

CO. BULGARIA

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JUN 24 1981

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DON'T SAY IT—WRITE IT

Location WILMINGTON, F. & F.

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Subject F. & F. CODE LIST FOR PRIME PIGMENTS

Date 6/15/81

CC: J. G. King, Troy
G. J. Patterson, Mar. Lab.
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Please find attached a revised section of the "Classification Index of Raw Materials" covering Prime Pigments. This section was revised to include C & P and some other suppliers identifications and is intended to replace the F. & F. Code List Lee Andrews issued prior to 1978. This will give the required C & P - F. & F. tie-in. This classification index will be updated annually and is a part of our Technical Manual Section III-D-1.

FWC:jmc
6/15/81
ATTACH.

INVEST IN SAFETY—THE INTEREST IS HIGH!

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F. & F. TECHNICAL MANUAL III-D-1 SECTION ON PRIME PIGMENTS

VII. WHITE PIGMENTS

- A. LEAD
- B. LITHOPONE
- C. TITANIUM DIOXIDE
- D. ZINC OXIDE
- E. MISCELLANEOUS

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- B. INORGANIC
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- E. RED LEAD
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(XIV. METAL PIGMENTS

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- B. ZINC
- C. MISCELLANEOUS

XV. PEARLESCENT AND SPECIALTY PIGMENTS

XVI. DYES

VII. WHITE PIGMENTS

VII-A. LEAD

VII-B. LITHOPONE

W-13 LITHOPONE MED.

VII-C. TITANIUM DIOXIDE

W-9	TI-PURE LW CHLORIDE ANATASE-UNTREATED
W-17	TI-PURE R-941 (SLURRY)
W-27	TI-PURE R-942 (SLURRY)
W-29	TI-PURE R-931-(01)
W-93	TI-PURE R-100-(01)
W-123	TI-PURE R-900-(01)
W-126	TI-PURE R-900-(48)
W-131	TI-PURE R-960-(08)
W-180	TI-PURE R-902-(28)
W-185	TI-PURE R-902-(08)

VII-D. ZINC OXIDE

W-8	ZINC OXIDE-AMER. PROCESS
W-10	ZINC OXIDE-FINE PART. SIZE HI-REACTIVITY
W-41	ZINC OXIDE-MED.
W-65	ZINC OXIDE
W-75	ZINC OXIDE-FRENCH PROCESS
W-78	ZINC OXIDE-FINE
W-148	ZINC OXIDE-MED.

VII-E. MISCELLANEOUS

W-11 CALCIUM AND ZINC MOLYBDATE

VIII. BLACKS

VIII-A. CARBON BLACKS

W-203	HI-COLOR FURNACE BLACK BP-1300 (CABOT)
W-205	LAMP BLACK
W-208	GRAPHITE
W-211	FURNACE BLACK IN VINYL RESIN
W-220	FURNACE BLACK HI-COLOR MONARCH 1300 (CABOT)
W-222	FURNACE BLACK LO-COLOR
W-224	CARBON BLACK PELLETS
W-225	FURNACE BLACK POWDER
W-233	CARBON BLACK PELLETS LOW-COLOR
W-234	OIL FURNACE CARBON BLACK
W-235	MINERAL BLACK
W-241	COLLOIDAL GRAPHITE (AQUADAG)
W-243	CARBON BLACK POWDER
W-245	FURNACE TYPE CARBON BLACK POWDER
W-247	LAMP BLACK-AQUEOUS PASTE

W-253	PEPTIZED CARBON BLACK A-148-D
W-256	HI-COLOR BLACK CHIPS
W-259	HI-COLOR BLACK BEADS FW-200 (DEGUSSA)
W-267	RAVEN BLACK POWDER
W-279	CARBON BLACK
W-289	DARCO S-51
W-294	BONE BLACK
W-297	CARBON BLACK PELLETS

VIII-B. INORGANIC

W-200	BLACK IRON MANGANESE OXIDE
W-215	BLACK IRON OXIDE
W-236	JET BLACK (COPPER AND CHROMIUM OXIDES)
W-250	BLACK IRON OXIDE
W-285	BLACK IRON OXIDE

