

Formulation Additives Experimentally Evaluated for Solvent and Water-Based Coatings

Vendor/Supplier	Trade Name	Advertised Function	Chemical Type	
ADM Ross & Rowe Air Products and Chemicals Inc.	Yelkinol G	wetting agent / dispersant	nonionic lecithin form	
	Surfynol 104 E	wetting agent / defoamer	nonionic proprietary acetylenic diol HLB 4	
	Surfynol 104PG-50	wetting agent / defoamer	nonionic proprietary acetylenic diol HLB 4	
	Surfynol 420	wetting agent / defoamer	nonionic ethoxylated acetylenic diol HLB 4	
	Surfynol 440	wetting agent / defoamer	nonionic ethoxylated acetylenic diol HLB 8	
	Surfynol 465	wetting agent / defoamer	nonionic ethoxylated acetylenic diol HLB 13	
	Surfynol 485	wetting agent / defoamer	nonionic ethoxylated acetylenic diol HLB 17	
	Surfynol 502	wetting agent / defoamer	nonionic modified acetylenic diol	
	Surfynol SE-F	wetting agent / defoamer	nonionic ethoxylated acetylenic diol	
	Surfynol TO	wetting agent / grinding aid	nonionic modified acetylenic diol HLB 10	
	Surfynol GA	dispersant / grinding aid	nonionic modified acetylenic diol HLB 13	
	Surfynol CT-131	dispersant / grinding aid	nonionic/anionic solvent free proprietary mixture	
	Surfynol CT-136	dispersant / grinding aid	anionic proprietary mixture for high HLB	
	Surfynol CT-141	wetting agent / dispersant	anionic proprietary mixture for high HLB	
	Surfynol CT-324	wetting agent / dispersant	anionic proprietary mixture for high HLB	
	Surfynol DF-58	anti- foaming agent	nonionic organo — modified silicone	
	Surfynol DF-75	anti- foaming agent	nonionic organic— based	
	Surfynol DF-110D	anti— foaming agent	nonionic acetylenic— based	
	Surfynol DF-695	anti — foaming agent	nonionic silicone — based	
	Albright and Wilson Americas Inc.	Briquest 301-50A	deflocculant /complexer	amino tri(methylene phosphonic acid)
		Eltesol SX 93	dispersant / coupling agent	sodium xylene sulfonate NaSO3C8H10
		Empicol LZ/D	dispersant / complexer	sodium C12— C18 alkylsulfate
		STPP	dispersant / complexer	sodium tripolyphosphate Na5P3O10
KTPP		dispersant / complexer	potassium tripolyphosphate K5P3O10	
Albrite TBPO4		plasticizer/ flame retardant	tri butyl phosphate C12H2,PO,	
Angus Chemical Co.	AMP -95	dispersant / emulsifier	2 - amino —2 — methyl— 1 — propanol	
	NiPar 640	wetting agent / dispersant	nitro ethane + nitro propane	
	Alkaterge— E	wetting agent / dispersant	ethyl hydroxymethyl oleyl oxazoline	
	Alkaterge-T	dispersant / anti— corrosive	heptadecenyl ethyl oxazoline methanol	
BKY Chemie	BKY - P 104 S	wetting agent / dispersant	unsaturated polysiloxane/polycarboxylic acid	
	BKY - 155	polymeric dispersant	anionic sodium salt of acrylic acid copolymer	
	BKY - 156	polymeric dispersant	anionic ammonium salt of acrylic copolymer	
	Disperbyk	wetting agent / dispersant	alkylol ammonium salt of polycarboxylic acid	
	Disperbyk - 110	wetting agent / dispersant	copolymer with acidic groups	
	Disperbyk - 160	wetting agent / dispersant	blocked copolymers with pigment affinity groups	
	Disperbyk- 181	wetting agent / dispersant	anionic alkanlammonium salt of funtional polymer	
	Lactimon - WS	wetting agent / dispersant	anionic polycarboxylic acid with amine in silicone	
	Buckman Laboratories Inc.	Busperse 39	wetting agent / dispersant	sodium neutralized polyacrylate
		Busperse 47	wetting agent / dispersant	anionic fatty acid in DMF
Busperse 203		wetting agent / dispersant	proprietary polyacrylate	
