophenoxyacetic acid derivatives:	
Amg 2,4,5-trichlorophenoxyacetate	59.
Butoxyethanol 2,4,5-trichlorophenoxyacetate	426, 448.
n-Butyl 2,4,5-trichlorophenoxyacetate	448, 456, 493, 517, 594.
iso-octyl 2,4,5-trichlorophenoxyacetate	456, 517.
isopropyl 2,4,5-trichlorophenoxyacetate	177, 245, 456, 517, 594.
Tetrahydrofurfuryl 2,4,5-trichlorophenoxyacetate	177, 493.
*Ethyl mercuric acetate	211, 325, 597.
2,4,5-Trichlorophenoxypropionic acid	271, 363, 494.
<b>*Insecticides:</b>	
Aldrin (Hexachlorocyclopentadienehexahydro-1,3-dioxin)	474.
Allotrin (Allyl homolog of Cisarin I)	343, 443, 600.
Benzyl thioacetate	338.
1,1-Bis(p-chlorophenyl)-2-nitroethane	367.
1,1-Bis(p-chlorophenyl)-2-nitropropane	367.
2-(p-tert-butylphenoxy)isopropyl-2-chloroethyl sulfite	378.
Chlordane (1,2,4,6,7,8-ortochloro-4,7-methano-3a,4,7,7a-tetrahydronaphthalene)	311.
p-Chlorophenyl p-chlorobenzenesulfonate	448, 594.
2-Cylohexyl-4,6-dinitrophenol	448.
1,2-Dibromethylbenzene (Styrene dihalide)	448.
1,1-Dichloro-2,2-bis(p-chlorophenyl)ethane (DD)	493, 504.
1,1-Dichloro-2,2-bis(p-ethylphenyl)ethane	493.
2,4-Dichlorophenyl benzenesulfonate	304.
Dieldrin (Hexachlorocyclopentadienehexahydro-1,3-dioxin)	474.
Dinitro-orthoethyl crotonate	493.
4,6-Dinitro-o-cresol (DNOC)	3.
4,6-Dinitro-o-cresol, sodium salt	3.
Deslin (Hexachlorocyclopentadienehexahydro-1,3-dioxin)	474.
Ethyl p-nitrophenyl thionobenzenesulfonate (EPN)	333.
Heptachlor (Heptachlorocyclo-4,7-methanonaphthalene)	311.
Hexachlorocyclopentadiene (Benzene hexachloride)	161, 217, 273, 331, 333, 338, 345, 367, 391, 426, 430, 456, 504, 574, 594.
Lindane	338, 304, 574, 594.
Orthoethylthioacetate	565.
Parathion (O,O-Diethyl O-(p-nitrophenyl) thiophosphate)	245, 456, 464.
Thionit (Isobutyl thioacetate)	222, 281.
Tarphene (Chlorinated camphene)	222.
*1,1,1-Trichloro-2,2-bis(p-chlorophenyl)ethane (DDE)	51, 139, 181, 245, 273, 333, 390, 492, 493, 495, 504, 594.
1,1,1-Trichloro-2,2-bis(p-methoxyphenyl)ethane (Methoxychlor) (Methoxy DDT)	333.
<b>*Rodenticides:</b>	
1-(1-Naphthyl)-2-thiourea	476.
2-Pivalyl-1,3-indandione	599.
Warfarin (3-(Acetyltolonyl)-4-hydroxycoumarin)	600, 2.
<b>PESTICIDES AND OTHER ORGANIC AGRICULTURAL CHEMICALS, ACYCLIC</b>	
<b>*Fungicides:</b>	
*Bromochloro (Methyl bromide)	181, 359, 448.
Chloropicrin	173.
1,2-Dichloropropane	249.
Dichloropropane-dichloropropane (D-D mixture)	236.
<b>*Fungicides and seed disinfectants:</b>	
Cadmium succinate	231.
Copper ethylsulfate	561.
Copper hexafluorantate (Copper undecylate)	494, 591.
Dimethyldithiocarbamic acid, ferric salt (Ferban)	211, 333, 476.
Dimethyldithiocarbamic acid, sodium salt	137, 211, 364, 396, 580.
Dimethyldithiocarbamic acid, zinc salt (Zinc)	211, 245, 333, 364, 378, 396, 580.

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TABLE 134.—*Synthetic organic chemicals: Pesticides and other organic agricultural chemicals for which United States production or sales were reported, identified by manufacturer, 1953.—Continued*

Product	Manufacturers' identification numbers (according to list in table 27)
<b>PESTICIDES AND OTHER ORGANIC AGRICULTURAL CHEMICALS, ACYCLIC—Continued</b>	
<b>*Fungicides and seed disinfectants—Continued</b>	
Ethyl mercuric acetate	333.
Ethyl mercuric chloride	333.
Ethyl mercuric hydroxide	333.
Ethyl mercuric phosphate	333.
Ethylenebis(dithiocarbamic acid), manganese salt	333.
Ethylenebis(dithiocarbamic acid), sodium salt (Neban)	333, 493.
Ethylenebis(dithiocarbamic acid), zinc salt (Zinc)	333, 493.
Methylmercuric acetate	211.
Methylmercuric hydroxide	599.
Sodium hexafluorantate (Sodium undecylate)	494.
Tetraiodoethylene	513.
Zinc hexafluorantate (Zinc undecylate)	313, 494.
All other	563.
<b>*Herbicides:</b>	
Diethyl dithiobis(thioacetate)	245.
Trichloroacetic acid	448, 504.
Trichloroacetic acid, sodium salt	245, 338, 448.
<b>*Insecticides:</b>	
Aliphatic thioacetate	493.
S-(1,2-Dicarbonylthioethyl) O,O-dimethyl dithiophosphate (Malathion)	464.
<b>*Molluscicides:</b>	
Octamethyl pyrophosphoramide (OPM)	367.
Tetraethyl dithionopyrophosphate	245.
Tetraethyl pyrophosphate (TEPP)	245, 476.
<b>*Rodenticides: Sodium fluoracetate</b>	
Soil conditioners:	177, 208, 245, 312, 345, 359, 476.
Methylvinyl ether-maleic anhydride half-acid copolymer	2.
Polycrylonitrile, hydrolyzed, sodium salt	266, 464.
Vinyl acetate-maleic acid, modified	245.

## Directory of Manufacturers

The Directory of Manufacturers lists the companies that report their production of synthetic organic chemicals to the United States Tariff Commission. The name of each manufacturer is preceded by an identification number.

For 1953, the Directory of Manufacturers lists 608 companies (see table 27). This is 17 more than the number that reported for 1952. Some of the companies that report production of synthetic organic chemicals consume their entire output in further manufacturing.

The Directory of Manufacturers lists the companies in two ways. Section I lists them in numerical order, the identification number for each company having been assigned in the order in which the Tariff Commission received the company's reporting schedule. This system makes it unnecessary to wait until all the schedules are returned before assigning the identification numbers, and greatly speeds the preparation of the tables in part III. Section 2 lists the companies in alphabetical order.

### SECTION I. NUMERICAL DIRECTORY

[Names of synthetic organic chemical manufacturers who reported production or sales to the United States Tariff Commission for 1953 are listed below in the order of their identification numbers as used in tables in part III. Section 2 of this table lists these manufacturers alphabetically and gives their offices and plant addresses.]

No.	Name of company	No.	Name of company
1	Balay Chemical Co.	74	Amul Chemical Co.
2	Guyon Color & Chemical Works.	75	City Chemical Corp.
3	Standard Agricultural Chemicals, Inc.	76	Dye Specialties Corp., Inc.
4	Witte, John H., & Sons.	77	American Laboratories, Inc.
5	Drug Processors, Inc.	78	Polychemical Co.
6	Actra Pharmaceutical Products, Inc.	79	Stamard-Tech Chemicals, Inc.
7	Marivan-Leddon Co.	80	Siddall, George F., Co., Inc.
8	Knoeller Chemical Co.	81	Sonneborn, L., Sons, Inc.
9	LaMotte Chemical Products Co.	82	American Viscose Corp. (Sylvania Div.).
10	Nilol Chemicals, Inc.	83	Atlas Wall Paper Mills, Inc.
11	Frughiacapsle Dyestuff Corp.	84	Cargill, Inc. (Path Div.).
12	Foster-Morton Co.	85	General Motors Corp. (AC Spark Plug Div.).
13	Group, F. D., Co.	86	Marbuck, W. C. Co., Inc.
14	Harco, Inc.	87	Kohlsaat, W., & Co., Inc.
15	Metro-Alkane, Inc.	88	Magalloway Petroleum Co.
16	Standard Soap Co. of Camden.	89	Mayer, J., & Sons.
17	Southern Textile Chemical Corp.	90	McLean Bitume Products Co. (R. R.). <sup>1</sup>
18	Dakota Brigsels & Tar Products, Inc.	91	Reliance Varnish Co., Inc.
19	Marathon Corp. (Chemical Div.).	92	Vita-Vac Corp.
20	Red Spot Paint & Varnish Corp.	93	Bird & Son, Inc.
21	Synthetic Products Co.	94	Namie Oil & Refining Co. (R. R.). <sup>1</sup>
22	United States Procaine Co., Inc.	95	Modene Paint Co., Inc.
23	Armour & Co. (Chemical Div.).	96	Horvath Paint Co.
24	Commonwealth Color & Chemical Co.	97	Richardson Co.
25	Crowmell Chemical Co., Inc.	98	Selro Chemical Corp.
26	Ironoxide Co.	99	Standard Brands, Inc.
27	Purocaine, Inc.	100	American Alcolac Corp.
28	Dr. Seibert's Laboratories.	101	Arapahoe Chemicals, Inc., & Arapahoe Special Products, Inc.
29	Waterloom Manufacturing Co.	102	Cadet Chemical Corp.
30	American Marietta Co.	103	California Ink Co., Inc.
31	Atlas Processing Co.	104	Citro Chemical Co.
32	Armstrong Corl. Co.	105	Copolymer Corp. (R. R.). <sup>1</sup>
33	Elizabethtown Consolidated Gas Co.	106	Crosby Chemicals, Inc.
34	Mane Paint Manufacturing Co. (Industrial Div.).	107	Crown Tar & Chemical Works, Inc.
35	Harbor Plywood Corp.	108	El Dorado Oil Works.
36	Kennecott Copper Corp. (China Mines Div.).	109	Griffin Chemical Co.
37	Mardon-Wild Corp.	110	McGean Chemical Co.
38	Mineral Oil Refining Co.	111	Marbon Corp.
39	Parsons, M. W., Plymouth, Inc.	112	Marlone-Van Loan Corp.
40	Rubber Corp. of America.	113	Peerieco Chemical Co.
41	U. S. Plastic Products Corp.	114	Peerless Color Co., Inc.
42	Van Camp Laboratories, Div. of Van Camp Food Co., Inc.	115	Thuelis Oil Co.
43	Sipe, James B., & Co.	116	Schenley Laboratories, Inc.
44	American Marietta Co. (Ferber-Schormdorfer Co. Div.).	117	Fiber Chemical Corp.
45	Cabot, Samuel, Inc.	118	Continental-Diamond Fibre Co.
46	Organics, Inc.	119	Hars, Rex, Color & Chemical Co.
47	Ortho Chemical Corp.	120	Schwanstady Varnish Co., Inc.
48	Scholler Bros., Inc.	121	Belle Allali Co.
49	Advance Paint Co.	122	Bio-Process Co., Div. of Armour & Co.
50	American Viscose Corp.	123	Carlisle Chemical Works, Inc.
51	California Chemical Co.	124	Farley & Lowther Manufacturing Co.
52	Kahn-Bradley Co.	125	Firacure Tire & Rubber Co. (R. R.). <sup>1</sup>
53	Northwest Chemical Co.	126	Ryanon, Westcott & Dunning, Inc.
54	Suiff & Co.	127	Kyanite Paints, Inc.
55	Thompson Chemicals Corp.	128	Food Machinery & Chemical Corp. (Ohio-Ages Div.).
56	Chemico, Inc.	129	Novich Pharmacal Co.
57	Russell, A. F., Co.	130	Whittmore-Wright Co., Inc.
58	Apex Chemical Co., Inc.	131	Jover-Dalme, Co., Div. of Duvac & Raymond Co., Inc.
59	Atomic Basic Chemicals Corp.	132	Gamma Chemical Corp.
60	Chaffardon, J.	133	Falremont Chemical Co., Inc.
61	Coopers Crank Chemical Corp.	134	Pennsylvania Industrial Chemical Corp.
62	Dow Chemical Co. (Styrene Div.). (R. R.). <sup>1</sup>	135	Shepherd Chemical Co.
63	Keystone Color Works, Inc.	136	White & Hodges, Inc.
64	Keystone Paint & Varnish Corp.	137	General Tire & Rubber Co. (Chemical Div.).
65	Laurel Soap Manufacturing Co., Inc.	138	Minnesota Paints, Inc.
66	Jung, Chas. H., Jr., Co.	139	Pine Bluff Chemical Co., subsidiary of Food Machinery & Chemical Corp.
67	Marlotte Corp.	140	Amalgamated Chemical Corp.
68	Metro Dyestuff Corp.	141	Bony Resinors, Inc.
69	Raybestos Div. of Raybestos-Manhattan, Inc.	142	Delaware Chemicals, Inc.
70	Sonoco Products Co.	143	Hall Manufacturing Co.
71	Spaulding Fibre Co., Inc.	144	Montclair Research Corp.
72	Spencer Chemical Co.	145	Niagara Allali Co.
73	Edison, Thomas A., Inc. (Medical Gas Div.).		

See footnote at end of table.





TABLE 27.--Synthetic organic chemicals: Directory of manufacturers, 1953--Continued

Table with 3 columns: No., Name of company, Office address (location of plant given in parentheses if not in same city as office). Rows include companies like Alameda Basic Chemicals Corp., Amalgam Chemical Co., Baker Carbon Oil Co., etc.

See footnote at end of table.

TABLE 27.--Synthetic organic chemicals: Directory of manufacturers, 1953--Continued

Table with 3 columns: No., Name of company, Office address (location of plant given in parentheses if not in same city as office). Rows include companies like Commercial Solvents Corp., Commonwealth Color & Chemical Co., Continental-Diamond Fibre Co., etc.

See footnote at end of table.









