

OUTLINE OF FORMULA CLASSIFICATION
PAINT, VARNISH, AND LACQUER PRODUCTS
REISSUE OF AUGUST 25, 1956

Abbreviated Reissue of Regulations and Rulings
With Revised Index Names

I. ESTABLISHMENT

The Formula Classification was established by the following Bulletins or correspondence:

Outline of Formula Classification, Paint, Varnish and Lacquer Products - official list of indices dated 12-23-47.

Comptroller's Bulletin 426, subject: "Formula Classification", dated January 6, 1948

Announcement of Product Classification Committee

Comptroller's Bulletin 426, Addendum 1, Formula Classification Installation May 14, 1948 - effective 9-1-48

Comptroller's Bulletin 426, Addendum 2, Trade Sales Indices dated October 28, 1955

Comptroller's Bulletin 426, Addendum 3, Trade Sales Conversion dated July 30, 1956

A. H. Burt's approval of Trade Sales Conversion 6-15-56 and 7-2-56

II. SCOPE

The Classification as of this date includes PV&L Products sold by the Sherwin-Williams Sales Departments of Trade Sales, Industrial-Maintenance, Painter-Maintenance, Automotive, Graphic Arts, Transportation, (Railway, Marine, Petroleum and Aircraft), Government Agencies (Federal, State and Municipal), Industrial (Product Finishes), and PC&C (Pigment, Color and Chemical).

III. PURPOSE

- A. To arrange into groups all formulations of a specific usage; for example, "Enameloid" Line, "Kem-Lustral", Venetian Blind Enamels, Shipbottom Paints, Automotive Lacquer Putties.
- B. To provide for a system of assignments that will be uniform throughout S-W PV&L Laboratories who are concerned with the development of products for the Sales Departments listed in II, Scope.

IV. MECHANICS

A. The classified product assignments will be made by the PV&L formulators in accordance with the following requirements:

1. Index - which consists of an initial and one or two numerals listed in this Outline of Formula Classification.
2. Color symbol - represented by a letter, see pages 20 and 21.
3. Consecutive number - to distinguish one product from another of the same index.
4. a) Examples - Permanent Assignment:
Kem Lustral Green Medium # 570
F65 G 6
- b) For experimental assignments - the plant identification symbol is inserted between the color symbol and the consecutive number.

Experimental Assignment:

Railway Station Paint Gray (Formulated by Newark Lab.)

Ch1 A N16

(The Plant Symbol for Newark - N - is inserted just before the consecutive number.)

5. a) Subjects of the index pages - 3 through 19A:

A - 1 thru 89 - Trade Sales, Export Included
B - 50 thru 69 - Industrial Maintenance
70 thru 89 - Painter Maintenance
C - Liquid Oil Type Coatings
D - Pastes and Fillers
E - Primers, Synthetic & Oleoresinous
F - Enamels, Listed, Synthetic & Oleoresinous
G - Enamels, Product Finishes, Synthetic & Oleoresinous
H - Enamels, Special, Synthetic & Oleoresinous
L - Enamels, Listed, Lacquer
M - Enamels, Special, Lacquer
P - Primers, Lacquer
S - Stains & Preservatives
T - Clear Lacquers
V - Clear Varnishes
W - Waxes and Polishes
X - PC&C
R - Thinners and Reducers

K-N-U-Y-Z - Expansion

(K - Reserved for Institutional Kem Products)

IV. MECHANICS (CONT'D)

- A. 5. (b) Breakdown by Sales Departments of numerals of the indices C through W (except R and X) on preceding page:

1-19 Automotive
20-39 Graphic Arts
40-59 Transportation -(with the exception of D59, T50 and V59)
60-89 Industrial
90-99 Government Agency

PC&C Assignments

Thinners and Reducers (not subdivided by Sales Depts.)

6. Selection of index:

The Index must be selected in accordance with the Management's decisions on the Formula Classification.

The Index must be correct for the Sales Department and for the nature of the product.

If the customer is listed as an Industrial Products Finish account, the index must be in the Industrial (Product Finish) group - 60's, 70's, and 80's, or possibly in the 50's as mentioned in IV, D, 1.

For example, a finish for a manufacturer of Automotive Trailers "owned" by Industrial Product Finish Sales Department would carry the index G64 Industrial, Automotive Production, and not an index of the S-W Automotive Sales Group (1 thru 19).

The Company's classification of the customer, (Automotive, Graphic Arts, Painter-Maintenance, Industrial Maintenance, Industrial Product Finish, etc.) must be determined before an index is selected. For clarity of understanding, each index on Pages 4 thru 18 carries the name of the Sales Department for whom it has been assigned.

The Product Classification Committee is responsible for the operation of the system, including the addition and deletion of the indices.

V. REGISTERS

There are two kinds of Registers; one for permanent assignments and the other for experimental assignments.

The Permanent Assignment Registers for paint and varnish will be maintained in the Cleveland Tech Service Department by whom all assignments will be made.

V. REGISTERS (CONT'D)

The Permanent Assignment Register for clear and pigmented lacquers (nitrocellulose) will be maintained by the Chicago Lacquer Laboratory by whom all permanent lacquer assignments will be made. The Chicago Lacquer Laboratory is also responsible after October 11, 1951, for all permanent Automotive assignments. (This is for the reason that after this date, Automotive permanent assignments must have numerical sequence.)