Busperse 229		wetting agent / dispersant	Busperse 39 + Busperse 47	
Busperse 275		wetting agent / dispersant	un— neutralized polyacrylate	
Central Soya		Actiflo 68 -UB	wetting agent / dispersant	nonionic lecithin complex HLB 2
		Centrolex-P	wetting agent / dispersant	nonionic lecithin complex HLB 7
		Blendmax 322- D	wetting agent / dispersant	nonionic lecithin complex HLB 8
	Centrol CA	wetting agent / dispersant	nonionic lecithin complex HLB 6	
	Centrobake 100 -L	wetting agent / dispersant	nonionic lecithin complex high HLB	
	Centrolene A	wetting agent / dispersant	nonionic lecithin complex HLB 10	
	Centrolex-P	wetting agent / dispersant	nonionic lecithin complex HLB 7	
	Centromix— E	wetting agent / dispersant	nonionic lecithin complex HLB 12	
	Centrophase 31	wetting agent / dispersant	nonionic lecithin complex HLB 4	
	Centrophase C	wetting agent / dispersant	nonionic lecithin complex HLB 4	
	Centrophase NW	wetting agent / dispersant	nonionic lecithin complex HLB 4	
	Chartwell International Inc.	B-515	adhesion promoter	aluminum — amino complex
		B-515.1	adhesion promoter	bimetallic— amino complex
B-525		adhesion promoter	aluminum— carboxyl complex	
B-525.1		adhesion promoter	bimetallic— amino complex	
Cook Composites and Polymers		Coroc A-620-A2	leveling agent / grinding aid	polyacrylate in solvents
	Coroc A-2201-M	leveling agent	polyacrylate in solvents	
	Coroc A-2678-M	leveling agent / grinding aid	water reduced polyacrylate	
	Coroc A-3661-E3	dispersant / grinding aid	polyacrylate in solvents	
	Coroc R-1623-M3	leveling agent	polyester microgel in solvents	
	Coroc A-2SSO-W	leveling agent	aqueous acrylic microgel	
	Coroc A- 4023- M 3	leveling agent	acrylic microgel in solvents	
Daniel Products Co.	Disperse Ayd 1	wetting agent / dispersant	surfactant alkyd dispersion in spirits	
	Disperse Ayd 6	wetting agent / dispersant	anionic dispersants in xylene	
	Disperse Ayd 8	wetting agent / dispersant	surfactant alkyd dispersion in spirits	
	Disperse Ayd 15	wetting agent / dispersant	acrylic dispersion in glycol acetate	
	Disperse Ayd W-22	wetting agent /dispersant	nonionic/anionic synergistic blend	
	Disperse Ayd W-28	wetting agent / dispersant	nonionic/anionic synergistic blend	
	Dapro W-77	wetting agent	nonionic/anionic synergistic blend	

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Dexter Chemicals	Strodex PK-80A	wetting agent / dispersant	anionic ethoxylated alkyl phosphate ester	
	Strodex PK-95G	wetting agent / dispersant	anionic ethoxylated alkyl phosphate ester	
	Dextrol OC-15	wetting agent / dispersant	anionic ethoxylated alkyl phenoxy phosphate	
	Dextrol OC-20	wetting agent / dispersant	anionic ethoxylated alkyl phenoxy phosphate	
	Dextrol OC-50	wetting agent / dispersant	anionic ethoxylated alkyl phenoxy phosphate	
Dow Chemicals	Dextrol OC-70	wetting agent / dispersant	anionic ethoxylated alkyl phenoxy phosphate	
	Dowfax 2A1	wetting agent / dispersant	anionic aliphatic diphenyl oxide disulfonate	
	Dowfax 2EP	wetting agent / dispersant	anionic aliphatic diphenyl oxide disulfonate	
	Dowfax 3B2	wetting agent / dispersant	anionic aliphatic diphenyl oxide disulfonate	
Harcross Organics	T-Mulz 565	wetting agent / dispersant	anionic phosphate ester blend	
	T-Mulz 598	wetting agent / dispersant	anionic phosphate ester blend	
	T-Det N-4	wetting agent / dispersant	nonionic ethoxylated nonyl phenol HLB 9	