No.	Name of company	Office address (location of plant given in parentheses if not in same city as office)
310	United Pince Dye Works	Nicholson St., Lodi, N. J.
443	U. S. Industrial Chemicals Co., Div. of National Distillers Products Corp.	120 Broadway, New York 20, N. Y. (Pensacola, Fla.; New Orleans, La.; Baltimore, Md.; and Newark, N. J.).
407	U. S. Oil Co.	Box 1345; Providence (Phillipsdale), R. I.
377	United States Pipe & Foundry Co.	P.O. Box 2651, Birmingham, Ala.
41	U. S. Plastic Products Corp.	Lake & Whitman Aves., Metuchen, N. J.
22	United States Process Co., Inc.	15-29 129th St., College Point, N. Y.
378	U. S. Rubber Co., Houghton Chemical Div.	1230 Ave. of the Americas, New York 20, N. Y. (Houghton, Conn.).
146	U. S. Rubber Co. (N. S.) <sup>1</sup>	1230 Ave. of the Americas, New York 20, N. Y. (Houghton, Conn., and Port Neches, Tex.).
399	Universal Detergents, Inc.	1825 E. Spring St., Long Beach 6, Calif.
197	Upjohn Co.	301 Henrietta St., Kalamazoo 99, Mich.
393	Valpar Corp., Valentine & Co. Div.	11 E. Main St., New York 16 (Brooklyn), N. Y.
451	van Ameringen-Buehler, Inc.	521 W. 97th St., New York 19, N. Y. (Elizabeth and Union Beach, N. J.).
42	Van Camp Laboratories, Div. of Van Camp Sea Food Co., Inc.	772 Tuna St., Terminal Island, Calif.
234	Vanderbilt Chemical Corp.	230 Park Ave., New York 17, N. Y. (Bethel, Conn.).
259	Van Dyk & Co., Inc.	11 William St., Belleville 9, N. J.
408	Vercum Chemical Corp.	P.O. Box 476, Niagara Falls, N. Y.
311	Versteel Corp., Div. of Arvey Corp.	330 E. Grand Ave., Chicago 11, Ill. (Marshall, Ill., and Memphis, Tenn.).
311	Verley Chemical Co., Inc.	200 Pulaski St., Newark 5, N. J.
440	Verona Chemical Co.	26 Verona Ave., Newark 4, N. J.
208	Veter Chemical Works	141 W. Jackson Blvd., Chicago 6, Ill.
312	Virginia-Carolina Chemical Corp.	401 E. Main St., Richmond 5, Va. (Charleston, S. C.).
448	Vitacore, Inc.	809 W. 58th St., Chicago 21, Ill.
92	Vitacore Corp.	10 Commerce Ct., Newark 2, N. J.
113	Wallace & Tiemann, Inc.	25 Main St., Belleville 9, N. J.
137	Luicid Div.	1740 Military Rd., Buffalo 5, N. Y.
322	Warner-Johnson Manufacturing Co.	2526 Baldwin St., St. Louis 8, Mo.
409	Webb, T. F., Co.	2264 Niston Ave., Chicago 18, Ill.
29	Westport Manufacturing Co.	127 Echo Lake Rd., Westport, Conn.
396	Weston-Park Co.	Box 158, Ballard Falls, Mass.
280	Werner Drug & Chemical Co.	799 Beechwood Ave., Cincinnati 32, Ohio.
216	Western Combusting Co.	P.O. Box 799, Appleton (Adell), Wis.
410	Western Dry Color Co.	600 W. 52d St., Chicago 9, Ill.
147	Westinghouse Electric Corp.	401 Liberty Ave., P.O. Box 2276, Pittsburgh 30 (East Pittsburgh), Pa.
363	Westville Laboratories	Stepney, Conn.
173	Wetherill, George D., Varuich Co.	Haddon Ave. & White Horse Pike, Camden 3, N. J.
207	Wheeler, Reynolds & Stauffer	636 California St., San Francisco 6 (Richmond), Calif.
356	White & Bagley Co.	100 Foster St., Worcester 6, Mass.
136	White & Rodgers, Inc.	2 Wellington Ave., Everett 49, Mass.
130	Whittmore-Wright Co., Inc.	62 Alfred St., Charlestown 29, Mass.
162	Whittier Laboratories	919 W. Michigan Ave., Chicago 11, Ill.
361	Wicon Co., Inc.	P.O. Box 506, Charlotte 1, N. C.
148	Wilson & Casaday, Inc.	108-112 Provenet St., Brooklyn 22, N. Y.
416	Wilson Laboratories	4221 S. Western Ave., Chicago 9, Ill.
248	Wilson Organic Chemicals, Inc.	P.O. Box 452, Sayreville, N. J.
379	Winthrop-Stearns, Inc.	1430 Broadway, New York 18 (Rensselaer), N. Y.
314	Witco Chemical Co.	260 Madison Ave., New York 16, N. Y. (Chicago, Ill., and Brooklyn, N. Y.).
4	Witte, John W., & Sons	206 Jefferson St., Burlington, Iowa.
429	Wolf, Jaeger, & Co.	330 Lexington Ave., Clifton (Carlstadt), N. J.
447	Wolff-Alpert Chemical Corp.	1127 Irving Ave., Brooklyn 27, N. Y.
349	Wyandotte Chemicals Corp.	1409 Biddle Ave., Wyandotte, Mich.
364	Wyeth Laboratories, Inc.	1401 Walnut St., Philadelphia 2, Pa. (Chicago, Ill., and Philadelphia and West Chester, Pa.).
421	Young Aniline Works, Inc.	2731 Boston St., Baltimore 24, Md.
424	Zincoor & Co., Inc.	Hastings-on-Hudson 6, N. Y.
269	Zura, G. F., Co.	2736 N. Broad St., Philadelphia 32, Pa.

<sup>1</sup> N. S. in parentheses following the name of a company indicates U. S. Government plant operated for the Office of Rubber Reserve.

## APPENDIX

## A. United States Imports of Coal-Tar Intermediates and Finished Coal-Tar Products

Table 28 summarizes, for the period 1951-53, United States imports of coal-tar products dutiable under paragraphs 27 and 28 of the Tariff Act of 1930. The data, which were obtained by analyzing invoices covering imports through all United States customs districts, are given in detail in a separate report of the Tariff Commission.<sup>1</sup>

Imports in 1953 of coal-tar chemicals entered under paragraph 27, virtually all of which are intermediates, totaled 22.3 million pounds, with a foreign invoice value of 5.4 million dollars. Imports of these products were 3.0 million pounds, valued at 1.7 million dollars, in 1952, and 8.5 million pounds, valued at 2.2 million dollars, in 1951. The very large increase in the quantity of imports in 1953, compared with 1951 and 1952, was due primarily to greatly increased imports of phthalic anhydride, and to substantial imports of many other low-priced basic intermediates. More than half of all imports of intermediates in 1953 came from Germany and the United Kingdom. Imports from Germany totaled 7.7 million pounds in 1953, compared with 1.4 million pounds in 1952; imports from the United Kingdom were 4.9 million pounds in 1953, compared with 629,000 pounds in 1952. In 1953 sizable quantities of intermediates were also imported from Italy, France, Belgium, the Netherlands, Japan, Switzerland, and Canada; lesser quantities came from Denmark, Sweden, Australia, and Mexico. In terms of quantity, the three most important intermediates imported in 1953 were phthalic anhydride, naphthalene, and anthraquinone. Imports of phthalic anhydride totaled 16.7 million pounds and came from Germany, the United Kingdom, Italy, France, Belgium, the Netherlands, Japan, Switzerland, and Denmark. Imports of refined naphthalene, which totaled 1.1 million pounds, came from the Netherlands, Germany, Belgium, and the United Kingdom; imports of anthraquinone, which totaled 732,000 pounds, came chiefly from the United Kingdom, France, and Germany.

In 1953 the imports of all finished coal-tar products that are dutiable under paragraph 28 totaled 3.4 million pounds (actual weight), with a foreign invoice value of 6.9 million dollars. In 1952, imports totaled 4.5 million pounds, with a foreign invoice value of 6.9 million dollars, and in 1951, 4.4 million pounds, valued at 7.3 million dollars. It should be noted that the data for 1953 are based on general imports, whereas the data for 1951 and 1952 are based on imports for consumption. The differences between general imports and imports for consumption are small, so that the figures for the 3 years are quite comparable.

<sup>1</sup> U. S. Tariff Commission, *Imports of Coal-Tar Products, 1953* [processed].



**2.4-Dichlorophenoxyacetic acid (2,4-D) and related compounds**

- Diamond Alkali Organic Chemicals Div., Inc. - 80 Lister Ave., Newark 5, NJ
- Dow Chemical Co. - Midland, MI. Additional locations are listed, none of which exist within the state of NJ.
- Monsanto Chemical Co. - Camden, NJ. Additional out-of-state locations are listed.
- Pittsburgh Coke and Chemical Co. - Pittsburgh 25, PA  
Fine Chemicals Division - Grant Bldg., Pittsburgh 19, PA
- Pittsburgh Plate Glass Co. - Newark, NJ. Additional out-of-state locations are listed.
- Rohm & Haas Co. - 222 W. Washington Sq., Philadelphia 5, PA
- Thompson Chemical Corp. - 3028 Locust St., St. Louis 3, MO.

**2.4.5-Trichlorophenol and related compounds**

- Diamond Alkali Organic Chemicals Div., Inc. - 80 Lister Ave., Newark 5, NJ
- Dow Chemical Co. - Midland, MI. Additional locations are listed, none of which exist within the state of NJ.
- Hooker Electrochemical Co. - Buffalo Avenue & 47th St., Niagara Falls, NY
- General Aniline & Film Corp., Dyestuff & Chemical Division - P.O. Box 12, Linden, NJ and Rensselaer, NY
- Monsanto Chemical Co. - Camden, NJ. Additional out-of-state locations are listed.
- Olin Mathieson Chemical Corp. - 10 Light St., Baltimore 3, MD. Additional locations are listed, none of which exist within the state of NJ.
- Pittsburgh Coke and Chemical Co. - Pittsburgh 25, PA  
Fine Chemicals Division - Grant Bldg., Pittsburgh 19, PA

\* UNDERLINED MANUFACTURERS REPORTED FACILITIES WITHIN THE STATE OF NEW JERSEY

Pesticides and Other Organic Agricultural Chemicals

TABLE 29--Synthetic organic chemicals: Pesticides and other organic agricultural chemicals for which United States production or sales were reported, identified by manufacturer, 1934

[Pesticides and other organic agricultural chemicals for which separate statistics are given in table 23B are marked below with an asterisk (\*); products not so marked do not appear in table 23B because the reported data are accepted in confidence and may not be published. Manufacturers' identification numbers shown below are taken from table 27, and X signifies that the manufacturer did not consent to the publication of his identification number with the designated product.]

Chemical	Manufacturers' identification numbers (according to list in table 27)
<b>SURFACE-ACTIVE AGENTS, CATIONIC--Continued</b>	
Sulfated and sulfonated acrylate surface-active agents--Continued	
Sulfated and sulfonated: Cationic oil emulsifier of monoethanolamine, sulfated, sodium salt	481.
Cocumyl oil emulsifier of isopropylamine, sulfated, sodium salt	170, 182.
Cocumyl oil emulsifier of monoethanolamine, sulfated, potassium salt	112, 171, 326, 445.
Cocumyl oil emulsifier of monoethanolamine, sulfated, sodium salt	47, 77, 170, 171, 182, 239, 321, 481, 595.
N-(2-Hydroxyethyl)oleamide, sulfated (Oleic acid ethanolate sulfate), sodium salt	345, 388.
N-(2-Hydroxyethyl)stearamide, sulfated (Stearic acid ethanolate sulfate), sodium salt	445.
Lauric acid ester of potassium sulfonate-ethanolamide	458.
Laurylamineethyl sulfate, sodium salt	90.
N-Ethylisopropylamine, sodium salt	47, 109, 170, 321, 326, 384, 445, 462.
N-Propylisopropylamine, sodium salt	384.
N-Butylisopropylamine, sodium salt	458.
N-Octylisopropylamine, sodium salt	77, 445.
N-Octadecylsulfonamide, disodium salt	466.
Dlauryl isopropylamine sulfate, ethanolate salt	466.
N-(Dilauryl)isopropylamine sulfate, ethanolate salt	458.
Tallow fatty acid, N-ethylamine salt	456.
Oils, fats, and waxes, sulfated and sulfonated: Animal fats and oils, sulfated and sulfonated: Grease other than wool grease, sulfated: Hard oil, sulfonated: Wax's-foot oil, sulfonated	364.
Dioctylamine, sulfonated	302, 227, 308, 591.
Tallow, sulfonated	27, 77, 227, 481, 591, 593.
Wool grease, sulfonated	25, 37, 59, 77, 89, 102, 221, 227, 307, 308, 445, 498.
Fish and marine animal oils, sulfated and sulfonated:	
Cod oil, sulfonated	20, 26, 47, 96, 99, 94, 102, 109, 182, 227, 239, 321, 326, 330, 345, 360, 369, 370, 373, 387, 388, 445, 465, 466, 482, 498, 533, 533, 593, 102, 227.
Herring oil, sulfonated	27, 37, 61, 89, 102, 234, 307, 308, 445, 482, 498, 509, 533, 591, 593.
Mixed fish oils, sulfonated	102, 308, 462, 498, 591.
Spermaceti oil, sulfonated	102, 308, 462, 591.
Tall oil, sulfonated	37, 61, 89, 102, 112, 182, 212, 221, 227, 239, 256, 326, 387, 388, 402, 445, 466, 482, 498, 509, 598, 593.
Vegetable oils, sulfated and sulfonated: Castor oil, sulfonated	77, 182, 221, 321, 359, 369, 466, 498, 533.
Cocumyl oil, sulfonated	20, 21, 35, 37, 38, 47, 58, 59, 67, 77, 89, 102, 131, 171, 312, 221, 227, 239, 254, 321, 326, 330, 334, 345, 359, 360, 369, 370, 384, 387, 388, 438, 441, 445, 465, 466, 482, 482, 498, 505, 533, 537, 533, 571, 591, 593.
Cottonseed oil, sulfonated	26, 59, 61, 167, 388, 402, 466, 490.
Lined oil, sulfonated	388, 465, 466, 571, 593.
Mustard-seed oil, sulfonated	388.
Olive oil, sulfonated	387.
Palm-burnel oil, sulfonated	387, 388, 571.
Peanut oil, sulfonated	399, 445.
Rapeseed oil, sulfonated	61.
Rice-bran oil, sulfonated	20, 26, 67, 330, 345, 373, 387, 388, 402, 466.
Rice-bran-oil foams, sulfonated	182.
Soybean oil, sulfonated	182, 321, 326, 330, 388, 445, 482, 593.
All other oils, fats, and waxes, sulfated and sulfonated:	
Japan wax, synthetic, sulfonated	102, 212, 221, 239, 326, 387, 482.
Rocawax grease, sulfonated	47.
Petroleum aliphatic compounds, sulfated and sulfonated: Petroleum sulfonate, sodium salt	37, 102, 498. 346, 537.

