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Class 3700

Phthalate and related esters, containing more than trivial amounts of phthalic esters, modified by any other resin former, including rosin esters (simple and complex) styrene and other vinyl polymers. The last two numerals indicate approximate % oil content.

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Number	Est. Anal. PA Content	% & Type Oil	% & Type Resin
(37063)	-	26.7 linseed	- none
(3734)	30.6	33 linseed	8.6 rosin
(37042)	17.8	43 linseed	22.0 rosin
(37053)	17.8	43 linseed	22.0 rosin
(3756)	21.8	56 linseed	13.0 rosin
(37Y18)	21.8	56 linseed	13.0 rosin
(37Y3)	Beckosol 1341	- linseed	- mod. phenolic
(37029)	29.1	35 soya	21.2 maleic rosin ester
(37041)	40.0	42 soya	4 phenolic
(37Y6)	37.7	51 soya	3 rosin
(37A14)	21.0 *	55.5 soya	10 rosin
(37059)	16.1 *	56 soya	8.7 rosin
(37A2)	26.6	59 soya	4.6 ether
(37A8)	27.0	37 D.C.O.	- Amberlax 80X
(37Y15)	Syntex 121	- D.C.O.	-
(37Y20)	Amberlax 292-X	- D.C.O.	-
(37A3)	27.3	42.4 C.W.O.	20.4 rosin
(3746)	12.5	45 C.W.O.	30.4 maleic - 3 mod. phen.
(37A9)	12.5	45 C.W.O.	30.4 maleic - 3 mod. phen.
(3750)	13.0	52 C.W.O.	25.3 maleic - 3 mod. phen.
(37061)	14.5 *	33 tall	37 rosin
(37A16)	14.1	39 tall	33.6 rosin
(3743)	20.3	42 tall	28 rosin
(3744)	20.3	42 tall	28 rosin
(37028)	20.3	42 tall	28 rosin
(37055)	20.3	42 tall	28 rosin
(37A5)	20.4 **	58 fish	8.4 mod. phenolic
(37D4)	20.4 **	58 fish	8.4 mod. phenolic
(37052)	29.6	20 tall - 10.5 linseed	7.6 mod. phenolic
(37Y21)	34.0	20.7 linseed - 12.7 tall	15.3 mod. phenolic
(37A4)	23.0	21 C.W.O. - 15 linseed	40 Congo
(37D16)	22.0	30.2 tall - 8.1 C.W.O.	26.5 rosin
(37N3)	31.2	20 soya - 20 C.W.O.	14.6 phenolic
(37064)	13.0	37 C.W.O. - 12 linseed	30 mod. phenolic

* plus 757

** plus maleic anhydride

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Please insert in Class 3700 Handbook Section

Number	#/Gal. @ 75 °F.	F. P. °F. T.O.C.	Number	#/Gal. @ 75 °F.	F. P. °F. T.O.C.
(37C63)	8.40	105	(3752)	7.85	-
(3734)	8.24	81	(37C40)	7.79	-
(37C42)	8.10	-	(37D5)	7.79	-
(37C53)	8.14	40	(37C18)	8.33	100
(3756)	7.51	100	(37C15)	7.56	100
(37Y18)	8.33	100			
(37Y3)	8.05	-	(37C56)	7.34	50
			(3732)	8.07	81
(37C29)	7.93	-	(37C48)	7.84	-
(37C41)	8.25	81	(37C50)	7.80	-
(37Y6)	7.59	100	(37C49)	7.75	100
(37A14)	6.87	135	(37C57)	8.95	-
(37C59)	6.89	135			
(37A2)	7.79	135	(3702)	8.2	-
			(37P2)	7.60	-
(37A8)	8.80	-	(37P11)	8.0	-
(37Y15)	7.80	-	(37Y4)	8.15	-
(37Y20)	7.76	100	(37P9)	8.15	-
(37A3)	7.70	-	(37D14)	8.9	-
(3746)	7.62	-	(37P10)	8.75	-
(37A9)	8.23	105			
(3750)	7.95	-	(37N5)	8.01	-
			(37Y19)	8.16	-
(37C61)	7.6	-			
(37A16)	7.9	50			
(3743)	7.58	100			
(3744)	8.16	81			
(37C28)	8.26	81			
(37C55)	8.29	135			
(37A5)	7.41	-			
(37D4)	7.36	-			
(37C52)	8.05	-			
(37Y21)	8.20	-			
(37A4)	7.25	-			
(37D16)	7.35	-			
(37N3)	8.11	81			
(37C64)	7.96	81			