VIII-C. MISCELLANEOUS

IX. RED PIGMENTS

IX-A. CADMIUM

IX-B. IRON OXIDE

W-355	DARK MAROON IRON OXIDE-PRECIPITATED RO-8097 (PFIZER)
W-362	RED IRON OXIDE LIGHT-PRECIPITATED RO-3097 (PFIZER)
W-366	RED IRON OXIDE-99PCT Fe_2O_3
W-369	RED IRON OXIDE-80PCT Fe_2O_3
W-377	BURNT SIENNA
W-392	RED IRON OXIDE-95PCT Fe_2O_3 RO-5097 (PFIZER)
W-828	RED IRON OXIDE PRECIPITATED
W-834	RED IRON OXIDE LO-OPACITY
W-841	PURE RED IRON OXIDE-PRECIPITATED
W-847	PURE RED IRON OXIDE
W-870	PRIMER RED IRON OXIDE
W-895	RED IRON OXIDE

IX-C. MAROON LAKES AND TONERS

W-312	THIOFAST RED MV-6606 (MOBAY)
W-393	MONASTRAL MAROON RT-792-D
W-804	THIO FAST RED LAKE MV-6655 (MOBAY)
W-805	MONASTRAL MAGENTA TONER RT-243-D
W-813	NOVOPERM RED VIOLET MRS (AM. HOECHST)
W-818	MONASTRAL VIOLET RT-795-D
W-820	NEWPORT MAROON RT-647-D
W-823	PERRINDO RED R-6418 (MOBAY)
W-829	PERRINDO MAROON R-6424 (MOBAY)
W-845	MONASTRAL VIOLET RT-201-D
W-846	MONASTRAL MAROON RT-209-D
W-856	PERRINDO MAROON R-6422 (MOBAY)
W-867	PERRINDO MAROON TAE DISPERSION

IX-D. RED LAKES AND TONERS

W-300	BON RED DARK RT-695-D
W-328	BON RED LIGHT RT-565-D
W-337	NOVOPERM RED F3RK-70 (AM. HOECHST)
W-399	MONASTRAL RED PASTE RW-768-P
W-800	DARK TOLUIDINE RED DISP
W-811	MONASTRAL RED YRT-759-D
W-819	MONASTRAL RED RT-796-D
W-837	DARK TOLUIDINE RED DISP. APC
W-838	WATCHUNG RED RT-428-D
W-839	MONASTRAL VIOLET RT-887-D
W-849	LIGHT TOLUIDINE RED DISP. APC
W-853	MONASTRAL RED RT-233-D
W-862	LIGHT TOLUIDINE RED DISP.
W-863	WATCHUNG RED IN VINYL RESIN
W-865	LIGHT TOLUIDINE RED TONER
W-880	PARACHLOR RED RT-427-D
W-890	MONASTRAL RED RT-218-D

IX-E. LEAD

W-349	RED LEAD 97%
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IX-F. MISCELLANEOUS

W-308	MADDER LAKE
W-396	NAPHTHANIL RED LIGHT RT-531-D

X. BROWN PIGMENTS

X-A. IRON OXIDES

W-400	TRANSPARENT RED IRON OXIDE DISPERSION
W-403	HYDROUS IRON OXIDE DISPERSION
W-406	TRANSPARENT RED IRON OXIDE DISPERSION
W-409	BROWN IRON OXIDE (HOOVER BROWN)
W-412	TRANSPARENT RED IRON OXIDE DISPERSION
W-419	TURKEY BURNT UMBER
W-420	RAW UMBER W-242 HYDROUS IRON OXIDE DISPERSION
W-425	HYDROUS IRON OXIDE DISPERSION
W-429	BURNT UMBER
W-430	TRANSPARENT IRON OXIDE RED
W-438	HYDROUS IRON OXIDE DISP.
W-439	TRANSPARENT RED IRON OXIDE DISPERSION
W-441	TRANSPARENT RED IRON OXIDE DISPERSION
W-460	TRANS. RED IRON OXIDE CHIP
W-464	TRANS. RED IRON OXIDE DISP.
W-467	HYDROUS IRON OXIDE DISPERSION
W-468	TRANS. IRON OXIDE RED TONER
W-469	TRANS. IRON OXIDE TONER
W-484	TRANS. IRON OXIDE RED DISPERSION

X-B. MISCELLANEOUS

W-416	CUPROUS OXIDE
W-426	VAN DYKE BROWN
W-437	BROWN PIGMENT #19 (SHEPHERD)
W-440	BROWN PIGMENT #19 DFA (SHEPHERD)

XI. BLUE PIGMENTS

XI-A. IRON BLUE

W-582	IRON BLUE
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XI-B. PHTHALOCYANINE BLUE