Chemical	Manufacturers' identification numbers (according to list in table 27)
<b>PESTICIDES AND OTHER ORGANIC AGRICULTURAL CHEMICALS, CYCLIC</b>	
Organotin and lead diisofactants:	
Aerolain 8-quinolinate (Aerolain 8-hydroxyquinoline)	309.
Caryon (N-(Trichloroethylthio)-4-cyclohexene-1,2-dithiocarbamate)	304, 303.
Chloroal (Tetrachloro-p-quinone)	477.
D-Dichloro-4-(hydroxymercurio)phenol	537.
Dibromo (2,3-Dichloro-1,4-naphthoquinone)	477.
1,3-Dimethyltetrahydro-3,5-thiadiazine-2-thione	107.
2-(Ethylmercurio)-p-toluensulfonamide	537.
Glycidic (2-Septadecyl-2-imidazole acetate)	362.
4-(Hydroxymercurio)-2-nitrophenol	337.
Sulfathiazole acid, copper salt	83, 99, 128, 136, 256, 275, 326, 457, 470, 519, 564.
Pentachlorophenol	328, 333, 489.
Pentachlorophenol, sodium salt	328, 333.
Phenylamine sodium diisolate	473.
p-Phenyl-p-cresol (p-Benzophenol)	141.
Phenyl mercuric formate	473.
Phenyl mercuric hydrazide	233, 309.
Phenyl mercuric lactate	309, 473.
Phenyl mercuric monoethanolamine acetate	473.
Phenyl mercuric naphthoate	99, 233, 309.
Phenyl mercuric silicate	99, 233, 409, 537.
Phenyl mercuric 8-quinolinate	409.
Phenyl mercuric propionate	309.
Phenyl mercuric triethanolamine lactate	473.
Phenyl mercuric urea	233.
2,3,4,6-Tetrachlorophenol	40, 99, 208.
2,4,5-Trichlorophenol	335.
2,4,5-Trichlorophenol, ethanolate salt	335, 345, 430, 548.
2,4,5-Trichlorophenol, sodium salt	384.
2,4,6-Trichlorophenol	208, 235, 309.
2,4,6-Trichlorophenol, potassium salt	335.
2,4,6-Trichlorophenol, potassium salt	410.
Carbicides and plant hormones:	
2-sec-Butyl-4,6-dinitrophenol	86.
2-sec-Butyl-4,6-dinitrophenol	335.
2-sec-Butyl-4,6-dinitrophenol, triethanolamine salt	86.
1-(p-Chlorophenyl)-3,3-dimethylurea	537.
2,4-Dichlorophenoxy ethyl sulfate, sodium salt	542.
2-(3,4-Dichlorophenyl)-1,1-dimethylurea	337.
1,3-Dihydro-3,6-pyridazinone (Maleic hydrazide)	477.
1,3-Dihydro-3,6-pyridazinone, sodium salt	477.
3,6-Diacetylbenzothiazole acid, disodium salt	517.
Isopropyl carbamate (Isopropyl N-phenylcarbamate) (IPC)	473.
Isopropyl-3-chlorocarbamate (Isopropyl N-(3-chlorophenyl)carbamate)	208, 475, 545.
Glycolic and malonic acid derivatives:	
1-Naphthalenesulfonamide	12.
1-Naphthalenesulfonic acid	12, 301, 343.
1-Naphthalenesulfonic acid, methyl ester	12, 235, 343.
1-Naphthalenesulfonic acid, sodium salt	12, 320.
2-Naphthalenesulfonic acid	310, 501.
2-Naphthalenesulfonic acid, sodium salt	310.
5-1-Naphthylphthalamic acid	477.
Glycolic acid derivatives:	
Phenylacetic acid derivatives:	
2-Chloro-4-ortho-phenoxyacetic acid, dimethylamine salt	545.
4-Chloro-2-ortho-phenoxyacetic acid	208.
p-Chlorophenoxyacetic acid	233.
2,4-Dichlorophenoxyacetic acid (2,4-D)	208, 235, 309, 430, 417, 473.
2,4-Dichlorophenoxyacetic acid esters:	
Amyl 2,4-dichlorophenoxyacetate	502.
Butyl 2,4-dichlorophenoxyacetate	X.

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## Directory of Manufacturers

The Directory of Manufacturers lists the companies that report their production of synthetic organic chemicals to the Tariff Commission. The name of each manufacturer is preceded by an identification number.

For 1954, the Directory of Manufacturers lists 605 companies (see table 27). This is 3 less than the number that reported for 1953. Some of the companies that report production of synthetic organic chemicals consume their entire output in further manufacturing.

The Directory of Manufacturers lists the companies in two ways. Section 1 lists them in numerical order, the identification number for each company having been assigned in the order in which the Commission received the company's reporting schedule. This system makes it unnecessary to wait until all the schedules are returned before assigning the identification numbers, and greatly speeds the preparation of the tables in part III. Section 2 lists the companies in alphabetical order.

TABLE 27.—Synthetic organic chemicals: Directory of manufacturers, 1954

## SECTION 1. NUMERICAL DIRECTORY

(Name of synthetic organic chemical manufacturer who reported production or sales to the United States Tariff Commission for 1954 are listed below in the order of their identification numbers as used in tables in part III. Section 2 of this table lists these manufacturers alphabetically and gives their offices and plant addresses)

No.	Name of company	No.	Name of company
1	Wich Chemicals, Inc.	74	Milco Laboratories, Inc.
2	Alfrinco Corp.	75	Amington Arms Co., Inc.
3	Northwestern Chemical Co.	76	Western Condensing Co.
4	Atenic Basic Chemicals Corp.	77	Apex Chemical Co., Inc.
5	Odor Chemical Corp.	78	Astra Pharmaceutical Products, Inc.
6	Bird & Son, Inc.	79	Edison, Thomas A., Inc. (Medical Gas Div.)
7	Burham-Ladson Co.	80	General Tire & Rubber Co. (F. F. C.) <sup>1</sup>
8	Chemical Chemical Co.	81	Silvex Products Co., Inc.
9	Van Dyk & Co., Inc.	82	Keystone Color Works, Inc.
10	Vita-Tar Corp.	83	Lover, Fred'k. H., Co., Inc.
11	Wilmet & Casady, Inc.	84	Mayer, J., & Sons
12	American Chemical Paint Co.	85	Shepherd Chemical Co.
13	American Viscose Corp. (Mylamin Div.)	86	Standard Agricultural Chemicals, Inc.
14	Berlin Refraction Corp.	87	Armstrong Cork Co.
15	Biochem Chemical Co.	88	Atlas Processing Co.
16	Copper Creek Chemical Corp.	89	Atlas Oil Co.
17	Farley & Lantsober Manufacturing Co.	90	Mitsui Chemical Co., Inc.
18	Spence, Venott & Dunning, Inc.	91	Parsons, H. W., Plymouth, Inc.
19	Pipe, James B., & Co.	92	Pacelose Color Co., Inc.
20	Sanborn, L., Son, Inc.	93	Pratt Pharmaceutical Laboratories, Inc.
21	Standard Chemical Co.	94	Siddall, George F., Co., Inc.
22	Superior Div. of Raybestos-Manhattan, Inc.	95	Southern Textile Chemical Corp.
23	Chaffey, J.	96	Wetherill, George D., Varnish Co.
24	Commonwealth Color & Chemical Co.	97	Harbor Plywood Corp.
25	Crown Tar & Chemical Works, Inc.	98	Higgins, James, & Son, Inc.
26	Farrington, W. S., Estate of.	99	Hudson Products Co., Inc.
27	Kelco-Bradley Co.	100	Oldbury Electro-Chemical Co.
28	Kentucky Color & Chemical Co.	101	Paget Sound Pulp & Tissue Co.
29	Kohatam, S., & Co., Inc.	102	White & Hodges, Inc.
30	Mineral Oil Refining Co.	103	Baker Castor Oil Co.
31	Empart Industries, Inc.	104	California-Spray Chemical Corp.
32	Powless Chemical Co.	105	Carpenter-Morton Co.
33	Fluorite Engineering Co.	106	Ciba States, Ltd. (Tone River Div.)
34	Pratt & Lambert, Inc.	107	Clary, V. A., Corp.
35	Shaller Bros., Inc.	108	Grealy Chemicals, Inc.
36	Naylor Fibre Co.	109	Crown Chemical Corp.
37	White & Bagley Co.	110	Dakota Brackets & Tar Products, Inc.
38	All-Tar Specialties Co.	111	Davis, H. B., Co.
39	Drug Processors, Inc.	112	Haley Chemical Co.
40	Summa Chemical Corp.	113	Firestone Tire & Rubber Co. (F. F. C.) <sup>1</sup>
41	Summa Paint Manufacturing Co. (Industrial Div.)	114	General Motors Corp. (AC Spark Plug Div.)
42	Blair Steel Container Co.	115	Haly Products Co.
43	Spence Paints, Inc.	116	H & M Wood Working Co.
44	Pennsylvania Industrial Chemical Corp.	117	Nature Dyestuff Corp.
45	Pine Bluff Chemical Co., subsidiary of Ford Machinery & Chemical Corp.	118	El Paso Natural Gas Co.
46	Rayle, S. D., & Co.	119	Poughkeepsie Dyestuff Corp.
47	Reliant Chemical Corp.	120	Spencer Chemical Co.
48	American Marietta Co.	121	Synthetic Products Co.
49	Davis Chemical Co.	122	Vanderbilt Chemical Corp.
50	Dian Laboratories, Inc.	123	Allied Chemical & Dye Corp. (Salvay Process Div.)
51	Huber, Samuel, Inc.	124	Duck, V. J., & Co., Inc.
52	Suplex Corp. (F. F. C.) <sup>1</sup>	125	Fritchman Brothers, Inc.
53	Salt Chemical Works, Inc.	126	Polychemical Co.
54	Elizabethan Consolidated Gas Co.	127	Rayter Chemical Corp.
55	Pine Colors Co.	128	Witco Chemical Co.
56	Industrial Products, Inc.	129	Grand Rapids Varnish Corp.
57	Swanick Co.	130	Indeal Chemical Corp.
58	Shilds Corp.	131	Harlow-Van Loan Corp.
59	Lowell Soap Manufacturing Co., Inc.	132	Bards Essential Oil & Chemical Co., Inc.
60	Jury-Marcus Corp. (Marbon Chemical Div.)	133	Rubber Corp. of America
61	Marbon-Wild Corp.	134	Dow Corning Corp.
62	Minnesota Paints, Inc.	135	Great Southern Chemical Corp.
63	Wagner Alkali Co.	136	Marshall Chemical Co.
64	Old Hibernia Chemical Co., Inc.	137	Petrolite Corp. (Trotolite Co. Div.)
65	Oil Spot Paint & Varnish Co., Inc.	138	Walton, Paul, & Co., Inc.
66	Behm-Linn Co.	139	Walton & Tiernan, Inc. (Marbon Div.)
67	Rebel Chemical Co., Inc.	140	Cotton Laboratories
68	Spaulding Fibre Co., Inc.	141	Fries Bros., Inc.
69	Suplex Products, Inc.	142	Magnolia Petroleum Co.
70	American Viscose Corp.	143	Organics, Inc.
71	Amul Chemical Co.	144	Pan American Refining Corp.
72	Shroy, Cobb & Co., Inc. (American Chlorophyll Div.)	145	Sumner Chemical Co., Inc.
73	Applon Coated Paper Co.	146	Corn Products Refining Co.
		147	S. S. Plastic Products Corp.
		148	Krumhaar Chemical Co., Inc.

See Remarks at end of table.

TABLE 27.--Synthetic organic chemicals: Directory of manufacturers, 1934.-Continued