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Polyol	Thinner	% NVM	Body	Cure	A. V.	Max. Color	Number
X-565	(329)	65	Z-Z ₁	20"-25"	25-35	10	(37063)
glyc.	(323)	50	W-Y	5"-8"	24-36	12	(3734)
glyc.	96(323) 4(411)	50	B-D	-	3-5	12	(37042)
glyc.	(317)	50	A-	-	3-5	12	(37053)
PE	(145)	50	E-G	-	-	11	(3756)
PE	(145)	85	-	-	-	-	(37Y18)
-	(323) & (125)	60	Z2-Z ₄	-	8-12	11	(37Y3)
glyc.	70(323) 30(125)	50	U-X	13"-17"	5-9	11	(37029)
glyc.	(323)	50	W-Y	10"-15"	10-15	8	(37041)
PE	(145)	50	U-Y	10"-25"	6-15	-	(37Y6)
glyc.-PE	(130)	30	G-J	11"-16"	24 max.	7	(37A14)
glyc.-PE	(130)	30	H-J	9"-15"	22 max.	8	(37059)
PE	(141)	60	510"-810"	15"-25"	15-21	10	(37A2)
-	(323)	70	Z6	-	20-40	11	(37A8)
-	-	50	Z1-Z5	-	-	11	(37Y15)
-	(323)	50	L-P	-	13 max.	4	(37Y20)
glyc.	70(125) 30(323)	50	U-W	6"-8"	15	13	(37A3)
glyc.	63(323) 37(323)	50	T-V	4"-8"	25-30	12	(3746)
glyc.	(329)	55	W-Y	4"-8"	25-30	13	(37A9)
glyc.	67(323) 33(122)	55	G-I	8"-10"	40-50	13	(3750)
glyc.-PE	80(122) 20(323)	50	U-W	5"-15"	32-36	8	(37061)
PE	(125)	70	Y-Z ₁	-	16 max.	10	(37A16)
PE	(145)	50	X-Z ₂	10"-14"	15 max.	12	(3743)
PE	(323)	60	X-Z	10"-14"	15 max.	12	(3744)
PE	70(125) 30(145)	50	W-Z ₁	10"-14"	15 max.	12	(37038)
PE	(332)	60	Z1-Z ₂	10"-14"	15 max.	12	(37055)
PE	77(145) 23(332)***	34	E-G	10"	44-73	13	(37A5)
PE	77(145) 23(332)	35	G-I	8"-10"	40-45	13	(37D4)
glyc.-PE	50(125) 50(323)	60	Z3-Z5	10"-16"	10-20	12	(37052)
glyc.	75(323) 25(125)	55	Y-Z ₁	10"-15"	10 max.	12	(37Y21)
glyc.	75(323) 25(122)	60	U-W	10"-12"	-	dark	(37A4)
PE	76(125) 24(145)	45	W-Y	15"-20"	30-35	13	(37D16)
glyc.	(323)	50	P-S	22"-30"	30	12	(37N3)
glyc.	(323)	50	B-D	13"-17"	15-25	14	(37064)

*** contains driers

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Number	Est. Anal. PA Content	% & Type Oil	% & Type Resin
(3752)	29.6	35 soya - 16 C.W.O.	3 phenolic
(37C40)	29.8	37.4 linseed - 15.4 C.W.O.	2.6 phenolic
(37D5)	29.8	35 soya - 18 C.W.O.	2.7 phenolic
(37C18)	8.0 **	37.8 soya - 10 tall	31.4 rosin
(37C15)	18.5	21 tall - 17 fish - 17 black	17.6 rosin
(37C56)	14.6	22.3 soya - 4.0 C.W.O.	49 vinyltoluene
(3732)	19.7	27.6 soya - 6.0 C.W.O.	35 polystyrene
(37C48)	19.4	31 fish	35 polystyrene
(37C50)	20.6	31 fish	35 polystyrene
(37C49)	22.4	43 linseed	32 polystyrene
(37C57)	20.2	50.5 linseed	9.3 vinyltoluene
(37O2)	Cyclopol S-102-5	- -	- -
(37P2)	Cyclopol S-101-1	- -	- -
(37P11)	Cyclopol S-320-5	- -	- -
(37Y4)	Styretex 312	- -	- -
(37P9)	Styretex 317	- -	- -
(37D14)	ST-856	- -	- silicone
(37P10)	ST-856	- -	- silicone
(37N5)	Modified Polyester	- D.C.O.	- -
(37Y19)	Beckosol SF-2713	- -	- -