	T-Det N-8	wetting agent / dispersant	nonionic ethoxylated nonyl phenol HLB 12	
	T-Det N-12	wetting agent / dispersant	nonionic ethoxylated nonyl phenol HLB 14	
Henkel Corp.	Disponil SMO 100 F-1	dispersant	nonionic ethoxylated sorbitan oleate HLB 4	
	Hyonix GL 400	wetting agent / dispersant	nonionic ethoxylated nonyl phenol HLB 18	
	Hyonix PE 260	wetting agent / dispersant	nonionic ethoxylated nonyl phenol HLB 13	
	Lomar PWA	dispersant	anionic ammonium naphthalene sulfonate	
	Nopco 1186 A	wetting agent	anionic dioctyl sodium sulfosuccinate	
	Nopcosperse 44	dispersant / wetting agent	anionic polyelectrolyte	
	Disponil 05	wetting agent / dispersant	nonionic proprietary surfactant	
	Texaphor 963	dispersant / grinding aid	polycarboxylate and amines in aromatics	
	Texaphor 3061	wetting agent / dispersant	polycarboxylate in aromatic solvents	
	Texaphor VP 3098	wetting agent / dispersant	polycarbonic acid in xylene	
	Texaphor Special	anti— settling agent	mixture of anionic surfactants in solvent	
	Perenol F 40	leveling agent	acrylate copolymer solution	
	Atmer 110	anti— static agent	polyoxyethylene sorbitan laurate	
	Atmer 163	anti— stat neutralizing agent	N, N-Bis (2 — hydroxyethyl) alkylamine	
	ICI Americas	Hypermer LP6	particle dispersant	proprietary polymer
Hypermer LP7		particle dispersant	proprietary polymer	
Hypermer LP8		particle dispersant	proprietary polymer	
Hypermer PS3		particle dispersant	proprietary polymer	
K-Sperse 152		dispersant/wetting agent	proprietory polymer	
King Industries	Dislon KS-281	anti -floating agent	organo zinc sulfonate	
	Dislon 873 N	wetting agent / dispersant	nonionic /anionic amine salts of polyesters	
	Dislon 3600 N	anti-sag/anti-settling agent	nonionic/ anionic amine salts of polyesters	
	Dislon 4200-10	anti — sag / anti — settling agent	nonionic polyether / ester thixotrope	
	Dislon 6500	anti— sag /anti— settling agent	wax— based polyolefin thixotrope	
	Dislon 6900-20X	anti — sag / anti — settling agent	nonreactive polyamide thixotrope	
	Dislon 7004	wetting agent / dispersant	nonreactive polyamide thixotrope	
	Dislon L-1983	level agent / defoamer	anionic polyether / ester	
	Dislon L-1982	leveling agent	nonionic polyacrylate low polarity	
	Dislon L-1984	leveling agent	nonionic polyacrylate medium low polarity	
	Dislon L-1980	leveling agent / dispersant	nonionic polyacrylate medium high polarity	
	Dislon OX-70	anti — foaming agent	nonionic polyacrylate high polarity	
	Dislon OX- 60	anti-foaming agent	nonionic polyacrylate low polarity	
	Dislon 1950	anti — foaming agent	nonionic polyacrylate medium low polarity	
	Dislon 1970	anti-foaming agent	nonionic polyacrylate medium high polarity	
Lubrizol Corp.	Lubrizol 2061	adhesion promoter	nonionic polyacrylate high polarity	
	Lubrizol 2062	adhesion promoter	anionic acid of alkyl phosphate ester	
	Lubrizol 2063	adhesion promoter	anionic acid of alkyl/aryl phosphate ester	
	Lubrizol 2152	dispersant/wetting agent	anionic acid of carboxy phosphate ester	
	Lubrizol 2155	dispersant/wetting agent	anionic calcium sulfonate	
	Lubrizol 2401	surfactant monomer	nonionic alkyl amide alkene amine	
	Lubrizol 2405	surfactant monomer	alkene amido sulfonic acid	
	Ircospense 2170	dispersant/wetting agent	alkene amido sodium sulfonate	
	Ircospense 2171	dispersant / wetting agent	hydroxy ethylated amino ethyl amide	
	Ircospense 2172	dispersant/wetting agent	polyolefin anhydride	