No.	Name of company	No.	Name of company
149	U. S. Oil Co.	229	Chemico, Inc.
150	United States Frazzins Co., Inc.	230	Park's Products Co.
151	Veteriton Manufacturing Co.	231	Texas Co.
152	Arapahoe Chemicals, Inc., & Arapahoe Special Products, Inc.	232	Wyjohn Co.
153	Brown Co.	233	Berk, F. W., & Co., Inc.
154	Fluorograph Laboratories, Inc.	234	Jefferson Chemical Co., Inc.
155	General Color Co., Inc.	235	Oxy Oil & Chemical Co.
156	General Tire & Rubber Co. (Chemical Div.).	236	Smith, Hiram & French Laboratories.
157	Glidden Paint & Varnish Co.	237	Wilson Organic Chemicals, Inc.
158	International Minerals & Chemical Corp.	238	Dionaire Chemicals, Inc.
159	Loftinghill Chemical Co.	239	Shinton, Inc. (Pine Chemicals Div.).
160	Mineral Chemical Works, Inc.	240	Bunuel Products Co.
161	Seattle One Co.	241	Condon Petroleum Corp.
162	Staley, A. S., Manufacturing Co.	242	Biogen Chemicals, Inc.
163	Sterling Drug, Inc. (Sugar Co. Div.).	243	National Polychemicals, Inc.
164	Western Dry Color Co.	244	Salvo Chemical Corp.
165	Westinghouse Electric Corp.	245	Specialty Resins Co.
166	Wheeler, Raymond & Steuffer.	246	Warner-Jankins Manufacturing Co.
167	American Amides & Extract Co., Inc.	247	Vitthrop-Stearns, Inc.
168	Blechnan Brothers, Inc.	248	Burroughs-Wellcome & Co. (U.S.A.), Inc.
169	Colman Corp. of America.	249	Douglas Chemical Corp.
170	DuPont Chemical Co., Inc.	250	Factor-Sutton Co.
171	Durak Chemical Corp.	251	Ken Products Co., Inc.
172	Food Machinery & Chemical Corp. (Ohio-Apex Div.).	252	Thas & Waldstein Co.
173	Garden Chemicals, Inc.	253	Noticini Chlorophyll & Chemical Co.
174	Laboratoire Chimique, Inc.	254	Sandoz Chemical Works, Inc.
175	Labco Chemical Corp.	255	Amco Resin Corp.
176	Levill Chemical Co.	256	Advanced Solvents & Chemical Corp.
177	Novis Chemical Co.	257	Alma Foster Co.
178	Novich Pharmaceutical Co.	258	El Dorado Oil Works.
179	Ortho Chemical Corp.	259	Firestone Plastics Co. Div. of Firestone Tire & Rubber Co.
180	Oxford Corp.	260	Faller, W. F., & Co.
181	Parker, Davis & Co.	261	Humble Oil & Refining Co.
182	Pulchery Industries, Inc.	262	Laboratory Chemical Products Co.
183	Quaker Chemical Products Corp.	263	Nishigen Chemical Corp.
184	Rohlfordia Co.	264	Pacific Paint & Varnish Co.
185	Union Oil Co. of California.	265	Patent Chemicals, Inc.
186	United States Pipe & Foundry Co.	266	Pearl-Lewis Laboratories, Inc.
187	Valvolene Corp. (Div. of Arvey Corp.).	267	Stange, Wm. J., Co.
188	Virginia-Carolina Chemical Corp.	268	Synthetic Chemicals, Inc.
189	Carlioh Chemical Works, Inc.	269	Varvon Chemical Corp.
190	Continental Oil Co.	270	American Maritime Co. (Farber-Laboratory Co. Div.).
191	Chemical Corp.	271	California Ink Co., Inc.
192	American Nitro-Synthetics Corp.	272	Dow's Laboratories, Inc.
193	Cargill, Inc.	273	Jones-Dabney Co.
194	Clitic Service Refining Corp. (F. F. C.) <sup>1</sup>	274	Lilly, Eli, & Co.
195	Merrell, Wm. S., Co.	275	Madson Chemical Co.
196	Murrow Paint Co.	276	Purified Gas & Coke Co.
197	Ballance Varnish Co., Inc.	277	Colgate-Palmolive Co.
198	Specific Pharmaceuticals, Inc.	278	Wilson Laboratories.
199	Yar Distilling Co., Inc.	279	Oma's Chemical Works, Inc.
200	Yonnesse Products & Chemical Corp.	280	Industrial Dyestuff Co.
201	International Corp. (Textile Colors Div.).	281	Standard Oil & Gas Co.
202	Baker, J. Y., Chemical Co.	282	American Waste Products Co.
203	Baker, J. Y., Chemical Co. (Taylor Chemical Div.).	283	French, Campbell & Darling, Inc.
204	Baity Business, Inc.	284	Severe Chemical Co., Inc.
205	Bay Chemical Co. (Styrene Div.). (F. F. C.) <sup>1</sup>	285	Humble Oil & Refining Co. (F. F. C.) <sup>1</sup>
206	Bain Products Corp.	286	Half Oil Corp.
207	Ballou Alkali Co.	287	Clinton Foods, Inc.
208	Leahy Toy Products Co.	288	Ohio Chemical & Surgical Equipment Co.
209	Numbata Chemical Co.	289	Quaker Oats Co.
210	Stanfield Oil Corp.	290	Commercial Solvents Corp.
211	Hammer Oil & Refining Corp.	291	Lever Brothers Co.
212	Sabron, S. F., Corp.	292	Loaders, George, & Co.
213	Swift & Co.	293	Phywood Chemical Works.
214	Morton-Withers Chemical Co.	294	Alon Corp.
215	Herculite Powder Co.	295	Ceres Chemical Co., Inc.
216	Oakum, C. J., Co.	296	Coat Paint & Varnish Co.
217	Kennecott Copper Corp. (China Mines Div.).	297	Rose Standard Oil Co.
218	Continental-Diamond Fiber Co.	298	Evans Chemicals, Inc.
219	Nalthe Laboratories, Inc.	299	Procter Chemical Co.
220	Warner Drug & Chemical Co.	300	Hempden Color & Chemical Co.
221	Belle Alkali Co.	301	Jordan, Jr., W. M., & F. Manufacturing Co.
222	Kali Manufacturing Co.	302	Bitter, F., & Co.
223	National Petro-Chemicals Corp.	303	Sanitole Refining Co.
224	Sterling Drug, Inc. (Wilton-Davis Chemical Co. Div.).	304	Purus Corp., Ltd.
225	Sylvac Corp.	305	Lamb, S. L., & Co., Inc.
226	Troxon Powder Co.	306	Paracelso, Inc.
227	Alit Reduction Chemical Co.	307	Victor Chemical Works.
228	Atlas Refinery, Inc.	308	Caroline Amiline & Extract Co.
229	Deshyde Cotton Oil Co.	309	Materialis Corp.
		310	Berkeley Chemical Corp.

See footnotes at end of table.

TABLE 27.--Synthetic organic chemicals: Directory of manufacturers, 1934.-Continued

No.	Name of company	No.	Name of company
311	Southern Dyestuff Corp.	398	Standard Chemical Co.
312	Supro Plastics & Chemicals, Inc.	399	Thompson Color, Inc.
313	Fairmount Chemical Co., Inc.	400	Corvin Co.
314	Solignum Paint Co., Inc.	401	Sivonite Corp.
315	Dr. Stearns' Laboratories.	402	Key-Price Chemicals, Inc.
316	Substanty Varnish Co., Inc.	403	Schwarz Laboratories, Inc.
317	Wallace & Tierson, Inc. (Kosoid Div.).	404	Stamm Alkali Co.
318	American Alcolac Corp.	405	Dye Specialties Corp., Inc.
319	City Chemical Corp.	406	Ford Motor Co.
320	Coastline Petroleum Co.	407	Way, Otto S., Inc.
321	Nitro-Atlantic, Inc.	408	Nitler Chemical Co., Inc.
322	Sulzerid Co.	409	Allied Chemical & Dye Corp. (National Aniline Div.).
323	Sherrill's Soda Corp.	410	National Lead Co.
324	Sunaco Products Co.	411	Raychem Paint & Varnish Corp.
325	Sunoco Research Corp.	412	Allyl Chemicals, Inc.
326	East Products Corp.	413	Ampulite Corp.
327	Mallinckrodt Chemical Works.	414	Baron Co. (Chemical Div.).
328	Procter & Gamble Co.	415	Chemical Laboratories, Inc.
329	Pure Oil Co.	416	Stamm Alkali Organic Chemicals Div., Inc.
330	Rego Chemical Co.	417	Long, Chan H., Jr., Co.
331	Solvent Chemical Co., Inc.	418	Pfeinrich Laboratories, Inc.
332	Allied Chemical & Dye Corp. (Nitrogen Div.).	419	S. S. A. Corp.
333	Arner & Co. (Chemical Div.).	420	Sohberg Corp.
334	Berkart-Berier Chemical Co.	421	U. S. Industrial Chemicals Co.
335	Bux Chemical Co.	422	Buron Milling Co.
336	Feve Chemical Corp.	423	Behr & Harz Co.
337	Evostone Chemical Corp.	424	United Pines Dye Works.
338	von Springen-Neubler, Inc.	425	Wallace & Tierson, Inc.
339	East Corp.	426	Abbott Laboratories.
340	Ray, H., Colar & Chemical Co.	427	Ciba Pharmaceutical Products, Inc.
341	National Starch Products, Inc.	428	Dycon Co.
342	Broder, H. A., & Sons, Inc.	429	Rose Standard Oil Co. (Louisiana Div.).
343	Federal Color Laboratories, Inc.	430	Goodyear Tire & Rubber Co.
344	Harlock Co.	431	Harvey Chemicals, Inc.
345	Standard Chemical Products, Inc.	432	Irrington Varnish & Enameler Div. of Minnesota Mining and Manufacturing Co.
346	Sam Chemical Corp. (Pigment Div.).	433	Kendall Refining Co.
347	American Potash & Chemical Corp. (Kalon Chemicals Div.).	434	Warthen Corp.
348	Griffin Chemical Co.	435	Oil & Chemical Products, Inc.
349	Hume Chemical Co.	436	Organic Chemical Corp.
350	Peters Chemical Co.	437	Orvino Chemical Co.
351	Althaus Chemical Co., Inc.	438	Celanese Corp. of America.
352	Childs Pulp Colors, Inc.	439	Gallego Colors, Inc.
353	Standard Naphthalene Products Co., Inc.	440	Gandrich, H. F., Chemical Co. (Div. of H. F. Gandrich Co.). (F. F. C.) <sup>1</sup>
354	General Foods Corp. (Mammal House Div.).	441	Food Machinery & Chemical Corp. (Westmore Chlor-Alkali Div. & Westmore Mineral Products Div.).
355	Theschliger, A., Jr., Inc.	442	Inkman, J. S., & W. H., Inc.
356	New York Color & Chemical Co. Div. of American Eyewood Co.	443	Jennison-Wright Corp.
357	Fumell Co.	444	Squibb, S. R., & Sons, Div. of Olin-National Chemical Corp.
358	Standard Chlorine Chemical Co., Inc.	445	Atlantic Refining Co.
359	Burn, O. F., Co.	446	Anderson Laboratories, Inc.
360	Bryant Chemical Corp.	447	Beery Products Co.
361	Barco & Co. (Grand River Chemical Div.).	448	Safe Products, Inc.
362	Brevette & Chemical Co.	449	Pharm Chemical Corp.
363	Ohio Naphthalene Chemical Corp.	450	Standard Vitreous & Color Co.
364	Blumhill Chemical Co.	451	Wolf, Jacques, & Co.
365	Standard-Tech-Chemicals, Inc.	452	Young Amiline Works, Inc.
366	Hiscox & Co., Inc.	453	Chem-Pure Manufacturing Corp.
367	Arner Laboratories Div. of Arner & Co.	454	Changro Corp.
368	Pennsylvania Salt Manufacturing Co.	455	Felton Chemical Co., Inc.
369	Arvid, Hoffman & Co., Inc.	456	Simclair Refining Co.
370	Armstrong Textile Supply Co.	457	Birk & Co., Inc.
371	Hill, C. F., Co. of Illinois.	458	Eastern States Chemical Corp.
372	Hartbeite Corp.	459	Medical Chemicals Corp.
373	Southern Sizing Co.	460	Hawthorn-Hoson Co.
374	Trokel Laboratories.	461	Chemical Manufacturing Co., Inc.
375	Chemical Process Co.	462	Rational Corp.
376	National Biochemical Co.	463	General Petroleum Corp.
377	Samuel, A. P., Co.	464	Phillips Petroleum Co. (F. F. C.) <sup>1</sup>
378	Old Colony Tar Co., Inc.	465	Pharm-Nobor Co. Div. of Allied Laboratories, Inc.
379	Sumit Chemical Products Corp.	466	Koppers Co., Inc.
380	Northshire Color & Chemical Mfg. Corp.	467	Varvon Chemical Co.
381	Ares Co.	468	Westville Laboratories.
382	Bronk's Color Works, Inc.	469	Refineries-Lubaco, Inc.
383	Callitt-Wash Corp.	470	Megrader Color Co., Inc.
384	General Aniline & Film Corp. (Dyestuff and Chemical Div.).	471	Sam Chemical Corp. (Vernon Chemical Co. Div.).
385	General Mills, Inc.	472	American Cyanamid Co. (Lodwick and Fine Chemical Div., Organic Chemicals Div., and Industrial and Plastics and Resins Div.).
386	Kaiser Chemical Co., Inc.		
387	East Chemical Co., Inc.		
388	Phosphate Chemical Co., Inc.		
389	Phosphate Chemical Co., Inc.		
390	Phosphate Chemical Co., Inc.		
391	Phosphate Chemical Co., Inc.		
392	Phosphate Chemical Co., Inc.		
393	Phosphate Chemical Co., Inc.		
394	Phosphate Chemical Co., Inc.		
395	Phosphate Chemical Co., Inc.		
396	Phosphate Chemical Co., Inc.		
397	Phosphate Chemical Co., Inc.		
398	Phosphate Chemical Co., Inc.		
399	Phosphate Chemical Co., Inc.		
400	Phosphate Chemical Co., Inc.		

See footnotes at end of table.

TABLE 27.—Synthetic organic chemicals: Directory of manufacturers, 1954—Continued

No.	Name of company	No.	Name of company
467	Heavy Industries, Inc.	544	Standard Oil Co. of Indiana.
468	Interchemical Corp. (Finitone Div.).	545	Riverdale Chemical Co.
469	Steel Laboratories, Inc.	546	Union Carbide & Carbon Corp. (Nobelite Co.).
470	Strom-Bauer, Fred'g. &, Inc.	547	Union Carbide & Carbon Corp. (Linde Air Products Co.).
471	Wyeth Laboratories, Inc.	548	Lubrirol Corp.
472	Amesbury-Siegler Corp.	549	Rubber Electrochemical Co.
473	Callender Chemical Corp.	550	New York Quinoid & Chemical Works, Inc.
474	McKeeburg Fertilizer Co.	551	Baltimore Paint & Color Works.
475	Pittsburgh Plate Glass Co.	552	Rubber-Detzer, Inc.
476	United States Rubber Co. (F. F. C.) <sup>1</sup>	553	Navtex Chemical Products, Inc.
477	United States Rubber Co. (Saughtank Chemical Div.).	554	New York Ohio Chemical Corp.
478	Bundy & Alay Chemical Co. (Div. of V. B. Greco & Co.).	555	Sherrerd Refining Co., Inc.
479	Sum Oil Co.	556	Western Petroleum Corp.
480	Raymond Chemical Corp.	557	Pumuk, S. S., & Co.
481	Vitex Chemical Works, Inc.	558	Klaryl-Dee Chemical Co.
482	Drew, H. F., & Co., Inc.	559	Cincinnati Chemical Works, Inc.
483	Sigma Color & Chemical Works.	560	Sinalco & Valentine Co.
484	Bronson Laboratories, Inc.	561	Orbis Products Corp.
485	Fabul Brewing Co.	562	Union Carbide & Carbon Corp. (Carbide & Carbon Chemicals Co.).
486	Agumasee Corp.	563	Desherville, F. O.
487	Cudrigh, S. F., Chemical Co. (Div. of S. F. Cudrigh Co.).	564	Standard Oil Co. of California.
488	National Industrial Finishes Co.	565	Craven Chemical Co., Inc.
489	Richards Chemicals, Inc.	566	Spinks, Julius & Co.
490	Waco Co., Inc.	567	Shell Chemical Corp.
491	Universal Tergents, Inc.	568	Alco Oil & Chemical Corp.
492	Callison, T. F., & Sons, Inc.	569	Baylan Chemical Corp.
493	Gillico Service Oil Co.	570	Kennecott Copper Corp. (Witch Copper Div.).
494	Murwin-Williams Co.	571	Stapan Chemical Co.
495	Tennessee Shewan Co., Div. of Shewan Kodak Co.	572	Versarose, Inc.
496	Texas Shewan Co., Div. of Shewan Kodak Co.	573	Witte, John H., & Sons.
497	Union Bay State Chemical Co., Inc.	574	Wyandotte Chemicals Corp.
498	Whitman-Might Co., Inc.	575	Elielbach Chemical Corp.
499	Allied Asphalt & Mineral Co.	576	Augusta Chemical Co.
500	Columbia Organic Chemicals, Inc.	577	Great Western Sugar Co.
501	Fluor Organic, Inc.	578	Laughery-Williams, Inc.
502	Thompson Chemicals Corp.	579	Lahn States Yeast Corp.
503	Colloid Chemicals, Inc.	580	Martrose Chemical Co.
504	Allied Chemical & Dye Corp. (Sant-Solway Div.).	581	Gildden Co.
505	Pillar Chemical Corp.	582	New Jersey Zinc Co. (of Pa.).
506	Santronic Chemical Corp. of California.	583	Alliance Color & Chemical Co.
507	Prudential Co.	584	Allied Chemical & Dye Corp. (Sant-Solway Div.).
508	Hillyer & Chemical Corp.	585	Atlantic Chemical Corp.
509	Republic Crocetting Co.	586	American Alkyd Industries.
510	American Aniline Products, Inc.	587	Wata Chemical Corp.
511	Beile Chemical Co., Inc.	588	Pennsylvania Refining Co.
512	British Laboratories, Inc.	589	General Electric Co. (Chemical Materials Dept.).
513	Eastman Kodak Co.	590	Imperial Chemical Co.
514	Farraro's Chemical Co.	591	Salam Oil & Grease Co.
515	Buffum-Tutt, Inc.	592	Crossville Chemical Co., Inc.
516	Phenoxy Oil Co.	593	Brayton, S. F., & Co.
517	Shamplex Chemicals, Inc.	594	M-Co Color Corp.
518	Shell Oil Co.	595	Seigy Chemical Corp.
519	Federal Paint Co., Inc.	596	George, F. D., Co.
520	LeBlalle Chemical Corp.	597	Palcos Products, Inc.
521	Lebanon Chemical Corp.	598	Varley Chemical Co., Inc.
522	Theitol Chemical Corp.	599	Prochem Chemical Corp.
523	Lever, C. O., Inc.	600	Loren Chemical Co. of California.
524	Allied Chemical & Dye Corp. (General Chemical Div.).	601	Pacific Yeast Products, Inc.
525	Jennsen, Chas. Burr, Co., Inc.	602	Neuhoe Butane Products Co. (F. F. C.).
526	Lodwin-Suberille, Inc.	603	Kentucky Synthetic Rubber Co. (F. F. C.).
527	Pulson-Hesse Chemical Co., Inc.	604	NiLmad Synthetic Rubber Co. (F. F. C.).
528	PLiner, Chas., & Co., Inc.	605	Deep Rock Oil Co.
529	Woodburn, T. F., Co.		
530	Archer-Daniels-Midland Co.		
531	Crone Central Petroleum Corp.		
532	Van Camp Laboratories.		
533	Truch, Arthur C., Co.		
534	Vitamins, Inc.		
535	Cobot, Godfrey L., Inc.		
536	Douglas Products, Inc.		
537	DePost de Senneville, H. I., & Co., Inc.		
538	Holland Color & Chemical Co.		
539	Imperial Paper & Color Corp., Pigment Color Div.		
540	Huret & Co., Inc.		
541	Colton Chemical Co., Div. of Air Reduction Co., Inc.		
542	Cory Chemicals, Inc.		
543	Sikes Laboratories.		