** plus maleic anhydride

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Polyol	Thinner	% NVM	Body	Cure	A. V.	Max. Color	Number
glyc.	70(323) 30(125)	50	U-W	12"-16"	7-9	10	(3752)
glyc.	50(323) 50(125)	50	U-X	12"-18"	7-9	12	(37C40)
	(10(332) 6.5(145))						
glyc.	(56(323) 27.5(125))	45	M-O	12"-16"	7-9	14	(37D5)
PE	(145)	90	Y-Z ₁	-	10 max.	12	(37C18)
PE	(145)	50	T-V	20"-30"	10-20	18	(37C15)
glyc.	(125)	50	Z ₁ -Z ₂	15"-25"	10-20	8	(37C56)
glyc.	(323)	50	Q-T	8"-12"	18 max.	8	(3732)
glyc.	60(323) 40(125)	50	T-W	8"-12"	5 max.	8	(37C48)
glyc.	60(323) 40(125)	50	T-W	8"-12"	10-20	9	(37C50)
glyc.	(145)	60	Z ₁ -Z ₃	6"-9"	10 max.	9	(37C49)
PE Carbowax	none	100	5'-13'	25"-45"	17-21	8	(37C57)
-	(323)	60	Z-Z ₂	-	5 max.	8	(3702)
-	-	50	Z ₁ -Z ₄	-	3-8	8	(37P2)
-	(323)	50	W-Z	-	4-8	-	(37P11)
-	-	60	Z-Z ₂	-	5-10	6	(37Y4)
-	-	60	Z-Z ₂	-	8-12	6	(37P9)
-	(323)	55	V-X	2'	2-6	4	(37D14)
-	(323)	55	V-X	2'	2-6	4	(37P10)
-	-	50	S	-	10 max.	4	(37N5)
-	-	55	U-X	-	-	9	(37Y19)

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Remarks

- (3702) - Used where fast dry is essential.
- (3732) - Very fast dry. Used in general industrial vehicle and hammer finishes.
- (3743) - Used in low cost Implement Enamels.
- (3750) - Used in flat wrinkle finishes. Gives a very fine and uniform pattern.
- (3752) - Possesses rapid dry, high gloss and good durability.
- (3756) - Trade Sales Vehicle.
- (37A2) - Used in Graphic Arts line as a Paste Filler.
- (37A3) - Fast drying varnish that dries to a very hard film. Is used in Industrial Enamels.
- (37A4) - Used in wrinkle finishes.
- (37A5) - Trade Sales Vehicle.
- (37A8) - Possesses outstanding flexibility and adhesion to timplate. Used in metal decorating finishes.
- (37A14) - Odorless flat wall vehicle.
- (37C15) - Low cost vehicle used in Railroad finishes.
- (37C29) - Possesses rapid dry with good flexibility for a vehicle this short. Used in the fast dry line.
- (37C38) - Used in government specifications. Dries faster than (3743) because of solvent combination.
- (37C40) - Possesses rapid dry, high gloss and good durability.
- (37C42) - Used in lacquers.
- (37C48) - Used in fast dry aluminum paints.
- (37C49) - Used in stencil paints.

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- (37C50) - Low cost version of (3732). Has about the same properties, but poorer in color and color retention.
- (37C53) - Same as (37C42), but cut in different solvent.
- (37C56) - Very rapid dry and cut in aliphatic solvent.
- (37C57) - Used as emulsion vehicle for tinting base.
- (37C59) - Odorless flat wall vehicle.
- (37C61) - Very fast dry. Used in label coatings.
- (37C63) - Used as emulsion vehicle.
- (37C64) - Used in Implement Enamels.
- (37N3) - Sherdye Vehicle.