	Ircospense 2174	dispersant / wetting agent	polyolefin amide alkene amine	
	Ircospense 2177	dispersant / wetting agent	alkyl amino polyester	
	Monsanto Corp.	Modaflow Resin	leveling /wetting agent	hydroxy alkylated amine phenol
		Multiflow Resin	leveling / wetting agent	alkyl ester acrylate copolymer
		Madaflow 2100	leveling / wetting agent	alkyl ester acrylate copolymer
3M Industrial Chemical Products Div.	Fluorad FC-99	wetting / leveling agent	alkyl ester acrylate copolymer	
	Fluorad FC-120	wetting / leveling agent	anionic perfluoroalkyl sulfonates	
	Fluorad FC-129	wetting / leveling agent	anionic perfluoroalkyl sulfonates	
	Fluorad FC-170C	wetting / leveling agent	anionic fluoro alkyl carboxylates	
	Fluorad FC-171	wetting /leveling agent	nonionic fluoro polyoxyethylene ethanols	
	Fluorad FC-430	wetting / leveling agent	nonionic fluoro alkyl alkoxyates	
Niacet Corp.	Niaproof 4	wetting agent / penetrant	nonionic fluoro alkyl esters	
	Niaproof 8	wetting agent / penetrant	sodium tetradecyl sulfate	
OM Group	Dri-Rx	drying accelerator	sodium 2-ethylhexyl sulfate	
	Co Hydro -Cure	drying accelerator	glycol ether metal complexer	
	Mn Hydro -Cure	drying accelerator	cobalt naphenate in mineral spirits	
	Zr Hydro -Cem	drying accelerator	manganese carboxylates in mineral spirits	
	Spurso	anti— floating / dispersant	zirconium carboxylates in mineral spirits	
			proprietary alkylid in mineral spirits	

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Paint Chemicals	No. 901 G.D.A	grinding aid / dispersant	nonionic acetylenic diol in solvents	
	ASASWA	wetting /anti— sagging agent	cationic non- acrylic diol polymer	
	Chem-Rez J-50	wetting / leveling agent	nonionic acetylenic diol in solvents	
PPG Industries	HSWADA	wetting agent / dispersant	nonionic acrylic polymer	
	WRAPA	wetting / leveling agent	anionic water reducible non— acrylate	
	Avanel S-74	wetting agent / dispersant	anionic proprietary cleaning surfactant	
	Macol OP-10 SP	wetting agent / dispersant	nonionic octyl phenol ethoxylates	
	Mapeg 400 ML	wetting agent / dispersant	nonionic polyethylene glycol ester	
	Maphos 60 A	wetting agent / dispersant	anionic aliphatic phosphate ester	
	Mazclean EP	wetting agent / dispersant	nonionic emulsifier for d— limonene	
	Maztreat 76	anti -foaming agent	nonionic proprietary organic blend	
	Mazsperser 85 B	wetting agent / dispersant	nonionic ethoxylated sorbitan trioleate	
	Mazsperser 264 A	anti-static agent	cationic quarternary ammonium etho sulfate	
	Mazsperser 1525-90	wetting agent / dispersant	nonionic proprietary ethoxylate	
	Mazwet DF	wetting agent / dispersant	nonionic proprietary ethoxylate	
	S-Maz 85	wetting agent / dispersant	nonionic sorbitan trioleate	
	T-Maz 85	wetting agent / dispersant	nonionic ethoxylated sorbitan trioleate	
	Mazon SAM-211	wetting agent / dispersant	anionic polyalkoxy sulfate monomer	
	Rhone Poulenc	Colloid 102	wetting agent / dispersant	anionic acrylic polymer MW 3400
		Colloid 204	wetting agent / dispersant	anionic acrylic polymer MW 10000
Colloid 225		wetting agent / dispersant	anionic acrylic polymer	
Colloid 226/35		wetting agent / dispersant	anionic acrylic polymer	
Colloid 270 D		wetting agent / dispersant	anionic acrylic polymer MW 3200	
Colloid 284		wetting agent / dispersant	anionic acrylic polymer MW 2200	
Colloid 286		wetting agent / dispersant	anionic acrylic copolymer	