The Chicago Varnish-Resin Laboratory will be responsible after this date, August 25, 1956, for all permanent PC&C assignments.

The Experimental Assignment Registers will be located in each development laboratory and experimental assignments will be made independently by that laboratory. See IX, Chicago Experimental Assignments.

VI. MASTER INDEX CARD FILE

Files have been distributed to the PV&L Laboratories to supply cross-reference directions to the proper index when the finishing material is not named in the index.

VII. WRITING OF CLASSIFIED ASSIGNMENTS

A space should be left before and after the Color Symbol in typing or writing classified assignments. For example, P63 N C4.

VIII. ORDERS

Orders for PV&L Products, placed upon Production Departments, must carry Classified Assignments. Laboratory batch or "cost-purpose" identification are not accepted by Production Department -- refer orders to PV&L Laboratory for Classified Assignments.

IX. CHICAGO EXPERIMENTAL ASSIGNMENTS

Since there are five development laboratories at Chicago, there is a possibility that one laboratory might receive a request for a development that is part of a complete finishing schedule, and which properly belongs to a Chicago Laboratory who exercises control over that type of formulation. Chicago Control Laboratories are shown after the indices of the products. Only the control laboratory will issue experimental assignments for that index product.

X. GOVERNMENT SPECIFICATION VS. NON-GOVERNMENT ASSIGNMENTS:

(issued originally as a bulletin dated 2-6-52).

Apparently there is some uncertainty among the PV&L Laboratories' personnel as to when and when not a government index for a product assignment should be used. The word "government" applies to Federal, State or Municipal agency. There are a number of possibilities:

X. GOVERNMENT SPECIFICATION VS. NON-GOVERNMENT ASSIGNMENTS (CONT'D)

1. Any product formulated to meet a government specification and sold to government agencies will be given an assignment from the 90's.
2. Any S-W product whose composition, label analysis or other technical information is accepted by a government agency as a specification, will be given an assignment from the 90's.
3. If an Industrial, Transportation, or other non-governmental type customer is operating on a government contract or sub-contract, any of our products sold to him for that contractor or subcontractor meeting a government specification will carry an assignment from the 90's.
4. If a non-government customer (that is, Industrial, Transportation, etc.) describes his own requirements in terms of a government specification, active or historical, the assignment meeting his requirements will be taken from other than the 90's. (Another way of describing this possibility is that the customer may be too lazy to write his own requirements and has borrowed a government specification as a means of expressing his requirement.)
5. Whenever a government agency orders a quantity of paint and no government specification is involved, the paint product will carry the S-W non-government assignment, e.g., S.W.P., Porch & Floor, Semi-Lustre.

XI. COMPOSITIONS

- A. Chemical composition has been used as the basis for subdivisions of the Formula Classification only with respect to Lacquer (nitro-cellulose) and Synthetic-Oleoresinous vehicles, and in a very few instances where composition is the only ready basis for grouping. Composition is influenced by too many factors to remain static or stable for very long time periods whereas Product or Product Finishes apparently have greater life. A drum enamel was of natural resin composition a few years ago, is alkyd today, and may be vinyl, or other compositions tomorrow, but for purposes of classification, it remains "Drum Enamel". The Institutional Lines are additional examples, for purposes of Sales, Manufacturing, and Accounting the "Line" remained fixed even though the chemical composition may have a great number of revisions.
- B. Composition is not the basis of Classification unless specifically covered by an index. The formulator then should not let composition be the deciding factor in the selection of the proper index; e.g., the vehicle of a special color for finishing enamel for Passenger Cars might be the same as the Kem Lustral liquid, but the index would not be F65 (Kem Lustral). It would be G41 (Transportation, Passenger Car & Locomotive Exterior.)

XI. COMPOSITIONS (CONT'D)

- C. Whenever two formulations are of the same composition, but of different assignments, a statement of cross reference ("See also rex ____"), should be included on both formula cards.

PRODUCT CLASSIFICATION COMMITTEE,
CLEVELAND

BY:

H. J. L. Cotton

H. J. L. Cotton

:k
August 25, 1956

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Classified Indices

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Chi. Asgmt. Lab. for
Chi. Experimental Only

A - TRADE SALES CLASSIFIED INDICES

A1	Trade Sales, SWP Velvet Flat Housepaint	P
A2	Trade Sales, SWP Gloss Housepaint	P
A4	Trade Sales, Brick & Stucco	P
A5	Trade Sales, Stucco, Concrete & Masonry	P
A7	Trade Sales, Roof & Bridge Utility Paints	P
A11	Trade Sales, Commonwealth, Farm & Plantation Ext. Coatings	P
A14	Trade Sales, Shingle Stains & Exterior Wood Stains	P
A15	Trade Sales, Shake (Wood) Paints	P
A33	Trade Sales, Porch & Floor including Concrete Floor Primer	P
A34	Trade Sales, Tractor & Implement	P
A35	Trade Sales, S-W Spray Enamel	P
A36	Trade Sales, Semi-lustre	P
A37	Trade Sales, Enameloid	P
A38	Trade Sales, Flo-lac	P
A41	Trade Sales, Kem-Namel Snow White	P
A44	Trade Sales, Texture Paints	P
A45	Trade Sales, Flattones - One Coat & New Line	P
A46	Trade Sales, Glazing Liquid	P
A47	Trade Sales, Beauty-Lok Natural Wood Finishes	CV
A48	Trade Sales, Oil Stains	P
A51	Trade Sales, Chalkboard Slating	P
A53	Trade Sales, Primers, Int. (Flat Rite & Wall Primer Sealer)	P
A55	Trade Sales, Fillers, Wood	F
A56	Trade Sales, Primers, Ext. - Wood & Masonry	P
A57	Trade Sales, Primers & One Coat Enamels, Ext. - Metal	P
A58	Trade Sales, Misc. Pastes, Intermediates and Pigments	P
A60	Trade Sales, Tinting Colors	P
A64	Trade Sales, Bronze Paints & Bronzing Liquids	V
A66	Trade Sales, Varnishes - Architect, Interior	V
A67	Trade Sales, Varnishes - Exterior	V
A61	Trade Sales, Linseed oil, Boiled & Raw	
A62	Trade Sales, Turpentine (all Grades)	