W-505	MONASTRAL BLUE B-BT-284-D
W-508	PHTHALOCYANINE BLUE B-4704 (MOBAY)
W-530	MONASTRAL BLUE B-BN-431-P (AQ. DISP.)
W-537	MONASTRAL BLUE BT-425-D
W-539	PHTHALOCYANINE BLUE TONER (GREEN SHADE) (CIBA GEIGY)
W-550	MONASTRAL BLUE G, BT-383-D
W-551	MONASTRAL BLUE BF, BL-282-D
W-552	MONASTRAL BLUE GF, BT-417-D
W-555	PHTHALO BLUE LAKE-FLUSHED
W-557	PHTHALO BLUE LAKE-GREEN SHADE BL-426-D
W-558	MONASTRAL BLUE RF, BT-427-D
W-565	PHTHALO BLUE TONER (GREEN SHADE) B-4806 (MOBAY)
W-571	PHTHALO BLUE IN VINYL DISP.
W-576	PHTHALO BLUE LAKE (RED SHADE) B-4773 (MOBAY)
W-577	MONASTRAL BLUE BT-413-D

XI-C. MISCELLANEOUS

W-501	MINERAL VIOLET
W-507	RAMAPO BLUE B, BP-479-D
W-536	COBALT BLUE #3 (SHEPHERD)
W-559	INDOFAST VIOLET TONER B-4016 (MOBAY)
W-588	INDANTHRONE BLUE TONER A3R (CIBA GEIGY)
W-589	VIOLET LAKE B-4044 (MOBAY)

XII. YELLOW AND ORANGE PIGMENTS

XII-A. CHROMATES

W-609	AINC CHROMATE YELLOW Y-539-D
W-618	KROLOR ORANGE R-KD-789-D
W-622	MOLYBDATE ORANGE YE-637-D
W-625	BASIC ZINC CHROMATE
W-633	KROLOR ORANGE KY-781-D
W-636	STRONTIUM CHROMATE
W-649	STRONTIUM YELLOW
W-652	MOLYBDATE ORANGE-RED TONED YE-698-D

W-655	MOLYBDATE RED - YE-721-D
W-661	RAMPART MOLYBDATE ORANGE X-3390 (CIBA-GEIGY)
W-665	KROLOR ORANGE R-KO-786-D
W-666	BASIC LEAD SILICO CHROMATE M-50 (NL IND.)
W-669	MOLYBDATE ORANGE IN VINYL RESIN
W-670	PRIMROSE YELLOW Y-758-D
W-679	C.P. CHROME YELLOW LIGHT Y-433-D
W-686	CHROME YELLOW MED. Y-469-D
W-687	PRE-DARKENED CHROME YELLOW X-2777 (CIBA GEIGY)
W-690	KROLOR YELLOW MED. KY-795-D
W-698	BASIC LEAD SILICO-CHROMATE ONCOR F-31 (NL IND.)

XII-B. ORGANIC

W-602	IRGAZIN YELLOW 5GT (CIBA GEIGY)
W-605	BENZIDINE YELLOW DISP. IN VINYL RESIN
W-606	DALAMAR YELLOW PASTE YW-811-F
W-610	SEGNAL YELLOW LT. T2R (MOND EDISON)
W-612	GREEN GOLD YT-562-D
W-615	SEGNAL LT. YELLOW T3G (MOND EDISON)
W-616	NOVOPERM ORANGE HL-70 (AM. HOECHST)
W-620	GREEN GOLD AQUE. DISP. YW-613-P
W-627	MONASTRAL ORANGE YT-807-D
W-631	IRGAZIN YELLOW 3RLT CHIPS
W-632	HOSTAPERM YELLOW H3G (AM. HOECHST)
W-635	DALAMAR YELLOW GSYT-858-D
W-640	GREEN GOLD YT-809
W-643	IRGAZIN YELLOW 2-GLT (CIBA GEIGY)
W-644	PYRAZOLONE ORANGE OP-5833 (MOBAY)
W-645	PALIOFAST YELLOW 1560 (BASF)
W-646	PERMANENT YELLOW X-48 (HILTON-DAVIS)
W-647	DEEP GOLD YT-815-D
W-648	SUNGLOW YELLOWS 1236 (HARSHAW)
W-650	HOSTAPERM YELLOW H4G (AM. HOECHST)
W-653	GREEN GOLD YT-714-D
W-658	INDO FAST ORANGE OV-5974 (MOBAY)
W-659	HOSTAPERM ORANGE HGL (AM. HOECHST)
W-660	HOSTAPERM ORANGE GR (AM. HOECHST)
W-671	PERMANENT YELLOW NCG-71 (AM. HOECHST)
W-672	PALIO FAST YELLOW 1870 (BASF)
W-673	IRGAZIN YELLOW 3RLT (CIBA GEIGY)
W-675	DAIRYLIDE YELLOW PASTE
W-689	INDO ORANGE YELLOWISH OV-5982 (MOBAY)