Manchem APG X		coupling agent / dispersant	zircoaluminum — organic complex	
Manchem APG -2		coupling agent / dispersant	zircoaluminum — organic complex	
Manomet 10		coupling agent / dispersant	zinc /aluminum— organic complex	
Riceland Foods	Lecigran MT-2	wetting agent / dispersant	granule soybean lecithin complex	
	Lecigran MT-3	wetting agent / dispersant	powdered soybean lecithin complex	
Synthetic Products Troy Chemical	Synpro 303	anti-settling thixotrope	aluminum salt of stearic acid (Al distearate)	
	Troysol AFP	wetting /anti-floating agent	CaCO ₃ with surfactants and dispersants	
	Troysol 98 C	wetting agent / dispersant	amphoterich fatty amine	
	Troysol CD-1	dispersant / wetting agent	polymeric oil derivative	
	Troysol CD -2	dispersant / wetting agent	modified vegetable oil derivative	
	Troysol LAC	wetting / leveling agent	anionic proprietary surfactant mixture	
	Troysol Q 148	defoamer/ leveling agent	modified siloxane copolymer	
	Troysol S366	wetting / leveling agent	nonionic siloxane copolymer	
	Troysol U.G.A	dispersant /grinding aid	nonionic proprietary surfactant mixture	
	Troysperse W 516-2	wetting agent / dispersant	amphoterich proprietary surfactant mixture	
	Union Carbide	Silwet L-77	wetting / leveling agent	nonionic Si ethoxylate low HLB MW 600
		Silwet L-7210	dispersant / leveling agent	nonionic Si ethoxylate low HLB MW13000
		Silwet L-7602	wetting agent / dispersant	nonionic Si ethoxylate low HLB MW 3000
		Silwet L-76&4	wetting agent / dispersant	nonionic Si ethoxylate high HLB MW 4000
		Triton N-57	wetting agent / dispersant	nonionic nonyl phenol ethoxylate HLB 10
Triton N-101		wetting agent / dispersant	nonionic nonyl phenol ethoxylate HLB 13	
Triton X-45		wetting agent / dispersant	nonionic octyl phenol ethoxylate HLB 10	
Triton X-100		wetting agent / dispersant	nonionic octyl phenol ethoxylate HLB 14	
Tergitol 15-S-5		wetting agent / dispersant	nonionic alkyl ethoxylate MW 420 HLB 11	
Tergitol 15-S-7		wetting agent / dispersant	nonionic alkyl ethoxylate MW 508 HLB 12	
Tergitol 15 -S- 9		wetting agent / dispersant	nonionic alkyl ethoxylate MW 596 HLB 13	
Tergitol 15-S-15		wetting agent / dispersant	nonionic alkyl ethoxylate MW 860 HLB 16	
Tergitol TMN-6		wetting agent / dispersant	nonionic alkyl ethoxylate MW 543 HLB 12	
Tergitol XJ		wetting agent / dispersant	nonionic alkyl alkoxyate MW 2506	
Tergitol D-683		wetting agent / dispersant	nonionic alkylphenol alkoxyate MW 990	
Witco Organics Div.		Emcol 4500	wetting agent / dispersant	anionic sodium dioctyl sulfosuccinate
		Petro 425	dispersant / wetting agent	sodium alkyl naphthalene sulfonate
	Witflow 901	wetting agent / dispersant	sodium dioctyl sulfosuccinate	
	Witflow 902	wetting agent / dispersant	sodium oleoyl isopropanol amide sulfosuccinate	
	Witflow 912	dispersant / anti— corrosive	proprietary mixture of surfactants	
	Witflow 918	dispersing agent	alkylaryl isopropylamine sulfonate	
	Witflow 934	wetting agent / dispersant	modified fatty acid diethanolamide	
	Witflow 950	wetting agent / grinding aid	polypropoxy amino quaternary NH ₄ Cl	
	Witflow 953	wetting agent / grinding aid	polypropoxy alkyl quaternary NH ₄ Cl	
	Bubble Breaker 748	defoaming agent	silicone— free surfactant blend	
	Bubble Breaker 3056 A	defoaming agent	reacted silica in mineral oil / surfactant blend	
	Kemamine P-999	dispersant /anti-static agent	unsaturated fatty amine mixture	