<sup>1</sup> F. F. C. in parentheses following the name of a company indicates U. S. Government plant operated for the Federal Facilities Corporation.

TABLE 27.—Synthetic organic chemicals: Directory of manufacturers, 1954—Continued

No.	Name of company	Office address (location of plant given in parentheses if not in same city as office)
539	Abbott Laboratories	14th St. and Sheridan Rd., North Chicago, Ill.
540	Acme Soda Corp.	3401 Girle Ave., Forest Park, Ill.
541	Mc-Co Color Corp.	66 Lister Ave., Newark 5, N. J.
542	Advance Solvents & Chemical Corp.	267 7th Ave., New York 16, N. Y. (Jersey City, N. J.).
543	Air Reduction Chemical Co.	40 E. 42d St., New York 17, N. Y. (Round Brook, N. Y.).
544	Alco Oil & Chemical Corp.	Trouton Ave. and William St., Philadelphia 34, Pa.
545	Alfranco Corp.	72-78 Putnam St., Paterson 4, N. J.
546	Alkyl Laboratories, Inc.	1342 S. 90th Ave., Cicero 50, Ill.
547	Alliance Color & Chemical Co.	33 Avenue P, Newark 5, N. J.
548	Allied Asphalt & Mineral Corp.	217 Broadway, New York 7, N. Y. (Dunellen, N. J.).
549	Allied Chemical & Dye Corp.	
550	Sarrett Div.	
551		40 Rector St., New York 6, N. Y. (Fairfield, Ala.; Calumet City and Chicago, Ill.; Detroit, Mich.; Sagwater, N. J.; Greenboro, N. C.; Ironton, Toledo, and Youngstown, Ohio; and Bethlehem, Frankfurt, and Philadelphia, Pa.).
552	General Chemical Div.	40 Rector St., New York 6, N. Y. (Richois, Calif.; Baton Rouge, La.; Buffalo, N. Y.; and Harrow Brook, Pa.).
553	National Aniline Div.	40 Rector St., New York 6, N. Y. (Buffalo, N. Y.; Romeville, Va.; and Mondaville, N. Va.).
554	Nitrogen Div.	Roperill, Va. (Ombia, Nbr.; South Point, Ohio; and Orange, Tex.).
555	Sant-Solway Div.	
556	Solway Process Div.	40 Rector St., New York 6 (Tonawanda), N. Y.
557	All-Tex Specialties Co.	P. O. Box 271, Syracuse 1 (Solway Village), N. Y.
558	Alco Corp.	62 Meadow St., Warwick, R. I.
559	Alliance Chemical Co., Inc.	3943 Buffalo Ave., Niagara Falls, N. Y.
560	Assigned Chemical Corp.	340 Pear St., Reading, Pa.
561	American Alcolac Corp.	Ostario and River Ste., Philadelphia 34, Pa.
562	American Alkyd Industries	3440 Fairfield Rd., Baltimore 28, Md.
563	American Aniline & Extract Co., Inc.	Broad and 14th Sts., Carlstadt, N. J.
564	American Aniline Products, Inc.	Yonkers and F Sts., Philadelphia 34, Pa.
565	American Bio-Synthetic Corp.	30 Union Sq., New York 3, N. Y. (Lack Haven, Pa.).
566	American Chemical Paint Co.	740 W. National Ave., Milwaukee 4, Wis.
567	American Cyanamid Co.: Industrial and Plastics and Resins Div.	
568	Labor and Fine Chemical Div.	
569		30 Rockefeller Place, New York 20, N. Y. (Amen, Calif.; Stanford and Wellingford, Conn.; Broad Beach, Linden, and Westridge, N. J.; Charlotte, N. C.; and Bridgeville, Pa.).
570		30 Rockefeller Place, New York 20, N. Y. (Princeton, N. J., and Pearl River, N. Y.).
571	Organic Chemicals Div.	
572	American Mine Products Co.	30 Rockefeller Place, New York 20, N. Y. (Round Brook, N. J.).
573	American Marietta Co.	230 Park Ave., New York 17, N. Y.
574	Purcut-Schwarzkopf Co. Div.	3400 13th Ave., St., Seattle 4, Wash.
575	American Potash and Chemical Corp.	12815 Elmwood Ave., Cleveland 11, Ohio.
576	Biom Chemicals Div.	3100 E. 26th St., Los Angeles 23, Calif.
577	American Tissue Corp.	
578	Glycolin Div.	1617 Pennsylvania Blvd., Philadelphia 3 (Hendville), Pa.
579	Anderson Laboratories, Inc.	Fredericksburg, Va.
580	Amesbury-Siegler Corp.	3940 Summit St., Meaten, Mich.
581	Amel Chemical Co., Inc.	92 Chestnut Ave., Staten Island 9, N. Y.
582	Ames Chemical Co., Inc.	1 Stanton St., Marquette, Wis.
583	Applion Coated Paper Co.	225 W. 34th St., New York 1, N. Y. (Kilbuckport, N. J.).
584	Appleton Corp.	1200 W. Meade St., Appleton, Wis.
585	Argus Chemicals, Inc., & Argus Special Products, Inc.	2007 Quinlan St., Houston 24, Tex.
586	Arthur-Daniels-Midland Co.	2600 Pearl St., Boulder, Colo.
587		
588	Arvo Co.	2191 W. 110th St., Cleveland, Ohio (Mansfield, Minn., and Wyandotte, Mich.).
589	Bauer & Co.: Chemical Div.	7301 Beaman Ave., Cleveland 27, Ohio.
590	Bauer Laboratories Div.	
591	Baumgardner Corp.	1355 W. 51st St., Chicago 9 (McCook), Ill.
592	Brazil Refines & Co., Inc.	Box 311, Kankakee, Ill.
593		W. Liberty St., Lancaster (Pittsburgh), Pa.
594		95 Canal St., Providence 1, N. I. (Dighton, Mass.; Charlotte, N. C.; and Cincinnati, Ohio).
595	Beve Pharmaceutical Products, Inc.	7-1/2 Reynolds St., Worcester 8, Mass.
596	Bimatic Chemical Corp.	133 Prospect St., Pasco (Clifton), N. J.
597	Bimatic Refining Co.	260 S. Broad St., Philadelphia 1, Pa. (Part Arthur, Tex.).
598	Bimac Powder Co.	9th and Market Sts., Wilmington 99, Del. (Allen Point, Del., and Tanque, Pa.).
599	Bliss Processing Co.	P.O. Box 1786, Sheepsport, La.
600	Bliss Refinery, Inc.	142 Lockwood St., Newark 3, N. J.
601	Blum Basic Chemicals Corp.	390 Driver Rd., Pittsburgh 30, Pa.
602	Boyan Chemical Co.	Box 640, Augusta, Ga.
603	Boyer-Carter Oil Co.	Morris Ave. and Weaver St., Summit, N. J.
604	Bow, J. V., Chemical Co.	120 Broadway, New York 5, N. Y. (Bryant, N. J.).
605	Boyer Chemical Div.	600 N. Broad St., Philadelphia, N. J.
606	Baltimore Paint & Color Works	600 N. Broad St., Philadelphia, N. J. (Poon Van, N. Y.).
607		2329 Annapolis Ave., Baltimore 20, Md.

TABLE 27.--Synthetic organic chemicals: Directory of manufacturers, 1934--Continued

No.	Name of company	Office address (location of plant given in parentheses if not in same city as office)
14	Barton Reduction Corp.	P.O. Box 8097, S. Charleston 3, W. Va.
49	Bates Chemical Co.	Scottsdale Rd., Lansdowne, Pa.
220	Bello Alkali Co.	300 Union Commerce Bldg., Cleveland 14, Ohio.
911	Bello Chemical Co., Inc.	534 Pearl St., Reading, Pa.
240	Bernal Products Co.	237 South St., Newark 5 (Union), N. J.
233	Berk, F. W., & Co., Inc.	Park Pl., E. Wood-Ridge, N. J.
310	Berkeley Chemical Corp.	Summit Ave., Berkeley Heights, N. J.
380	Berkshire Color & Chemical Mfg. Corp.	230 Delaware Ave., Delaware, N. J.
491	Bieh & Co., Inc.	Bern & 12th Sts., Reading, Pa.
30	Bio Laboratories, Inc.	17 W. 40th St., New York 13, N. Y.
6	Bird & Son, Inc.	East Walpole (Norwood), Mass.
164	Blackum Brands, Inc.	Wesley St., S. Hochamuck, N. J.
15	Blackum Chemical Co.	Joliet, Ill.
203	Bosty Resinners, Inc.	112 Jefferson St., Newark, Ohio.
408	Borden Co., Chemical Div.	350 Madison Ave., New York 17, N. Y. (Danapolis, Ala.; Los Angeles, Calif.; Illinois and Union, Ill.; Peabody, Mass.; Balastridge, N. Y.; Knoxville, N. C.; Springfield, Oreg.; Philadelphia, Pa.; and Seattle, Wash.).
80	Burg-Warner Corp., Marbon Chemical Div.	1924 W. 10th Ave., Gary, Ind.
912	Bristol Laboratories, Inc.	P. O. Box 677, Syracuse 1, N. Y.
282	Brooklyn Color Works, Inc.	681 Morgan Ave., Brooklyn 22, N. Y.
153	Brown Co.	630 Main St., Berlin, N. H.
342	Bruder, H. A., & Sons, Inc.	526 and Grays Ave., Philadelphia 43, Pa.
240	Bryant Chemical Corp.	8 North St., N. Quincy 71, Mass.
228	Buckeye Cotton Oil Co.	P.O. Box 599, Cincinnati 1, Ohio (Munhale, Tenn.).
409	Buchanan Laboratories, Inc.	1236 W. Main, Memphis 8, Tenn.
314	Burkart-Schier Chemical Co.	1228 Chestnut St., Chattanooga 2, Tenn.
348	Burroughs-Wellcome & Co. (U.S.A.), Inc.	Serravallo Rd., Tuckahoe 7, N. Y.
134	Bush, W. J., & Co., Inc.	19 W. 44th St., New York 36, N. Y. (Linden, N. J.).
535	Cabot, Godfrey L., Inc.	77 Franklin St., Boston 10, Mass.
91	Cabot, Samuel, Inc.	341 Milk St., Boston 9 (Chelsea), Mass.
5	Cadet Chemical Corp.	717 Elk St., Buffalo 3, N. Y.
303	Calbio Chemicals, Inc.	380 Madison Ave., New York 17, N. Y. (Perry, Ohio).
271	California Ink Co., Inc.	345 Sansome St., San Francisco 11 (Berkeley), Calif.
104	California-Spray Chemical Corp.	Lanes and Ortho Way, Richmond 4, Calif.
492	Callison, J. P., & Sons, Inc.	801 Lloyd Bldg., Seattle 1 (Chubbuck), Wash.
192	Cargill, Inc.	P.O. Box 1075, Pittsburgh (Carnegie), Pa.
188	Carlisle Chemical Works, Inc.	Vest St., Reading 15, Ohio.
308	Carrollian Aniline & Extract Co.	301 S. Cedar St., Charlotte 1, N. C.
103	Carper-Heaton Co.	376 34 St., Everett 49, Mass.
295	Carso Chemical Co., Inc.	1377 8th St., LaSalle, Ill.
394	Carvin Co.	Stiles Lane, North Haven, Conn.
343	Cary Chemicals, Inc.	64 Hamilton St., Paterson 3 (Milltown), N. J.
432	Catalin Corp. of America	1 Park Ave., New York 16, N. Y. (Calumet City, Ill.; Peabody, N. J.; and Thomsville, N. C.).
149	Celanese Corp. of America	180 Madison Ave., New York 16, N. Y. (Anchelle, Mich.; Memphis, N. J.; Colriver, S. C.; Bishop and Poppo, Tex.; and Salem, Va.).
23	Chemical Products Div.	290 Ferry St., Newark 5 (Linden), N. J.
190	Chemical Corp.	209 Market St., Lynn, Mass.
446	Chemurg Corp.	3527 Smilgen St., Pittsburgh 1, Pa.
455	Chemical Manufacturing Co., Inc.	101 Park Ave., New York 17, N. Y. (Pittsburgh, Pa.).
375	Chemical Process Co.	Hagonko Rd., Ashland, Mass.
229	Chemico, Inc.	901 Spring St., Redwood City, Calif.
447	Chem-Pure Manufacturing Corp.	2308 E. Bailey Rd., Cuyahoga Falls, Ohio.
332	Childs Pulp Colors, Inc.	32-25 Queens Blvd., Long Island City 1, N. Y.
421	Ciba Pharmaceutical Products, Inc.	43 Summit St., Brooklyn 31, N. Y.
104	Ciba Stator, Ltd., Toms River Div.	356 Morris Ave., Somerville 3, N. J.
559	Cincinnati Chemical Works, Inc.	P.O. Box 71, Toms River, N. J.
493	Citico Service Oil Co.	P.O. Box 20, Brenton Sta., Cincinnati 7 (Harwood and St. Bernard), Ohio.
193	Citico Service Refining Corp. (F.P.C.)	Citico Service Bldg., Burlington (Tallent), Ohio.
319	Citico Chemical Corp.	716 Hedge St., Lake Charles, La.
107	Cleary, V. A., Corp.	132 W. 23d St., New York 11, N. Y. (Jersey City, N. J.).
267	Climax Foods, Inc.	P.O. Box 749, New Brunswick (Franklin Township), N. J.
130	Conestoga Petroleum Co.	Climax, Iowa.
363	Cosherille, F. O.	1127 Mansey Bldg., Baltimore 2, Md. (Goodhope, La.).
277	Colgate-Palmolive Co.	Greenwood, Va.
383	Collett-Moak Corp.	103 Hudson St., Jersey City 5, N. J. (Berkeley, Calif.; Jeffersonville, Ind.; Kansas City, Kans.; and Jersey City, N. J.).
433	Collony Colors, Inc.	Quincy St., Ossining, N. Y.
341	Colton Chemical Co., Div. of Air Reduction Co., Inc.	35 Market St., Paterson 1, N. J.
300	Columbia Organic Chemicals, Inc.	1345 E. 18th St., Cleveland 14, Ohio.
290	Commercial Solvents Corp.	600 Capitol Pl., Columbia 5 (Cedar Terrace), S. C.
34	Commonwealth Color & Chemical Co.	260 Madison Ave., New York 16, N. Y. (Agree, Calif.; Peabody, Ill.; Terre Haute, Ind.; Harvey and Sterling, Ind. & Carlsbad, N. J.).
217	Continental-Dismant Fibre Co.	3240 Grace Ave., New York 49, N. Y.
189	Continental Oil Co.	70 S. Chapel St., Newark, Del. (Bridgeport, Pa.); 1000 S. Pine St., Painesville, Ohio.

