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Agricultural solutions – product portfolio
Middle East and Africa

Nouryon

We will design and supply the ultimate solutions for your needs

Today and tomorrow

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	Physical form (20°C)	Description	Active content	Water content	pH ¹⁾	CMC g/l	Surface tension mN/m	Contact angle	Wetting power ²⁾ 1g/l	HLB ³⁾	Water	Veg oil	Application area	Function	Prime use
ADJUVANTS															
Adsee™ 900	Liquid	Fatty alcohol ethoxylate	90%	10%	5-7	1.0	26	41	5 sec	NA	Soluble	Dispersible	TM	Penetrant, wetter	Fungicides, Sulfonylureas, hydrophobic actives
Adsee™ AMP40	Liquid	Amphoteric	40%	60%	8.5-9.5	13.3	64	102	>5 min	25	Soluble	Insoluble	SL, SC, EW, ME	Humectant, penetrant, compatibilizer	Glyphosate, Glufosinate and fungicides
Adsee™ C-70A	Liquid	Cocoamine propyl amide	30%	70%	6.5-8.5	5.0	33	53	>5 min	22.9	Soluble	Insoluble	SL	Penetrant, compatibilizer	K Glyphosate 540, herbicide mixtures and fungicides
Agrilan® 1084	Liquid	Phosphate ester ethoxylate	100%	1%	1-2	0.42	26	48	5 min	NA	Soluble	Soluble	SC, SL, TM	Compatibilizer	High electrolyte systems (glyphosate salts & fertilizers)
DISPERSANTS															
Agrilan® 1015	Liquid	Alkoxylated phosphate ester	50%	25%	5.5-6.2	68	32	42	17 sec	NA	Soluble	Insoluble	EW, FC, SC, SE	Dispersant, emulsifier, wetter	Dispersant for aqueous formulations
Agrilan® 782	Liquid	Acrylate homopolymer	45%	55%	8.4	NA	70	111	>3 min	NA	Soluble	Insoluble	SC	Dispersant	Fertilizer
Agrilan® 789 Dry	White powder	Polyacrylate copolymer	95%	<5%	7-9	3.0	42	92	>5 min	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, co-dispersant	Premium, high load and multi-active formulations
Agrilan® 855	Liquid	Modified acrylic co-polymer	31-35%	50%	6-8	0.02	48	NA	NA	NA	Soluble	Insoluble	SC, SE	Dispersant, milling aid	Powerful and flexible dispersant, combine with Adsee™ 2610
Ethylan® NS-500 K	Solid	Alcohol block copolymer	100%	0.2%	6-7	NA	34	71	133 sec	14.1	Soluble	Insoluble	SC, SE	Dispersant, emulsifier, wetter	Versatile, standard co-dispersant for SC with Morwet® D-400 Powder
Morwet® D-400 Powder	Brown powder	Naphthalene sulphonate condensate	72.5%	3%	7.5-10	>25	60	83	>5 min	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, milling aid	Cost-effective all-purpose dispersant, combine with Berol® 790A
WETTING AGENTS															
Adsee™ 2610	Liquid	Non-ionic proprietary blend	83%	15-19%	5.5-7.5	NA	32.1	NA	30 sec	NA	Soluble	Dispersible	SC, SE, EW, FS, CS, ZC	Wetter, penetrant	Versatile, cost effective, use with Agrilan® 855
Adsee™ 900	Liquid	Fatty alcohol ethoxylate	90%	10%	5-7	1.0	26	41	5 sec	NA	Soluble	Dispersible	SC, SL, TM	Wetter, penetrant	Fungicides, Sulfonylureas, hydrophobic actives
Berol® 790A	White powder	Alkyl sulfonate	≥93%	≤3%	11.5-13.5	0.073	32	67	25 sec	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Multipurpose white color wetter, use with Morwet® D-400 Powder
EMULSIFIERS															
Agrilan® F525	Liquid	Tristyryl phenol alkoxylate	100%	0.5%	5-7	0.008	41	78	>180 sec	NA	Soluble	Insoluble	EC, EW, ME	Emulsifier	Combine with anionic emulsifier
Berol® 822	Liquid	CaDDBS in n-butanol	60%	0.3%	NA	NA	26	55	NA	NA	Insoluble	Soluble	EC, EW, SE	Emulsifier	Combine with nonionic emulsifier
Berol® 9960	Paste	Nonionic/anionic blend	100%	0.5%	5-7	NA	31	49	21 sec	NA	Soluble	Dispersible	EC	Emulsifier blend	Emulsifiers optimized for EC's based on aromatic solvents. Combining these products in pairs will result in stable EC's with excellent emulsification performance
Berol® 9968	Liquid	Nonionic/anionic blend	100%	0.5%	5-7	NA	28	37	8 sec	NA	Dispersible	Soluble	EC	Emulsifier blend	
Emulpon™ CO-20	Liquid	Castor oil ethoxylate 20 EO	100%	1%	5.5-7.5	1.16	39	77	>10 min	10.9	Dispersible	Soluble	EC, EW, ME	Emulsifier	Combine with anionic emulsifier
Emulpon™ CO-36	Liquid	Castor oil ethoxylate 36 EO	100%	0.5%	6-8	1.18	39	80	>10 min	13.4	Soluble	Soluble	EC, EW, ME	Emulsifier	Combine with anionic emulsifier
Emulpon™ CO-40	Liquid	Castor oil ethoxylate 40 EO	100%	0.5%	6-8	2.01	41	73	>10 min	13.8	Soluble	Soluble	EC, EW, ME	Emulsifier	Combine with anionic emulsifier
Ethylan® NS-500 K	Solid	Alcohol block copolymer	100%	0.2%	6-7	NA	34	NA	133 sec	14.1	Soluble	Insoluble	EC, EW, ME, SE	Dispersant, emulsifier, wetter	Aromatic and Armid® DM solvents, spontaneity enhancer
SOLVENTS															
Armid® DM10	Liquid	C10 dimethyl amide	>97%	<0.3%	NA	NA	NA	NA	NA	NA	Insoluble	Soluble	EC, EW	Oil soluble	Replace aromatic solvents
Armid® DM810	Liquid	C8–10 dimethyl amide	>97%	<0.3%	NA	NA	NA	NA	NA	NA	Dispersible	Soluble	EC, EW	Oil soluble	Replace aromatic solvents
Armid® FMPC	Liquid	Morpholine derivative	100%	0.5%	NA	NA	NA	NA	NA	NA	Soluble	Soluble	EC, EW, SL	Water soluble, co-solvent	NMP replacer, soluble in most solvents
SEED CARE															
Adsee™ D	Liquid	Synthetic co-polymeric blend	27%	72.3%	8.8	NA	NA	NA	NA	NA	Soluble	Insoluble	FS	Binder	Reduce dust-off

* Griffin method is used to calculate nonionic surfactants and Davis method is used to calculate amine containing surfactants and anionic surfactants

CS = Capsule suspension, EC = Emulsifiable concentrate, EW = Emulsion, oil in water, FS = Flowable conc. for seed treatment, ME = Microemulsions, SC = Suspension concentrate, SE = Suspoemulsions, SL = Soluble liquid, TM = Tankmix, WDG = Water dispersible granule, WP = Wetttable powder, WSG = Water soluble granule, ZS = CS combined with SC

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