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A - TRADE SALES CLASSIFIED INDICES

Reserved for Export Special Lines. Apply to Products
Classification Committee for indices as required.

A68	Trade Sales, EXPORT, Galvite Line	P
A69	Trade Sales, EXPORT, Brick & Stucco	P
A70		
A71	Trade Sales, EXPORT, Iris Paint	P
A72	Trade Sales, EXPORT, Mantone Maintenance Paint	P
A73	Trade Sales, EXPORT, Kem-O-Lite	P
A74		
A75		
A76		
A77		
A78		
A79		
A80	Trade Sales, Driers & Additives	V
A81	Trade Sales, Paint & Varnish Removers & Cleaners	V
A82	Trade Sales, Thinners & Reducers	V
A83	Trade Sales, Lacquers	L
A84	Trade Sales, Adhesives & Cements	V
A85	Trade Sales, Waxes, Polishes & Soaps	V
A86	Trade Sales, Traffic Marking Paints	P
A88	Trade Sales, Insecticides	None

A90	}	GOVERNMENT SPECIFICATIONS
A91		
A92		
A93		
A94		
A95		
A96		
A97		
A98		
A99		

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B - INDUSTRIAL MAINTENANCE SALES PRODUCTS

B50	Ind. Maint., Metal Primers, Include Galvanized	P
B53	Ind. Maint., Metalastic	P
B54	Ind. Maint., Metal, Exterior Finish Coats	P
B55	Ind. Maint., Wood	P
B56	Ind. Maint., Concrete, Stucco & Masonry Finishes	P
B57	Ind. Maint., Maintenance Interior (not Paintercraft)	P
B58	Ind. Maint., Savelites (all)	P
B59	Ind. Maint., Aluminum Paints and Bronzing Liquids	VR
B61	Ind. Maint., Preservatol, Include Asphalt & Coal Tar Products	P
B62	<i>Ind. Maint., Machinery & Equipment Coatings</i>	P
B64	Ind. Maint., Varnishes, Exterior and Interior	V
B65	Ind. Maint., Floor & Pavement Coatings	P
B68	Ind. Maint., Heat Resistant	P
B69	Ind. Maint., Chemical Resistant	P
B66	<i>Ind. Maint., Waxes, Polishes, & Cleaners</i>	V

B - PAINTER-MAINTENANCE SALES PRODUCTS

B71	P-M, Primers & Sealers, Paintercraft	P
B73	P-M, Varnishes	V
B74	P-M, Dry Wall Products, Texture, Filling & Joint Compounds	P
B75	P-M, Color Harmony	P
B72	P-M, Tinting Colors and Pastes (Paintercraft)	P
B77	P-M, Patterned Effects, Polychromatic Finishes, Opal Glo, Multicolor, Etc.	P
B78	P-M, Wall Finishes, Int. & Ext., Paintercraft	P
B79	P-M, Quali-Kote, Paintercraft	P
B82	P-M, Maintenance Wall Enamels, Paintercraft	P
B87	P-M, Fire Retardant	P

*890 } Reserved for Government
899 }*

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C20	Graphic Arts, Bulletin Colors, Kem	P
C21	Graphic Arts, Bulletin Solfast Colors, Kem	P
C40	Transportation, Frt. Car Paint & Semi Pastes	P
C41	Transportation, Station & Building, Railway, Exterior	P
C42	Transportation, Metal Protective (Incl. Petrol. Tank Paints)	P
C43	Transportation, Station & Building, Petroleum Exterior	P
C45	Transportation, Shipbottom & Boottopping	P
C46	Transportation, Flame & Fire Retardant Finishes	P
C62	Industrial, Metal Exterior	P
C66	Industrial, Wall - Interior	P
C67	Industrial, Wood - Exterior	P
C68	Industrial, Galvanized Iron	P
C69	Industrial, Chemical Resistant	P
C70	Industrial, Fire Retardant	P
C71	Industrial, Heat Resistant	P
C72	Industrial, Traffic	P
C74	Industrial, Salvage Paints & Enamels	P
C75	Industrial, Barrel Paints, Wood	P
C77	Industrial, Concrete & Stucco	P
C80	Industrial, Liquid Oil Type Coatings	P
C90	Government Specifications, Bronze Paints, R/M	V
C91	Government Specifications, Exterior Paints	P
C92	Government Specifications, Interior Paints	P
C93	Government Specifications, Metal Protective	P
C94	Government Specifications, Heat Resistant	P
C95	Government Specifications, Flame & Fire Retardant	P
C96	Government Specifications, Water Reducible	L
C97	Government Specifications, Traffic	P