See footnotes at end of table.

TABLE 27.--Synthetic organic chemicals: Directory of manufacturers, 1934--Continued

No.	Name of company	Office address (location of plant given in parentheses if not in same city as office)
294	Cook Paint & Varnish Co.	P.O. Box 389, Kansas City 41, Mo.
34	Coopers Creek Chemical Corp.	River Rd., V. Conohocheton, Pa.
33	Coprolay Corp. (F.P.C.)	P.O. Box 2029, Baton Rouge 1, La.
44	Cora Products Refining Co.	17 Battery Pl., New York 4, N. Y. (Argo, Ill.).
511	Crosby Petroleum Refining Corp.	P.O. Box 1311, Big Spring, Tex.
280	Crosby Chemicals, Inc.	Box 111, Piquette, Miss. (De Ridder, La.).
231	Crown Central Petroleum Corp.	American Bldg., Baltimore 3, Md. (Houston, Tex.).
307	Crown Chemical Co., Inc.	Pleasantview Terrace, Ridgefield, N. J.
109	Crown Chemical Corp.	240 India St., Providence 3, R. I.
292	Crownoil Chemical Co., Inc.	2-14 49th Ave., Long Island City 1, N. Y.
25	Crown Tar & Chemical Works, Inc.	903 Wessitt St., Denver 4, Colo.
467	Cutter Laboratories	4th and Parker Sts., Berkeley 10, Calif.
130	Dakota Briquet & Tar Products, Inc.	Box 444, Dietmann, W. Dak.
131	Davis, H. S., Co.	Bush & Severa Sts., Baltimore 30, Md.
272	Deer's Laboratories, Inc.	4800 S. Richmond St., Chicago 32, Ill. (Newaygo, Mich.).
441	Deep Products Co.	120 Potter St., Cambridge 42, Mass.
680	Deer Rock Oil Co.	Atlas Life Bldg., Tulsa 2 (Cushing), Okla.
341	Deere & Co., Grand River Chemical Div.	2010 S. Olive, Tulsa (Pryor), Okla.
230	Delaware Chemicals, Inc.	50 Murray St., Staten Island 9, N. Y.
30	Delta Chemical Works, Inc.	23 W. 60th St., New York 23, N. Y.
170	Delta Chemical Co., Inc.	44-27 Purvis St., Long Island City 1, N. Y.
420	Devey & Almy Chemical Co., Div. of V. A. Grace & Co.	62 Whitcomb Ave., Cambridge 40 (Acton), Mass.
271	Dever Chemical Corp.	619 Edgewater Rd., New York 29, N. Y.
288	Diamond Alkali Co.	300 Union Commerce Bldg., Cleveland 14, Ohio (Painesville, Ohio, and Houston, Tex.).
490	Diamond Alkali Organic Chemicals Div., Inc.	80 Lister Ave., Newark 5, N. J.
224	Dunham Products, Inc.	10-40 44th Dr., Long Island City 1, N. Y.
240	Dunlop Chemical Corp.	1624 Duraw Ave., Evanston, Ill.
320	Dyn Chemical Co.	Midland, Mich. (Pittsburg and Tarrance, Calif.; Galois Ferry, Conn.; and Freeport, Tex.).
224	Dyn Chemical Co., Styrene Div. (F.P.C.)	P.O. Box 300, Gardena (Los Angeles), Calif.
124	East Carolina Corp.	Box 292, Midland, Mich.
490	East, E. F., & Co., Inc.	15 E. 26th St., New York 10, N. Y. (Buxton, N. J.).
30	East Processors, Inc.	1219 E. Church St., Adrian, Mich.
287	Eclair de Manure, E. I., & Co., Inc.	10th and Market Sts., Wilmington 90, Del. (N. Sea Francisco, Calif.; Newport and Wilmington, Del.; Chicago, Ill.; E. Chicago, Ind.; Ft. Madison, Iowa; Louisville, Ky.; Everett, Mass.; Flint, Mich.; Conway's Point, Greenwell, Linden, Newark, New Brunswick, Paris, and Perth Amboy, N. J.; Niagara Falls, N. Y.; Cleveland, Ohio; Philadelphia, Pa.; Chattanooga, Tenn.; La Porte and Orange, Tex.; Martinsville, Va.; and Belle, W. Va.).
220	Eaton Plastics & Chemicals, Inc.	Welch Rd., E. Yonkers, N. Y.
220	Ene Specialties Corp., Inc.	26 Journal Sq., Jersey City 6, N. J.
420	Elyon Co.	2307 N. 11th St., St. Louis 6, Mo.
420	Enlow, J. S., & W. N., Inc.	59 Berry St., Brooklyn 11, N. Y.
420	Eastern States Chemical Corp.	P.O. Box 3008, Harrisburg Sta., Houston 12, Tex.
240	Eastman Kodak Co.	343 State St., Rochester 4, N. Y.
400	Eastman Eastman Co. Div.	Eastman Rd., Kingsport, Tenn.
400	Eastman Eastman Co. Div.	P.O. Box 2066, Longview, Tex.
282	Eastman Laboratories	10 Pine St., South Norwalk, Conn.
90	Eaton, Thome A., Inc., Medical Gas Div.	P.O. Box 15, Staygreen Falls, N. Y.
220	El Bardo Oil Works	P.O. Box 599, Oakland 4, Calif.
34	Elmhurst Chemicals Consolidated Gas Co.	16 W. Jersey St., Elizabeth 4, N. J.
10	El Paso Industrial Gas Co.	P.O. Box 1492, El Paso, Tex.
427	Emery Chemical, Inc.	4300 Carver Tower, Cincinnati 2 (St. Bernard), Ohio.
220	Emery Chemical Co.	319 2d St., Elizabeth 1, N. J.
420	Emory Corp.	39 E. Madison St., Chicago 3, Ill.
400	Elate Products, Inc.	64-40 101st St., Richmond Hill 16, N. Y.
600	Esso Standard Oil Co.	P.O. Box 23, Linden, N. J.
600	Euclid Div.	P.O. Box 251, Baton Rouge 1, La.
280	Evap Corp.	100 Park Ave., New York 17, N. Y. (Baton Rouge, La.; Greengrove, S. C.; and Pasadena, Tex.).
190	Exel-Ex Chemical Co.	Midland, Mich. (Freeport, Tex.).
220	Exxon Chemicals, Inc.	250 E. 43d St., New York 17 (Waterloo), N. Y.
280	Exxon Chemical Co., Inc.	600 Ferry St., Newark 5, N. J.
280	Fairley & Leach Manufacturing Co.	7th and White Sts., Dubuque, Iowa.
280	Farmers' Chemical Co.	3713 W. Main St., Edinboro, Pa.
280	Farnham, W. W., Estate of	Box 269, E. Greenfield (Warwick), R. I.
280	Federal Color Laboratories, Inc.	4433 Forest Ave., Newark 12, Ohio.
280	Federal Paint Co., Inc.	33 Reister St., New York 6, N. Y. (Newark, N. J., and Brooklyn, N. Y.).
280	Felt Chemical Co., Inc.	999 Johnson Ave., Brooklyn 27, N. Y.
280	Ferro Chemical Corp.	Box 349, Bedford, Ohio.
280	Fiber Chemical Corp.	P.O. Box 218, Motown (Chillicothe), N. J.
280	Fine Salts Co.	21-29 McBride Ave., Paterson 1, N. J.
280	Fine Services, Inc.	211 E. 19th St., New York 3, N. Y. (Lodi, W. J.).
280	Firestone Tire & Rubber Co. (F.P.C.)	261 W. Wilbeth Rd., Akron 1, Ohio.
280	Firestone Tire & Rubber Co., Flammable Plastics Co. Div.	P.O. Box 690, Paterson, Pa.

See footnotes at end of table.



TABLE 25.--Synthetic organic chemicals: Directory of manufacturers, 1934--Continued

No.	Name of company	Office address (Location of plant given in parentheses if not in same city as office)
154	Fluorograph Laboratories, Inc.	900 Van Nest Ave., New York 62, N. Y.
172	Food Machinery & Chemical Corp.	Nitre, Va. Va.
45	Fine Bluff Chemical Co.	100 Niagara St., Middleport, N. Y. (Arsonal, Ark.)
430	Westvaco Chlor-Alkali Div. & Westvaco Mineral Products Div.	141 E. 42d St., New York 17, N. Y. (Newark, Calif., and S. Charleston, W. Va.)
480	Food Notes Co.	3000 Schaefer Rd., Dearborn (Highland Park), Mich.
230	Foster-Boston Co.	16 E. 5th St., Paterson 4, N. J.
263	Franny, Campbell & Darling, Inc.	Michigan Ave., Kenilworth, N. J.
999	Freeman Chemical Corp.	Scrivens, Wis.
141	Fries Bros., Inc.	271 Church St., New York 13, N. Y. (Bloomsfield, N. J.)
129	Fritzsche Brothers, Inc.	76 9th St., New York 11, N. Y. (Clifton, N. J.)
269	Frontier Chemical Co.	321 W. Douglas, Wichita, Kans.
280	Fulton, W. F., & Co.	301 Mission St., San Francisco 19, Calif.
473	Galloway Chemical Corp.	N. Water St., Oreming, N. Y.
42	Geum Chemical Corp.	220 E. 42d St., New York 17, N. Y. (Great Neck, N. Y.)
279	Gene's Chemical Works, Inc.	677 5th Ave., New York 22, N. Y. (Carlstadt, N. J.)
992	Geigy Chemical Corp.	89 Barclay St., New York 8, N. Y. (Cruxton, N. I.)
364	General Aniline & Film Corp., Dyestuff & Chemical Div.	P.O. Box 12, Linden, N. J. (Rommelaar, W. Y.)
199	General Color Co., Inc.	24 Ave. E, Newark 3, N. J.
989	General Electric Co., Chemical Materials Dept.	1 Flinction Ave., Pittsfield, Mass. (Anaheim, Calif.; Pittsfield, Mass.; Schenectady, N. Y.; and Cochenate, Ohio)
394	General Foods Corp., Macmillan House Div.	1123 Madison St., Hoboken, N. J.
200	General Mills, Inc.	400 M Ave., S., Minneapolis 1, Minn.
114	General Motors Corp., AC Spark Plug Div.	1300 N. Dix Highway, Flint 2, Mich.
437	General Petroleum Corp.	P.O. Box 2122, Torrance Annex, Los Angeles 24, Calif.
80	General Tire & Rubber Co. (F.F.C.) <sup>1</sup>	Baytown, Tex.
156	General Tire & Rubber Co., Chemical Div.	1706 Englewood Ave. at Balance, Akron (Naglers), Ohio.
125	Genesee Research Corp.	961 Lyall Ave., Rochester 6, N. Y.
296	George, P. B., Co.	2500 W. 2d St., St. Louis 7, Mo.
177	Gilman Paint & Varnish Co.	226 W. 6th St., Chattermore 1, Tenn.
399	Givens Corp.	109-201 Dolans Ave., Delmonico, N. J.
361	Gladstone Co.	11201 Madison Ave., Cleveland 2, Ohio (San Francisco, Calif.; Jacksonville, Fla.; Chicago, Ill.; Minneapolis, Minn.; Cleveland, Ohio; and Reading, Pa.)
		26 Court St., Brooklyn 1, N. Y. (Williamport, Pa.)
81	Glyco Products Co., Inc.	
	Gordrich, B. F., Co.	
434	Gordrich, B. F., Chemical Co. Div. (F.F.C.) <sup>1</sup>	224 Ross Bldg., Cleveland 15, Ohio (Port Neches, Tex., and Laurier, W. Va.)
467	Gordrich, B. F., Chemical Co. Div.	224 Ross Bldg., Cleveland 15, Ohio (Culvert City and Louisville, Ky.; Malden and Searcy, N. J.; Niagara Falls, N. Y.; and Akron and Avon Lake Village, Ohio)
424	Goudreau Tire & Rubber Co.	1144 S. Market St., Akron 16, Ohio.
	Parthender Chemical Corp.	3408 Baber Ave., Niagara Falls, N. Y.
173	Gordon Chemicals, Inc.	A & Lombard Sts., Wilmington 99, Del.
309	Gresin Processing Corp.	1602 Oregon St., Muscatine, Iowa.
129	Grand Rapids Varnish Corp.	1370 Steele Ave., St. Grand Rapids 2, Mich.
139	Great Northern Chemical Corp.	P.O. Box 4166, Corpus Christi, Tex.
977	Great Western Sugar Co.	P.O. Box 5308, Torrance Annex, Torrance (Johnstown), Ohio.
378	Grossman Textile Supply Co.	27 Mosler St., Warrick, N. I.
346	Griffin Chemical Co.	3000 16th St., San Francisco 7 (Richmond), Calif.
286	Gulf Oil Corp.	Gulf Bldg., Pittsburgh 30, Pa.
467	Guyton Color & Chemical Works	Box 1098, Huntington, W. Va.
113	Haley Products Co.	P.O. Box 364, Wilmington 99, Del.
971	Hall, C. F., Co. of Illinois	5143 V. 67th St., Chicago 36, Ill.
242	Halogen Chemicals, Inc.	1905 Chariton Dr., Columbia 3, S. C.
300	Hampden Color & Chemical Co.	5 Albany St., Springfield 1, Mass.
41	Hanna Paint Manufacturing Co., Industrial Div.	1513 Windsor Ave., Columbus 14, Ohio.
	Harker Fibre Corp.	Box 940, Aberdeen, Wash.
196	Harvey Chemical Co.	1243 E. 87th St., Cleveland 4, Ohio (Glassboro City, N. J.)
425	Hart Chemicals, Inc.	397 W. 22d St., Ballston, Mich.
324	Hart Products Corp.	1640 Broadway, New York 14, N. Y. (Jersey City, N. J.)
7	Harrison-Lakham Co.	3621 Market St., Philadelphia 39, Pa.
224	Hawallow Powder Co.	900 Market St., Wilmington 99, Del. (Broomfield, Ga.) Hannibal, Mo.; Hattiesburg, Miss.; Burlington, Nevil, and Paris, N. J. and Hopewell, Va.)
362	Heurtois & Chemical Co.	622 S. 14th St., Weaverville, Wis.
464	Hesperus Laboratories, Inc.	2936 Peachtree Ave., New York 69, N. Y.
989	Hyden Chemical Corp.	342 Madison Ave., New York 17, N. Y. (Pardo and Garfield, N. J.)
463	Huffman-Laback, Inc.	324-424 Ringwood Rd., Netley 10, N. J.
515	Huffman-Taff, Inc.	V. Bennett Street Rd., Springfield, Mo.
536	Hulman Color & Chemical Co.	492 Douglas Ave., Holliand, Mich.
552	Hubner-Detzer, Inc.	Buffalo Ave. & 47th St., Niagara Falls, N. Y. (Lakewood, Ohio, and Teasdale, Wash.)
949	Hubner Electrochemical Co.	Buffalo Ave. & 47th St., Niagara Falls, N. Y.
993	Hughes, H. F., & Co.	303 W. Lehigh Ave., Philadelphia 33, Pa.
98	Huggins, James, & Son, Inc.	239 Madford St., Haledon 48, Mass.
361	Humble Oil & Refining Co.	P.O. Box 2180, Houston 1 (Baytown), Tex.