XII-C. IRON OXIDE

W-617	IRON OXIDE YELLOW DISPERSION
W-619	TRANS YELLOW OXIDE DISPERSION
W-630	FERRITE YELLOW ORANGE
W-634	TRANS YELLOW OXIDE TONER
W-637	TRANSPARENT YELLOW OXIDE DISPERSION
W-641	TRANS YELLOW OXIDE DISP.
W-642	TRANSPARENT YELLOW OXIDE DISPERSION
W-654	LOW OPACITY FERRITE YELLOW
W-662	TRANSPARENT YELLOW OXIDE DISPERSION
W-663	TRANS YELLOW OXIDE CHIPS
W-682	TRANS YELLOW OXIDE
W-688	TRANS. YELLOW OXIDE DISP.

XII-D MISCELLANEOUS

W-600	CHROME-ANTIMONY TITANATE V-9150 (FERRO)
W-603	POWDERED LITHARGE
W-611	NICKEL-ANTIMONY TITANATE-TITANIUM YELLOW (SMC)
W-629	NICKEL-ANTIMONY TITANATE-TITANIUM GOLDEN (SMC)
W-694	NICKEL-ANTIMONY TITANATE

XIII. GREEN PIGMENT

XIII-A. CHROME GREEN

W-754	CHROMIUM OXIDE LIGHT
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XIII-B. PHTHALOCYANINE GREEN

W-728	MONASTRAL GREEN PASTE GW-749-P
W-750	MONASTRAL GREEN LAKE GL-761-D
W-752	PHTHALOCYANINE GREEN TONER G-5400 (MOBAY)
W-764	PHTHALCYANINE GREEN TONER GT-805-D
W-765	PHTHALCYANINE GREEN TONER GT-751-D
W-783	PHTHALO GREEN IN VINYL RESIN
W-785	MONASTRAL GREEN TONER GT-674-D

XIII-C. MISCELLANEOUS

XIV. METAL PIGMENTS

XIV-A. ALUMINUM

W-21	ALUMINUM PASTE - MEDIUM COARSE - LEAFING
W-25	ALUMINUM PASTE - SPECIAL
W-81	ALUMINUM PASTE - CHROME TYPE - LEAFING
W-82	ALUMINUM PASTE-EXTRA FINE
W-89	ALUMINUM PASTE-COARSE BRIGHT
W-92	ALUMINUM PASTE-MEDIUM COARSE

W-101	ALUMINUM PASTE-MEDIUM COARSE
W-106	ALUMINUM PASTE-EXTRA COARSE
W-107	ALUMINUM PASTE-COARSE
W-110	ALUMINUM PASTE-MEDIUM
W-112	ALUMINUM PASTE-COARSE
W-116	ALUMINUM PASTE-COARSE
W-117	ALUMINUM PASTE-EXTRA FINE
W-121	ALUMINUM PASTE-MEDIUM
W-127	ALUMINUM PASTE-FINE
W-133	ALUMINUM PASTE-MEDIUM
W-142	ALUMINUM PASTE-COARSE BRIGHT
W-152	ALUMINUM PASTE-MEDIUM COARSE
W-154	ALUMINUM PASTE-COARSE BRIGHT
W-156	ALUMINUM PASTE-MEDIUM BRIGHT
W-159	ALUMINUM PASTE-MEDIUM COARSE
W-161	ALUMINUM PASTE-MEDIUM
W-165	ALUMINUM PASTE-MEDIUM COARSE
W-181	ALUMINUM PASTE-MEDIUM

XIV-B. ZINC

W-36	ZINC DUST
W-46	ZINC DUST
W-187	ZINC DUST
W-198	ZINC DUST-BLEND

XV. PEARLESCENT AND SPECIALTY PIGMENTS

W-136	AFFLAIR 153 (EM LABS.)
W-137	BRONZE POWDER DG-11010 (OBRON)
W-160	PEARL AFFLAIR
W-174	GOLD AFFLAIR
W-1013	BRONZE POWDER DG-10990 (OBRON)

XVI. DYES

G-251	TELON FAST GREEN 5G NEW (MOBAY)
G-254	NAPHTHALENE GREEN-WATER SOLUBLE DYE
G-269	AUTOMATE YELLOW SOLUTION No. 8
G-297	LUXOL FAST ORANGE GRL
G-407	SOLVENT BLUE 36
G-463	LIGHT FAST YELLOW DYE