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D - PASTES, FILLERS AND COMPOUNDS

D1	Automotive, Compounds, Rubbing & Polishing, Masking	L
D2	Automotive, Putties, Synthetic	L
D3	Automotive, Putties, Lacquer	L
D20	Graphic Arts, Bulletin Oil Colors, Paste	P
D21	Graphic Arts, Sign Writers Oil Colors	P
D22	Graphic Arts, Kem Screen Process Colors	P
D23	Graphic Arts, Fast Dry Gloss Screen Process Colors	P
D24	Graphic Arts, Screen Process Transparent & Extender Bases	P
D25	Graphic Arts, Production Screen Process Colors	P
D26	Graphic Arts, Transparent Toner Screen Process Colors	P
D27	Graphic Arts, Poster Screen Process Colors	P
D28	Graphic Arts, Synthetic Pictorial Screen Process Colors	P
D30	Graphic Arts, Fluorescent Colors, Silk Screen, Day-Glo	P
D40	Transportation, Putties (Lacquer, Lacquer Control)	L
D41	Transportation, Chiller Pastes	P
D42	Transportation, Fillers, Misc.	P
D43	Transportation, Pastes, Railway Signal, Stencil & Bulletin	P
D44	Transportation, Aircraft Adhesives, Cements & Compounds	L
D59	Industrial, Polyester Toner Bases	P
D60	Industrial, Ajax Insulating Fillers and Compounds	V
D61	Industrial, Machine Tool Fillers and Machinery Fillers	P
D62	Industrial, Pastes, Production, Lettering, Striping & Stencil	P
D63	Industrial, Compounds, Furniture, Rubbing & Polishing	F
D64	Industrial, Base Colors, General	P
D65	Industrial, Compounds & Fillers, Gen'l, (Caulking, etc.)	P
D66	Industrial, Cements (Linoleum, etc.)	P
D67	Industrial, Adhesives - Paste Form, Misc.	P
D68	Industrial, Saturants & Fillers, Canvas, Fabrics	P
D69	Industrial, Base Colors, Lacquer, Lacquer Control	L
D70	Industrial, Fillers, Furniture, Fast Dry, Semi Paste	F
D71	Industrial, Fillers, Furniture, Overnight Dry, Semi Paste	F
D72	Industrial, Fillers, Furniture, Quick Dry, Semi Paste	F
D73	Industrial, Furniture Silk Screen Pastes, Semi Paste	F
D80	Industrial, Fillers, Furniture, Fast Dry Paste	F
D81	Industrial, Fillers, Furniture, O'Night Dry, Paste	F
D82	Industrial, Fillers, Furniture, Quick Dry, Paste	F
D90	Government Specifications, Cements	P
D91	Government Specifications, Compounds	P
D92	Government Specifications, Fillers	F
D93	Government Specifications, Pastes and Base Colors	P
D94	Government Specifications, Putties	P
D95	Government Specifications, Compounds, Lacquer, Misc.	L

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E - PRIMERS, SYNTHETIC & OLEORESINOUS

E2	Automotive, Primers, Metal, Synthetic & Oleoresinous	L
E3	Automotive, Surfacer & Primer Surfacer, Metal	L
E40	Transportation, Primers, Wood, Railway	P
E41	Transportation, Primers, Metal, Railway	P
E42	Transportation, Primers, Aircraft Synthetic	L
E43	Transportation, Surfacer & Primer Surfacer, Railway	P
E60	Industrial, Primers, Wood	P
E61	Industrial, Primers, Metal	P
E62	Industrial, Surfacer & Primer Surfacer, Metal	P
E63	Industrial, Surfacer & Primer Surfacer, Wood	P
E64	Industrial, Sealers, Pigmented, Wood	P
E65	Industrial, Sealers, Pigmented, Metal	P
E66	Industrial, Ground & Graining Colors	P
E67	Industrial, Auto. Production Undercoaters, Primers & Pr. Surfacer, Syn.	L
E68	Industrial, Kemclad Primers	P
E69	Industrial, Primers, other than Wood & Metal	P
E70	Industrial, Wall Primers & Undercoaters	P
E90	Government Specifications, Synthetic Primers	L
E91	Government Specifications, Oil Type Primers	P

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F - ENAMELS, LISTED, SYNTHETIC & OLEORESINOUS