See footnote at end of table.

TABLE 27.--Synthetic organic chemicals: Directory of manufacturers, 1934--Continued

No.	Name of company	Office address (Location of plant given in parentheses if not in same city as office)
430	Humble Oil & Refining Co. (F.F.C.) <sup>1</sup>	P.O. Box 4327, Baytown, Tex.
370	Humphrey-Wilkinson, Inc.	DeVine St., North Haven, Conn.
435	Huron Milling Co.	9 Park Pl., New York 7, N. Y. (Harbor Beach, Mich.)
994	Hyslop, Jullien, & Co.	P.O. Box 2171, Denver 1, Colo.
15	Hyslop, Westbrook & Dunning, Inc.	Charles & Chase Sts., Bellmore 1, N.Y.
990	Imperial Chemical Corp.	West 6th & Green Sts., Shreveport, La.
329	Imperial Paper & Color Corp., Pigment Color Div.	P.O. Box 231, Glens Falls, N. Y.
130	Inhall Chemical Corp.	910 S. Michigan Ave., Chicago 60, Ill. (Whiting, Ind.)
300	Industrial Dyestuff Co.	Massachusetts Ave., E. Providence 14, S. I.
36	Industrial Products, Inc.	219 S. Lawrence St., Greenville, S. C.
300	Inland Alkali Co.	Tipton, Ind.
43	Inland Steel Container Co.	6532 S. Howard Ave., Chicago 36, Ill.
400	Interchemical Corp.	
	Finishes Div.	
400	International Minerals & Chemical Corp.	224 Webster St., Newark 1, N. J. (Los Angeles, Calif.; Chicago, Ill.; Elizabeth and Newark, N. J.; and Cincinnati, Ohio)
500	International Minerals & Chemical Corp.	1300 Niagara Ave., Northboro, N. J.
30	Ironclad Co.	20 W. Vacher Dr., Chicago 6, Ill. (San Jose, Calif.; Stokie, Ill.; Niagara Falls, N. Y.; and Roseford, Ohio)
426	Irrington Varnish & Insulator Div. of Minnesota Mining and Manufacturing Co.	270 W. Grand St. (P.O. Box 1999), Columbus 16, Ohio. 6 Argyle Ter., Irvington 11 (Newark), N. J.
106	Jaffron Chemical Co., Inc.	260 Madison Ave., New York 16, N. Y. (Aurora and Port Neches, Tex.)
400	Janison-Wright Corp.	2443 Broadway, Toledo 9, Ohio.
100	Janney, Charles Ross, Co., Inc.	1024 & Lombard Sts., Philadelphia 47, Pa.
273	Jones-Delany Co.	1461 S. 11th St., Louisville 6, Ky.
321	Jordan, Jr., W. H., & F., Manufacturing Co.	2126 E. Somerset St., Philadelphia 34, Pa.
301	Kali Manufacturing Co.	
30	Kalida Corp.	427 E. Myer St., Philadelphia 25, Pa.
302	Kay-Price Chemicals, Inc.	S. Canal St., Lawrence, Mass.
29	Kelco-Beadley Corp.	180 Madison Ave., New York 16 (West Secretariat), N. Y.
604	Kelco Products Co., Inc.	40 Oliver St., Boston 10 (Everett), Mass.
407	Kemul Refining Co.	229 High St., Newark 2, N. J.
	Kennett Copper Corp.	77 N. Front St., Bradford, Pa.
366	Chem Mine Div.	
300	Kay Copper Div.	
20	Ketchum Color & Chemical Co.	721 Kearns Bldg., Salt Lake City 10 (Garfield), Utah.
600	Ketchum Synthetic Rubber Corp. (F.F.C.) <sup>1</sup>	600 N. 34th St., Louisville 12, Ky. Louisville Ky.
300	Kessler Chemical Co., Inc.	
397	Ketone Chemical Corp.	State Rd. and Cottman Ave., Philadelphia 35, Pa.
300	Ketone Color Works, Inc.	R. D. 31, Bethelton, Pa.
300	Ketone Paint & Varnish Corp.	151 W. Gray Ave., York, Pa.
6	Kilbuck Chemical Corp.	71 Chicago St., Brooklyn 31, N. Y.
100	Klinger Chemical Co.	101 Canal St., Lock Haven, Pa.
100	Kobayashi, H., & Co., Inc.	651 High St., Lancaster 1, Pa.
400	Koppers Co., Inc.	83-93 Park Pl., New York 7 (Brooklyn), N. Y.
	Chemical Div.	
	For Products Div.	
300	Koppers Bldg., 430 7th Ave., Pittsburgh 19, Pa. (Nobara, Kansas, Oil City, and Petrolia, Pa.; and Fort Arthur, Tex.)	
300	Koppers Bldg., 430 7th Ave., Pittsburgh 19, Pa. (Woodward, Ala.; Fontana, Calif.; New Haven, Conn.; Chicago, Ill.; Chalmers, La.; Portland, Maine; Everett and Westfield, Mass.; St. Paul, Minn.; St. Louis, Mo.; Searcy and Westfield, N. J.; Buffalo, Rochester, and Stone, N. Y.; Hamilton, Warren, and Youngtown, Ohio; Roseland and Silverdale, Pa.; E. Providence, N. J.; Memphis, Tenn.; Houston, Tex.; Fallsmoore, W. Va.; and Carrollville, Wis.)	
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TABLE 27--Synthetic organic chemicals: Directory of manufacturers, 1934--Continued

No.	Name of company	Office address (location of plant given in parentheses if not in same city as office)
116	H & H Wood Working Co.	2201 N. Columbia Blvd., Portland 17, Oreg.
232	Hume & Waldstein Co.	2121 McArthur Bldg., Newark 4, N. J.
142	Magnolia Petroleum Co.	P.O. Box 900, Dallas 21 (Downtown), Tex.
464	Magnesium Color Co., Inc.	2368 Richmond Ter., Staten Island 2, N. Y.
377	Mallinckrodt Chemical Works	3600 E. 24 St., St. Louis 7, Mo. (Jersey City, N. J.)
218	Mallinckrodt Chemical Works, Inc.	360-250 High St., Newark 1, N. J.
428	Martinson Corp.	Kothschild, Wis.
372	Martinsville Corp.	37-21 30th St., Long Island City 1, N. Y.
61	Martinsville Corp.	300 Columbia St., Amherstville 43, Mass.
131	Martinsville Chemical Corp.	1311 Byron St., High Point, N. C.
340	Martinsville Chemical Corp.	188-194 Colt St., Irvington 11, N. J.
392	Martinsville Chemical Corp.	43 W. 16th St., New York 11, N. Y. (Newark, N. J.)
348	Matheson Chemical Co.	2 Oak St., Toledo 5, Ohio
401	May, Otto S., Inc.	32 Amsterdam St., Newark 3, N. J.
293	Maywood Chemical Works	100 W. Hunter Ave., Maywood, N. J.
474	McCleary Carbide Co.	7600 State Rd., Philadelphia 34, Pa.
255	McCleary Chemical Co.	1040 Midland Bldg., Cleveland 15, Ohio
493	McCleary Chemical Corp.	4122 W. Grand Ave., Chicago 31, Ill.
340	Meredith & Co., Inc.	Lincoln Ave., Rahway, N. J. (Albany, Ga.; Rahway, N. J.; Danville and West Point, Va.; and Elkhart, Va.)
364	Meridian Co.	3101 Female St., Houston 4 (Green's Bayou), Tex.
104	Merrell, H. S., Co.	Galbreath Rd. and Pennsylvania St., Cincinnati 15, Ohio
367	Mesa Chemical Corp.	214-1/2 Washington Ave., Carlsbad, N. J.
309	Metalloys Corp.	300 Wagoner Rd., Maesterson, N. J.
421	Metro-Atlanta, Inc.	2072 South St., Cantonville 11, N. E.
117	Metrol-Blawieck Corp.	129 W. Galbraith St., West Warwick, R. I.
94	Metrol, J., & Sons	4371 N. 4th St., Philadelphia 40, Pa.
343	Methanol Chemical Corp.	302 S. Bushwick St., St. Louis, Mich.
468	Methanol Industrial Finishes Co.	E. Water St., Woodstock, Ill.
604	Methanol Synthetic Rubber Co. (P.F.C.) <sup>1</sup>	Los Angeles, Calif.
74	Miles Laboratories, Inc.	Elkhart, Ind.
67	Miscell Oil Refining Co.	P.O. Box 673, Richmond, Tex.
32	Minnesota Paste, Inc.	1101 S. 34 St., Minneapolis 15, Minn.
99	Miscell Chemical Co., Inc.	277 Colt St., Irvington 11, N. J.
314	Miscell Paint Co., Inc.	303 Eastern Ave., Chelsea 50, Mass.
208	Miscell Chemical Co.	800 E. 12th Blvd., St. Louis 1, Mo. (Anniston, Ala.; Long Beach and Santa Clara, Calif.; Peasoto, Ill.; Camden, N. J.; Everett and Springfield, Mass.; Trenton, Mich.; Texas City, Tex.; Seattle, Wash.; and Nitro, W. Va.)
580	Mitsubishi Chemical Co.	120 Lister Ave., Newark 5, N. J.
508	Mitsubishi Chemical Corp. of California	634 Wilshire Blvd., Los Angeles 17 (Torrance), Calif.
553	Mitsubishi Chemical Products, Inc.	314 W. Henry St., Spartanburg, S. C.
213	Morton-Waters Chemical Co.	2110 High Point Rd., Greensboro, N. C.
192	Murver Paint Co.	348 14th St., Oakland 12, Calif.
376	National Biochemical Co.	3106 W. Lake St., Chicago 12, Ill.
257	National Chlorophyll & Chemical Co.	Lamar, Colo.
404	National Lead Co.	111 Broadway, New York 6, N. Y. (Porth Amoy, N. J., and Philadelphia, Pa.)
222	National Petro-Chemicals Corp.	Box 109, Tuncola, Ill.
243	National Polychemicals, Inc.	Edmore St., Wilmington, Mass.
341	National Starch Products, Inc.	270 Madison Ave., New York 18, N. Y. (Plainfield, N. J.)
608	Nobelskiy Petrochemicals Co. (P.F.C.) <sup>1</sup>	P.O. Box 1533, Port Arthur, Tex.
204	Novope Chemical Co., Inc.	21 Grey Oaks Ave., Yonkers 2 (Rosville), N. Y.
176	Noville Chemical Co.	Noville Island, Pittsburgh 25, Pa. (Anshelm, Calif.)
582	New Jersey Zinc Co. (of Pa.)	160 Bond St., New York 36, N. Y. (Palmerton, Pa.)
31	Newport Industries, Inc.	P.O. Box 511, Painesville, Fla.
338	New York Color & Chemical Co., Div. of American Dyewood Co.	Main & Jerusalem Sts., Belleville 9, N. J.
594	New York Ohio Chemical Corp.	P.O. Box 616, Niagara Falls, N. Y.
595	New York Organic & Chemical Works, Inc.	30 Church St., New York 7, N. Y. (Newark, N. J.)
63	Niacor Alkali Co.	60 E. 42d St., New York 17 (Niagara Falls), N. Y.
1	Nick Chemicals, Inc.	2000 College Ave., Niagara Falls (Loshpart), N. Y.
466	Nimel Laboratories, Inc.	1719 S. Clinton St., Chicago 16, Ill.
377	Novellier, A. F., Co.	Box 1007, Oakbrook, Wis.
360	Novope Chemical Co., Inc.	Lat and Essex Sts., Harrison, N. J. (Richmond, Calif.; Cedarhurst, Ga.; and Harrison, N. J.)
132	Nucleo Essential Oil & Chemical Co., Inc.	601 W. 26th St., New York 1, N. Y. (Dorchester, N. J.)
3	Northeastern Chemical Co.	120 N. Aurora St., West Chicago, Ill.
177	Norwich Pharmaceutical Co.	17 Eaton Ave., Norwich, N. Y.
99	Novus Products Co., Inc.	830 Magnolia Ave., Elizabeth, N. J.
208	Ohio Chemical & Surgical Equipment Co.	1400 E. Washington Ave., Madison 10, Wis. (Cleveland, Ohio)
439	Oil & Chemical Products, Inc.	299 Madison Ave., New York 17, N. Y. (Houston, Tex.)
100	Olefin Electro-Chemical Co.	2001 Pacific Ave., Niagara Falls, N. Y.
378	Olefin Electro-Chemical Co.	303 5th Ave., New York 36, N. Y. (Cambridge, Framingham, New Bedford, and Worcester, Mass.)
64	Old Hickory Chemical Co., Inc.	P.O. Box 1480, Richmond 12, Va. (Old Hickory, Tenn.)
343	Olds Petroleum Chemical Corp.	10 Light St., Baltimore 3, Md. (Banterville and Red Bank, Ala.; Dan Sun, Ky.; Lake Charles, La.; Niagara Falls, N. Y.; and Morgantown, W. Va.)
438	Oquith, E. S., & Sons	745 - 5th Ave., New York 22, N. Y. (New Brunswick, N. J., and Brooklyn, N. Y.)
295	Oxy Oil and Chemical Co.	Warren & Morris Ste., Jersey City 2, N. J.

See footnotes at end of table.

TABLE 27--Synthetic organic chemicals: Directory of manufacturers, 1934--Continued

No.	Name of company	Office address (location of plant given in parentheses if not in same city as office)
361	Orbita Products Corp.	601 W. 26th St., New York 1, N. Y. (Newark, N. J.)
430	Organic Chemical Corp.	74-84 Valley St., N. Providence, R. I.
142	Oxide Corp., Inc.	1724 Greenleaf Ave., Chicago 26, Ill.
431	Oxide Chemical Co.	200 Bush St., San Francisco 4, Calif. (Oak Point, La.)
170	Oxide Chemical Corp.	44-26 Purvis St., Long Island City 1, N. Y.
213	Oxide, G. J., Co.	132 Nassau St., New York 36, N. Y. (London, N. J.)
213	Oxford Oil Co.	493 Cortlandt St., Belleville 9, N. J.
179	Oxford Corp.	338 Hurrie St., Toledo 4, Ohio
397	Pacific Products, Inc.	473 Brumans St., San Francisco 19 (Berkeley), Calif.
405	Pacific Printing Co.	917 V. Jumpen, Milwaukie 10, Wis. (Pacifica, Ill.)
264	Pacific Point & Varnish Co.	4th and Cedar Ste., Berkeley 10, Calif.
681	Pacific Yarn Products, Inc.	703 5th St., Waco, Calif.
144	Pac American Refining Corp.	P.O. Box 401, Toms City, Tex.
109	Paco, Davis & Co.	Foot of Joseph Campes, Detroit 32, Mich.
91	Parke, H. W., Plymouth, Inc.	59 Madison St., New York 38 (Brooklyn), N. Y.
262	Parsons Chemical, Inc.	135 Malcolm Blvd., Paterson 4, N. J.
263	Par-Louis Laboratories, Inc.	4253 N. Post Washington Rd., Milwaukee 12, Wis.
327	Parsons Products Co.	610 E. Clarence Ave., St. Louis 15, Mo.
290	Park-Knox Chemical Co., Inc.	P.O. Box 348, Lock Haven, Pa.
76	Parrick Chemical Co.	3650 Oakland Blvd., Detroit 4, Mich.
261	Parsons Color Co., Inc.	521-523 North Ave., Plainfield, N. J.
287	Parish, S. B., & Co.	50 Church St., New York 6, N. Y. (Jersey City, Lynchburg, and Murfreesboro, N. J.)
61	Pennsylvania Industrial Chemical Corp.	120 State St., Clairton (Chester), Pa.
62	Pennsylvania Refining Co.	Bartler (Knox City), Pa.
288	Pennsylvania Salt Manufacturing Co.	1000 Widener Bldg., Philadelphia 7, Pa. (Calvert City, Ky.; Watrous, Pa.; and Portland, Oreg.)
326	Permutit Co.	350 W. 42d St., New York 36, N. Y. (Birmingham, N. J.)
270	Petrol Chemical Co.	2775 Bevan Ave., New York 63, N. E.
427	Petrolite Corp. (Treatrite Co. Div.)	349 Marshall Ave., Webster Groves 19, Mo.
432	Physical Laboratories, Inc.	104 Lehigh Ave., Ventnor, Ill.
259	Pittco Chemical Works, Inc.	Foot of Linden Ave., Ridgefield, N. J.
260	Pittner, Chas., & Co., Inc.	630 Flushing Ave., Brooklyn 6, N. Y. (Grafton, Conn., and Vigo, Ind.)
426	Plasma Chemical Corp.	179 5th Ave., New York 10, N. Y. (Bayonne, N. J.)
295	Phillips Petroleum Co. (P.F.C.) <sup>1</sup>	Bartlesville, Okla. (Phillips, Tex.)
296	Phillips Oil Co.	9205 Cassius Ave., Cleveland 5, Ohio
330	Pittman-Nore Co., Div. of Allied Laboratories, Inc.	1200 Madison Ave., Indianapolis 2, Ind.
265	Pittsburgh Coke & Chemical Co.	Pittsburgh 25, Pa.
428	Pittsburgh Plate Glass Co.	Great Bldg., Pittsburgh 19, Pa.
26	Plantec Engineering Co.	1 Gateway Center, Pittsburgh 22, Pa. (Torrance, Calif.; Atlanta, Ga.; Detroit, Mich.; Newark, N. J.; Burlington, Cleveland, and Dayton, Ohio; Springfield, Pa.; Houston, Tex.; Houston, N. Y.; and Milwaukee, Wis.)
266	Plasticol Co.	1607 Geola Ave., Moberly, Mo.
267	Plasticol Co.	494 Santa Point Ave., New York 29, N. Y.
268	Polaroid Ink & Color Co.	Public Service Bldg., Portland 4, Oreg.
269	Polyphosphor Spheroclay Corp.	77 N. Water St., Poughkeepsie, N. Y.
271	Pott & Lambert, Inc.	75 Tenthredine St., Buffalo 7, N. Y.
272	Pratt Pharmaceutical Laboratories, Inc.	111 Lansing St., S. Eshamond, N. J.
273	Pratt & Smith Co.	Ogden Bldg., 8th & Main Sts., Cincinnati 2, Ohio (Long Beach and Sacramento, Calif.; Chicago, Ill.; Kansas City, Mo.; Baltimore, Md.; Quincy, Mass.; St. Louis, Mo.; Staten Island, N. Y.; St. Bernard, Ohio; and Dallas, Tex.)
274	Pratt & Smith Co.	417 S. Hill St., Los Angeles 13 (Santa Fe Springs), Calif.
275	Pratt & Smith Co.	1425 Walnut St., Philadelphia 2, Pa.
276	Pure Oil Co.	300 Laurel St., Bellingham, Wash.
277	Pure Oil Co.	35 N. Veeber Dr., Chicago 1, Ill. (Toledo, Ohio; Ballwin, Mo.; and New York, N. Y.)
278	Pure Oil Co.	9900 Bay Ave., South Gate, Calif. (St. Louis, Mo.)
279	Pure Oil Co.	Valley Rd., Rockton, Ill.
280	Pure Oil Co.	Line & Elm Sts., Conestoga, Pa.
281	Pure Oil Co.	Marshall Ave., Chicago 34, Ill. (Cedar Rapids, Iowa; Omaha, Neb.; and Memphis, Tenn.)
282	Pure Oil Co.	690 New Hill River Rd., Ardley, N. Y.
283	Pure Oil Co.	75 E. Main St., Stratford, Conn.
284	Pure Oil Co.	110-112 Main St., Evansville 8, Ind.
285	Pure Oil Co.	325 N. Broadway, White Plains, N. Y. (Tomboloco, Ala.; Arcum and San Francisco, Calif.; Argo, Ill.; Ballwinville, Mass.; Peruda, Mich.; Elizabeth, N. J.; Brooklyn, N. Y.; Charlotte, N. C.; and Seattle, Wash.)
286	Pure Oil Co.	1615 Morebents Bank Bldg., Indianapolis 4, Ind. (Chicago and Granite City, Ill.; Indianapolis, Ind.; Newark, N. J.; Cleveland and Dover, Ohio; Chattanooga, Tenn.; Lone Star, Tex.; and Fairmount, W. Va.)
287	Pure Oil Co.	4730 Crittenden Dr., Louisville 9, Ky.
288	Pure Oil Co.	939 Burman Ave., Bridgeport 2, Conn.
289	Pure Oil Co.	1615 Morebents Bank Bldg., Indianapolis 4, Ind. (Mobile and Florence, Ala.; Indianapolis, Ind.; St. Louis Park, Minn.; Lima, Ohio; Irwinton, Utah; Norfolk, Va.; and Seattle, Wash.)

See footnotes at end of table.



## UNITED STATES TARIFF COMMISSION

TABLE 27...Synthetic organic chemicals: Directory of manufacturers, 1954--Continued

No.	Name of company	Office address (location of plant given in parentheses if not in same city as office)
219	Warner Drug & Chemical Co.	799 Beethoven Ave., Cincinnati 22, Ohio.
76	Western Condensing Co.	P.O. Box 739, Appleton (Madell), Wis.
164	Western Dry Color Co.	600 W. 32d St., Chicago 9, Ill.
163	Westinghouse Electric Corp.	401 Liberty Ave., P.O. Box 2278, Pittsburgh 30 (Diet Pittsburgh), Pa.
442	Westville Laboratories	Stephens (Harris), Conn.
96	Wetherill, George D., Vernalis Co.	Haddon Ave. & White Horse Pike, Camden 3, N. J.
166	Wheeler, Reynolds & Stauffer	636 California St., San Francisco 8 (Richmond), Calif.
77	White & Bagley Co.	120 Foster St., Worcester 8, Mass.
102	White & Hedges, Inc.	2 Wellington Ave., Everett 49, Mass.
498	Whitcomb-Whit Co., Inc.	42 Alfred St., Charleston 29, Mass.
490	Wick Co., Inc.	P.O. Box 308, Charlotte 1, N. C.
11	Wilmet & Cassidy, Inc.	108-112 Pruevit St., Brooklyn 22, N. Y.
278	Wilson Laboratories	4221 S. Western Ave., Chicago 9, Ill.
237	Wilson Organic Chemicals, Inc.	P.O. Box 452, Sayreville, N. J.
247	Witthrop-Stearns, Inc.	1450 Broadway, New York 18 (Rensselaer), N. Y.
128	Witco Chemical Co.	240 Madison Ave., New York 16, N. Y. (Lyonswood, Calif.; Chicago, Ill.; and Brooklyn, N. Y.)
373	Witte, John H., & Sons	206 Jefferson St., Burlington, Iowa.
445	Wolf, Jacques, & Co.	356 Lexington Ave., Passaic, N. J.
374	Wynndotte Chemicals Corp.	1609 Biddle Ave., Wyandotte, Mich.
471	Wyeth Laboratories, Inc.	1401 Walnut St., Philadelphia 2, Pa. (Chicago, Ill.; and Noriatta, Philadelphia, and West Chester, Pa.)
446	Young Amiline Works, Inc.	2721 Boston St., Baltimore 24, Md.
366	Zinco & Co., Inc.	Hastings-on-Hudson 6, N. Y.
379	Zura, G. F., Co.	2726 N. Broad St., Philadelphia 22, Pa.

<sup>1</sup> P.F.C. in parentheses following the name of a company indicates U. S. Government plant operated for the Federal Facilities Corporation.

## APPENDIX

## A. United States Imports of Coal-Tar Intermediates and Finished Coal-Tar Products

Table 28 summarizes, for the period 1952-54, United States imports of coal-tar products dutiable under paragraphs 27 and 28 of the Tariff Act of 1930. The data, which were obtained by analyzing invoices covering imports through all United States customs districts, are given in detail in a separate report of the Tariff Commission.<sup>1</sup>

Imports in 1954 of coal-tar chemicals entered under paragraph 27, virtually all of which are intermediates, totaled 8.6 million pounds, with a foreign invoice value of 4.5 million dollars. In 1953, imports were 22.3 million pounds, valued at 5.4 million dollars, and in 1952 they were 3.0 million pounds, valued at 1.7 million dollars. The very large decrease in the quantity of imports in 1954, compared with 1953, was due primarily to greatly reduced imports of phthalic anhydride (681,000 pounds in 1954, compared with 16.7 million pounds in 1953). About three-fourths of all imports of intermediates in 1954 came from Germany and the United Kingdom. Imports from Germany totaled 4.9 million pounds in 1954, compared with 7.7 million pounds in 1953; imports from the United Kingdom were 1.9 million pounds in 1954, compared with 4.9 million pounds in 1953. In 1954 sizable quantities of intermediates were also imported from the Netherlands and Switzerland.

In terms of quantity, the three most important intermediates imported were adipic acid, caprolactam, and naphthalene. Imports of naphthalene totaled 1.3 million pounds in 1954, and imports of adipic acid and caprolactam each totaled 1.1 million pounds. Imports of adipic acid came entirely from Germany; caprolactam, chiefly from Germany; and naphthalene, principally from Germany and the Netherlands. In 1954 there also were sizable imports of phthalic anhydride (681,000 pounds), principally from Germany and Italy, and m-chloroaniline (403,000 pounds), all from Germany.

In 1954, imports of all finished coal-tar products that are dutiable under paragraph 28 totaled 4.1 million pounds (actual weight), with a foreign invoice value of 8.7 million dollars, compared with 3.4 million pounds, valued at 6.9 million dollars in 1953, and 4.5 million pounds, valued at 6.9 million dollars, in 1952. It should be noted that the data for 1953 and 1954 are based on general imports, whereas the data for 1952 are based on imports for consumption. The differences between general imports and imports for consumption are small, however, so that the data for the 3 years are comparable.

<sup>1</sup> U. S. Tariff Commission, *Imports of Coal-Tar Products, 1954* [processed].