F1	Automotive, Ready Mix Enamels	L
F2	Automotive, Ready Mix Air Dry Opalescent	L
F3	Automotive, Mixing Enamels	L
F4	Automotive, Ready Mix Baking	L
F5	Automotive, Exlon Mixing Enamel Air Dry	L
F6	Automotive, Ready Mix Bake & Air Dry Interior	L
F7	Automotive, Ready Mix 2nd Quality	L
F8	Automotive, Exlon Ready Mix Enamel Air Dry	L
F9	Automotive, Exlon Ready Mix Opalescent Air Dry	L
F22	Graphic Arts, Lettering & Striping Enamel	P
F23	Graphic Arts, Kem Sign & Background Enamels	P
F24	Graphic Arts, Blocking Out Colors	P
F31	Graphic Arts, Day-Glo Brushing & Spraying Consistency Enamel	P
F33	Graphic Arts, Poster Panel Colors	P
F34	Graphic Arts, Metal Sign Backing Paint	P
F35	Graphic Arts, Bulletin Board Backing Colors	P
F37	Graphic Arts, Sign Writers Japan Colors	P
F38	Graphic Arts, Sherdye	P
F39	Graphic Arts, Bulletin Service Colors	P
F40	Transportation, Equipment & Pump	P
F42	Transportation, Railway Locomotive, Frame & Truck Enamels	P
F43	Transportation, Railway, Stencil, Bulletin & Signal Enamels	P
F44	Transportation, Railway, Frt. Car Enamels	P
F45	Transportation, Petroleum Drum Enamels - Reconditioning & ITS, Air Dry	P
F50	Transportation, Marine Decks	P
F51	Transportation, Hull, Superstructure, Stacks, Signal, Ventilator and Engine Finishes	P
F52	Transportation, Marine Interior Enamels	P
F55	Transportation, Aircraft Kem Aero Enamel	L
F60	Industrial, Ajax Insulating Enamel, Synthetic & Oleo.	P
F62	Industrial, Machine Tool Enamels & Machinery (Production)	P
F63	Industrial, General Industrial Enamels (Price List & Specials)	P
F65	Industrial, Kem Lustral & Kem Lustral Special Colors, Including Customix	P
F67	Industrial, Fast Dri Synthetic, Specials, and Intermixes	P
F69	Industrial, Kem Art Metal & Special Colors	P

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F - ENAMELS, LISTED, SYNTHETIC & OLEORESINOUS

F70	Industrial, Kemclad Miscellaneous	P
F71	Industrial, Kemclad, Refrigerator	P
F72	Industrial, Kemclad, Washing Machine	P
F73	Industrial, Kem Fast Bake, Specials, and Intermixes	P
F74	Industrial, Kem Appliance Misc.	P
F75	Industrial, Production Blacks	P

F90	Government Specifications, Drum Enamels	P
F91	Government Specifications, Misc. Gloss	P
F92	Government Specifications, Misc. Semi Gloss	P
F93	Government Specifications, Misc. Lustreless, Flat Gloss	P
F94	Government Specifications, Fabric	L
F95	Government Specifications, Lettering, Marking and Stencil	P
F96	Government Specifications, Floor and Deck	P
F97	Government Specifications, Luminescent	P
F98	Government Specifications, Hull	P
F99	Government Specifications, Shipbottom	P

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Chi. Asgmt. Lab. for
Chi. Experimental OnlyG - ENAMELS, PRODUCT FINISHES, SYNTHETIC & OLEORESINOUS

G1	Automotive, Accessories, S-W Mfg.	L
G2	Automotive, Spraying Enamels, (Assumed Package)	L
G41	Transportation, Passenger Car - Exterior	P
G42	Transportation, Passenger Car - Interior	P
G45	Transportation, Station & Building, Railway - Interior	P
G46	Transportation, Station & Building, Petroleum, Interior	P
G47	Transportation, Bronze Enamels (R/M & D/C)	V
G48	Transportation, Cement & Masonry Coatings	P
G60	Industrial, Dimenso Baking, Fast Bake & Heat Resistant	P
G61	Industrial, Dimenso Air Dry	P
G63	Industrial, Venetian Blind - Metal	P
G64	Industrial, Automotive Production Line	L
G65	Industrial, Drum Enamels - Baked & Air Dry, Production	P
G66	Industrial, Bronze Enamels	V
G67	Industrial, Furniture, Metal	P
G68	Industrial, Venetian Blind - Wood	P
G70	Industrial, Tin & Metal Decorative (Roller Application)	P
G71	Industrial, Sanitary Finishes (Roller Application)	P
G72	Industrial, Tube, Collapsible (Roller Application)	P
G74	Industrial, Agricultural Implement & Earth Working Equipmt. Enamels	P
G75	Industrial, Awning (Fabric)	P
G76	Industrial, Fabric & Textile Printing	P
G77	Industrial, Metal Awning & Sliding Ext. Enamel	P
G78	Industrial, Metal Architectural Partition & Ceiling Enamel	P
G90	Government Specifications, Silk Screen	P
G91	Government Specifications, Wrinkle and Textured Finishes	P
G95	Government Specifications, Aircraft Enamels, Syn. - Gloss	L
G96	Government Specifications, Aircraft Enamels, Syn. - Semi, Flat, Lustreless	L

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H - ENAMELS, SYNTHETIC & OLEORESINOUS SPECIALS

Chi. Asgmt. Lab. for
Chi. Experimental Only

H60	Industrial, Metal Protective - One Coat Finish	P
H61	Industrial, Textured Fin. (Other than K. A. M. & Dimenso) Air Dry & Bake	P
H62	Industrial, Wire & Wire Products (<i>Metal & Synthetic</i>)	P
H64	Industrial, Furniture, Wood Enamels, Synthetic & Oleoresinous	P
H66	Industrial, Production Wood Enamel	P
H68	Industrial, Metal, Misc.	P
H69	Industrial, Toy Finishes	P
H71	Industrial, License Tag Enamels	P
H72	Industrial, Production Striping, Stencil & Lettering Enamels (Incl. Sheep Marking)	P
H73	Industrial, Reclaimed Finishes	P
H76	Industrial, Cable Coating Enamels	P
H80	Industrial, Beverage Case, Production & Refinishing	P
H81	Industrial, Fibre & Fibre Composition	P
H82	Industrial, Tile, Composition, Ceramic, Metal & Plastic	P
H83	Industrial, Plastite & Plastic Surface Enamels	P
H84	Industrial, Paper - Wallpaper, etc.	P
H85	Industrial, Glass, Ceramic, Clay Products	P
H86	Industrial, Adhesive (Flock included)	P
H87	Industrial, Leather and Rubber	P
H88	Industrial, Inks	P
H90	Government Specifications, Protective Coatings, Concrete & Concrete Forms	P

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L - ENAMELS, LACQUER LISTED

L1	Automotive, Ready Mix Regular Lacquer	L
L2	Automotive, Ready Mix Opalescent Lacquer	L
L3	Automotive, Mixing Exterior Lacquer	L
L6	Automotive, Lacquer Enamel Interior	L
L9	Automotive, Lacquer Enamel Flat	L

L10	Automotive, Opex Acrylic Lacquers, Ready Mixed Non-Opal	L
L11	Automotive, Opex Acrylic Lacquers, Ready Mixed Opalescent	L

L21	Graphic Arts, Display Lacquers	L
L22	Graphic Arts, Silk Screen Lacquers	L

L40	Transportation, Aircraft Nitrate Dopes	L
L41	Transportation, Aircraft Butyrate Dopes	L
L43	Transportation, Aircraft Opex Aero Enamels	L

L60	Industrial, Gloss Lacquers, Interior Quality	L
L61	Industrial, Gloss Lacquers, Exterior	L
L62	Industrial, Gloss Lacquers, High Solids, Broom Handle	L
L63	Industrial, Dimenso Enamels, Lacquer	L
L64	Industrial, Lacquers, Exterior Quality, Flat	L
L65	Industrial, Lacquers, Interior Quality, Flat	L
L66	Industrial, Product Finish, Lacquers for Multicolor Patterns	L

L90	Government Specifications, Silk Screen	L
L91	Government Specifications, Aircraft Lacquer, Enamel	L
L92	Government Specifications, Aircraft Lacquer En., Semi, Flat & Lustreless	L
L93	Government Specifications, Aircraft Dopes, Gloss	L
L94	Government Specifications, Aircraft Dopes, Semi, Flat & Lustreless	L

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Chi. Asgmt. Lab. for
Chi. Experimental OnlyM - ENAMELS, LACQUER, SPECIALS

M20	Graphic Arts, Silk Screen Lacquer	L
M21	Graphic Arts, Preparatory Silk Screen Materials (Lacquer)	L
M22	Graphic Arts, Display Lacquers	L
M23	Graphic Arts, Sign Lacquers Enamels	L

M49	Transportation, Misc. Lacquer Enamels	L
M50	Transportation, Passenger Car & Locomotive Lacquer Enamels	L

M60	Industrial, Metal Coatings, Misc.	L
M61	Industrial, Machine Tool Finishes and Machinery (Production)	L
M62	Industrial, Brushing Lacquer Enamel	L
M63	Industrial, Touch-up Lacquers	L
M64	Industrial, Wood (Pigmented) Lacquers, include Furniture	L
M65	Industrial, Furniture Enamel Lacquers, Metal	L
M66	Industrial, Venetian Blind Lacquers	L
M67	Industrial, Bobbin Lacquers	L
M68	Industrial, Pencil Lacquers	L
M69	Industrial, Flexible Coatings - Lacquers	L

M70	Industrial, Fabric Lacquers	L
M71	Industrial, Textile Printing Lacquers	L
M72	Industrial, Paper Coatings	L
M73	Industrial, Rubber Lacquers	L
M74	Industrial, Plastic Finishes	L
M75	Industrial, Tile Lacquers	L
M76	Industrial, Glass & Ceramics Lacquers	L
M77	Industrial, Traffic Lacquers	L
M78	Industrial, Fingernail Lacquers	L
M79	Industrial, Identification Lacquers	L

M80	Industrial, Cable Lacquers	L
M82	Industrial, Lacquer Stencil, Lettering & Striping Enamels	L
M83	Industrial, Lacquer, Enamel, Salvage	L
M84	Industrial, Toy & Novelty Lacquer Enamel	L
M85	Industrial, Adhesive & Cements, Lacquer	L
M86	Industrial, Awning Lacquer Enamels	L
M87	Industrial, Foil Printing Lacquer Enamels	L
M88	Industrial, Collapsible Tube Lacquer Enamels	L
M89	Industrial, Tin Decorating Lacquer Enamels	L

M90	Government Specifications, Ammunition	L
M91	Government Specifications, Misc. Lacquer	L

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P - PRIMERS, LACQUER

P1 Automotive, Primers, Lacquer
P2 Automotive, Primer Surfacers
P3 Automotive, Sealers, Pigmented

L
L
L

P40 Transportation, Primers & Primer Surfacers, Lacquer

L

P60 Industrial, Primers, Lacquer, Metal
P61 Industrial, Primer Surfacers, Lacquer
P62 Industrial, Sealers, Pigmented, Misc.
P63 Industrial, Ground & Graining Coats, Lacquer
P64 Industrial, Undercoaters, Metal
P65 Industrial, Undercoaters, Wood

L
L
L
L
L
L

P90 Government Specifications, Primers, Lacquer, Misc.

L

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R - THINNERS AND REDUCERS

FOR ALL SALES DEPARTMENTS

R1	Aliphatic Solvents	V
R2	Aromatic Solvents	V
R3	Blended Aliphatic & Aromatic Solvents	V
R4	Blended Paint & Enamel Thinners other than R3	V
R5	Turps. & Misc. Turpenes	V
R6	Alcohols & Esters	L
R7	Blended Lacquer Thinners	L

R90 Government Specifications Reducers (Varn. Type) (Similar to R1 thru R5 above) V

R91 Government Specification, Reducers (Lacq. Type) (Similar to R6 thru R7 above) L

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S - STAINS AND PRESERVATIVES

S40 Transportation, Canvas Preservatives & Solutions

P

S60	Industrial, Furniture Artistain Powder	F
S61	Industrial, Furniture Artistain Liquid	F
S62	Industrial, Furniture Glazing Stains - Speed Glazes	F
S63	Industrial, Furniture Kem Stains	F
S64	Industrial, Furniture Pigmented, Fast Dry Stain	F
S65	Industrial, Furniture Shading (Lacquer) Stain	F
S66	Industrial, Furniture Glazing Stains, O'Night Dry	F
S67	Industrial, Furniture Pigmented Stain, Drying Max. 1 hour	F
S70	Industrial, Misc. Stains (F. T. S. Control)	F
S81	Industrial, Wood Preservative - Varnish Base	V
S82	Industrial, Production Stains (Not Furniture)	F

S90	Government Specification, Stains	F
S91	Government Specification, Preservatives	V

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T - CLEAR LACQUERS

T1	Automotive, Opex Clears, Lacquers	L
T21	Graphic Arts, Silk Screen Lacquers, Clear	L
T22	Graphic Arts, Display Lacquers, Clear	L
T40	Transportation, Clear Dopes and Lacquers, (acft)	L
T54	Industrial, Tin Decorating Clear Lacquers	L
T55	Industrial, Rubber Lacquers, Clear	L
T56	Industrial, Plastic Lacquers, Clear	L
T57	Industrial, Paper Lacquers, Clear	L
T58	Industrial, Foil Printing Lacquers, Clear	L
T59	Industrial, Flexible Coating Lacquers, Clear	L
T60	Industrial, Furn. Seal & Comb. Stain Seal Lacq., Royalty Type	F
T61	" " " " " " " , Mar Resistant	F
T62	" " " " " " " , Intermediate	F
T63	" " " " " " " , Ambertone	F
T64	" " " " " " " , Hot Application	F
T65	" " " " " " " , Water White	F
T66	" " " " " " " , High Solvency	F
T69	" " " " " " " , Misc.	F
T70	Industrial, Furniture Lacquers, Royalty Type	F
T71	Industrial, Furniture Lacquers, Mar Resistant	F
T72	Industrial, Furniture Lacquers, Intermediate	F
T73	Industrial, Furniture Lacquers, Ambertone	F
T74	Industrial, Furniture Lacquers, Hot Application	F
T75	Industrial, Furniture Lacquers, Water White	F
T76	Industrial, Furniture Lacquers, High Solvency	F
T79	Industrial, Furniture Lacquers, Misc.	F

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T - CLEAR LACQUERS

T80	Industrial, Adhesives, N/C Type	L
T81	Industrial, Stripping Lacquers	L
T82	Industrial, Lacquer Bronzing Liquid & Clear Metal Protective	L
T83	Industrial, Lacquer, Wood, Misc.	L
T84	Industrial, Clear Lacquer Production Solutions	L
T85	Industrial, Cable Lacquers, Clear	L
T86	Industrial, Collapsible Tube Lacquers, Clear	L
T87	Industrial, Brushing Lacquers, Clear	L
T88	Industrial, Dimenso Lacquers, Clear	L
T89	Industrial, Fabric Lacquers, Clear	L

T90	Government Specifications, Dopes	L
T91	Government Specifications, Misc. Lacquer Clears	L
T92	Government Specifications, Furniture Lacquers, Misc.	F

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V - CLEAR VARNISHES

V2	Automotive, Clear Varnishes	V
V3	Automotive, Varnish Specialties (Incl. P&V Remover)	V
V20	Graphic Arts, Sign Varnishes, Finishing	V
V21	Graphic Arts, Sign Finishes, Adhesives	V
V40	Transportation, Clear Varnish (Interior & Exterior)	V
V41	Transportation, Oils, Paint & Paint Reducing	V
V59	Industrial, Glass Fibre Lamenating Clear Fluids	V
V60	Industrial, Paint and Varnish Removers, Listed & Specials	V
V61	Industrial, Ajax Insulating Varnishes, Listed & Specials	V
V62	Industrial, Implement and Related Mixing Varnishes, Listed & Specials	V
V64	Industrial, Oils & Treated Oils	V
V66	Industrial, Driers & Antioxidants & Catalysts	V
V67	Industrial, Bronzing Liquids & D. C. Aluminum & Copper Bronze Paints	V
V69	Industrial, Adhesives & Cements	V
V70	Industrial, Production Mixing Liquids	V
V71	Industrial, Tin Decorating & Processing Varnishes, Sanitary Lead Free Clears	V
V72	Industrial, Spirit, Shellac & Shellac Sub.	V
V73	Industrial, Baking Varnishes, Misc.	V
V74	Industrial, Non-pigmented Blacks, Varnishes	V
V75	Industrial, Emulsion Varnishes	V
V76	Industrial, Tin Decorating & Processing Varnishes, Clear	V
V77	Industrial, Production Misc. Finishing Liquids & Varnishes, not Metal or Wood	V
V78	Industrial, Varnishes, Metal, Misc.	V
V79	Industrial, Varnishes, Wood, Misc. (not Furniture)	V

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Chi. Asgmt. Lab. for

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V - CLEAR VARNISHES

V81	Industrial, Furniture, Wood, Sealer Varnishes	F
V82	Industrial, Furniture, Wood, A. D., Varnishes	F
V83	Industrial, Furniture, Wood, Fast Dry, Varnishes (A.D., Dust Free - 20 Min. Room Temperature)	F
V84	Industrial, Furniture, Wood, Heat-Converting Varnishes	F
V85	Industrial, Furniture, Wood, Dipping Varnishes	F
V89	Industrial, Dimenso, Wrinkle & Textured Clear Varnishes	V

V90	Government Specifications, Non-pigmented Blacks, Varnishes	V
V91	Government Specifications, Bronze Liquids & Double Comp't. Bronze Enamels	V
V92	Government Specifications, Container Linings	V
V93	Government Specifications, Driers & Antioxidants, Catalysts	V
V94	Government Specifications, Oil	V
V95	Government Specifications, Paint Reducing Oil & Mixing Liquids	V
V96	Government Specifications, Removers	V
V97	Government Specifications, Sealers	V
V98	Government Specifications, Exterior Clear Varnishes	V
V99	Government Specifications, Misc. Varnishes	V

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W - WAXES, POLISHES

W1	Automotive, Polishes	L
W2	Automotive, Specialty, Outside Purchase Only	L
W20	Graphic Arts, Specialties	P
W40	Transportation, Aircraft Specialties	L
W60	Industrial, Furniture Polishes & Specialties	F
W61	Industrial, Furniture Waxes	V
W62	Industrial, Waxes, Solutions & Emulsions	V
W90	Government Specifications, Waxes	V
W91	Government Specifications, Polishes	V

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X - PIGMENT, COLOR & CHEMICAL PRODUCTS (PC&C) ONLY

XBN	Bases, Lacquer	L
XBS	Bases, Synthetic	P
XDR	Driers (S-W Mfg.)	V
XCL	Lacquer, Cotton Solutions & Bases, Clears	L
XML	Lacquer, Misc.	L
XOL	Litho Oils	V
XOT	Oils, Treated Oils, Fatty Acids	V
XPL	Stabilizers & Plasticizers; Misc.	V
X2	Prepared Paints made by S-W, Sold thru PC&C Dept. to Competitive Sales Outlets	P
X3	Prepared Paints, Emulsion Type Products, Sold thru PC&C Dept., Mfg. by S-W for Selected Accounts. Consult PC&C Sales and Product Assignment Committee	P
X4	Paint and Varnish Removers	V
XFR	Resins for Fibre Reinforcement	V
XRE	Emulsion Resins, Hard or Oil Modified	V
XRP	Hard Resins for Printing Industry	V
XRU	Urea Resins	V
XRV	Hard Resins for Varnishes	V
XAC	Varnishes, alkyds, phthalic & related polybasic acids, color retention, drying	V
XAD	Varnishes, alkyds, phthalic & related polybasic acids, drying non-color retention	V
XAN	Varnishes, alkyds, phthalic & related polybasic acids, non-dry	V
XAR	Varnishes, alkyds, phthalic & related polybasic acids, resin modified	V
XAS	Varnishes, alkyds, styrene modified	V
XEM	Varnishes, Rosin-ester, metallized	V
XEN	Varnishes, Rosin-ester, non metallized	V

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Chi. Asgmt. Lab. for
Chi. Experimental Only

X - PIGMENT, COLOR & CHEMICAL PRODUCTS (PC&C) ONLY

XLB	Varnishes, Label Varnishes	V
XLV	Varnishes, Litho Vehicles, Misc. -- other than following 5	
XLM	" " " , Maleic & fumaric, rosin alkyd printing ink vehicles	V
XLG	" " " , Glyceryl phthalate alkyd printing ink vehicles	V
XLP	" " " , P. E. phthalate alkyd printing ink vehicles	V
XLS	" " " , Steam Set printing ink vehicles	V
XLH	" " " , Heat set printing ink vehicles	V
XMD	Varnishes, Maleic treated rosin (incl. fumaric,)drying	V
XMN	Varnishes, Maleic treated rosin (Incl. fumaric), non-drying	V
XOR	Varnishes, Oleoresinous, Misc.	V

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SW
THE SHERWIN-WILLIAMS Co.

3X

INTER-OFFICE LETTER

FROM Cleveland

OFFICE Tech Service

DEPT.

FOR

Cleveland

OFFICE

DATE

June 20, 1957

MR.

J. O. Hume

SUBJECT

FORMULA CARD PREPARATION BULLETIN

ANSWERING LETTER OF

DICTATED BY

RECEIVED
JUN 24 1957
AUX. RES. DEPT.

Enclosed you will find copies of the Formula Card Preparation Bulletin prepared by a committee appointed by H. E. Spitzer. These bulletins are being distributed to all holders of S-W Formulator's Handbooks.

S. F. Carlson

S. F. Carlson, Director
Technical Service Department

SFC/ek

Directed to: Formulator's Handbook Mailing List

No. 88

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