

Nouryon

Ask us for your solutions



Agricultural solution - Product portfolio Asia



We will design and supply the ultimate solutions for your needs. Today and tomorrow

Finding ways to enhance your agrochemical products or innovate technologies for crop-protection is what we do. Every day. AkzoNobel is a global, reliable and sustainable partner with a broad range of environmentally safe, biodegradable and cost effective solutions. Working together will lead to a sustainable future, boosting productivity and yield. Test us.

¹⁾ 1% in water ²⁾ Draves test	GENERAL CHARACTERISTICS										SOLUBILITY		FUNCTIONALITY & USE		
	Physical form (20°C)	Description	Active content	Water content	pH ¹⁾	CMC g/l	Surface tension mN/m ²	Contact angle	Wetting power ²⁾ 1g/l	Water	Veg oil	Application area	Function	Prime use	
ADJUVANTS															
Adsee™ 611	Liquid	Fatty amine ethoxylate blend	100%	1%	6-7	0.027	38	66			Soluble		TM	Penetrant	Rice, all pesticides
Adsee™ 900	Liquid	Fatty alcohol ethoxylate	90%	10%	5-7	1.0	26	41	5 sec		Soluble	Dispersible	TM	Penetrant, wetter	Fungicides, SU's, hydrophobic actives
Adsee™ 907	Liquid	Tallow amine ethoxylate blend	96%	4%	9-11.5	0.062	39.5	71	>10 min		Soluble	Insoluble	SL	Penetrant	IPA Glyphosate 360
Adsee™ 1250HV	Liquid	Quarternary amine ethoxylate blend	65%	1%	8-11	0.01	34	63	<5 min		Soluble	Soluble	SL	Thickener	Paraquat SL Formulations
Adsee™ 1629	Liquid	Cetyl trimethyl ammonium chloride	29%	70%	6-9		34				Soluble		SL	Penetrant, Thickener with C-70A	Glufosinate, Glyphosate, 2,4-D, Paraquat
Adsee™ AB 600	Liquid	Tallow alkoxyated amine	100%	1%	6-9	0.01	37	66	46 sec		Soluble	Dispersible	TM	Penetrant, retention, spreading	Multipurpose
Adsee™ AB 650	Liquid	Oleyl alkoxyated amine blend	100%	1%	4-6	0.021	37	66	46 sec		Soluble	Dispersible	TM	Penetrant, retention, spreading	Multipurpose
Adsee™ C80W	Liquid	Cocoamine propyl amide	87%	13%	9-10	0.02	27	41	5 min		Soluble	Dispersible	SL, WDG	Penetrant, compatibilizer	K Glyphosate 540, herbicide mixtures
Adsee™ C-70A	Liquid	Cocoamine propyl amide	30%	70%	6.5-8.5	0.053	33	53	>5 min		Soluble	Insoluble	SL	Penetrant, compatibilizer	K Glyphosate 540, herbicide mixtures
Adsee™ C-70S	Liquid	Cocoamine propyl amide	30%	70%	6.5-8.5	0.014	30	55	>5 min		Soluble	Insoluble	SL	Penetrant, Thickener with 1629	Glufosinate, Glyphosate, 2,4-D, Paraquat
Ethomeen® C/15	Liquid	Cocoamine ethoxylate	100%	1%	11	0.04	29	47	40 sec		Soluble	Soluble	SL	Penetrant	Glyphosate in general
DISPERSANTS															
Agrilan® 700 Dry	White powder	Polyacrylate copolymer	95%	5%	7-8	NA	NA	NA	>5 min		Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, stabiliser	White, cost-effective
Agrilan® 755	Liquid	Polyacrylate copolymer	30%	19%	3.5-5	NA	NA	NA	>10 min		Soluble	Dispersible	SC, SE, OD	Dispersant, emulsifier, stabiliser	High performance SC stabiliser
Agrilan® 782 Dry	White powder	Polyacrylate copolymer	95%	5%	7-8	NA	NA	NA	>5 min		Soluble	Dispersible	WDG, WSG, WP	Dispersant, stabiliser	White, cost-effective
Agrilan® 788	Liquid	Polyacrylate copolymer	40%		8-10	NA	NA	NA	>5 min		Soluble	Dispersible	SC	Dispersant, stabiliser	White, cost-effective
Ethylan® NS-500LQ	Viscous liquid	Alcohol block copolymer	100%	0.2%	6.5-7.5	0.2	36	62	163 sec		Soluble	Insoluble	SC, SE	Dispersant, emulsifier, wetter	Versatile, standard co-dispersant for SC with Morwet D-425 Powder
Morwet® D-400 Powder	Brown powder	Naphthalene sulphonate condensate	72.5%	3%	7.5-10	>25	60	83	>5 min		Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, milling aid	Cost effective alternative for Morwet D-425 Powder
Morwet® D-425 Powder	Brown powder	Naphthalene sulphonate condensate	88%	4%	7.5-10	>25	60	85	>5 min		Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, milling aid	Robust, universal, reliable performance
Morwet® D-450 Powder	Brown powder	Naphthalene sulphonate blend	98%	2%	7.5-10		42		25 sec		Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, wetting, milling aid	Combination for improved granule breakdown
Morwet® D-500 Powder	Brown powder	Naphthalene sulphonate blend	98%	2%	7.5-10	>25	43		>5 min		Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, wetting, milling aid	Complete robust solution
WETTING AGENTS															
Adsee™ 900	Liquid	Fatty alcohol ethoxylate	90%	10%	5-7	1.0	26	41	5 sec		Soluble	Dispersible	SC, SL, TM	Wetter, penetrant	Fungicides, SU's, Hydrophobic actives
Ethylan® TD-60	Liquid	Fatty alcohol ethoxylate	98%	0.2%	6-8	0.04	27	33	13 sec				SC, SL, TM	Wetter, penetrant	Multipurpose
Ethylan® TD-100	Liquid to paste	Fatty alcohol ethoxylate	100%	0.2%	6-8	0.11	27	41	11 sec		Soluble	Dispersible	SC, SL, TM	Wetter, penetrant	Multipurpose
Morwet® EFW Powder	Brown powder	Naphthalene sulphonate blend	95%	2%	7.5-10	6.0	32	65	17 sec		Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Extra fast wetting, use with Morwet D-425 Powder
Morwet® IP Powder	Brown powder	Naphthalene sulphonate condensate	75%	2.5%	7.5-10	7.7	50	87	>5 min		Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Low foam
EMULSIFIERS															
Agrilan® AEC145	Liquid / paste	TSP-ethoxylate 15	100%	0.5%	6-7	0.015	41	63	6 min		Soluble	Soluble	EW, ME	Emulsifier	Combine with Lankropol KPH70
Berol® 829	Liquid	Castor oil ethoxylate 20	100%	1%	5.5-7.5	0.11	40	72	>10 min		Dispersible	Soluble	EC, EW, ME, OD	Emulsifier	Combine with anionic emulsifier
Berol® 904	Liquid / paste	Castor oil ethoxylate 36	100%	0.3%	6-7.5	0.29	41	73	>10 min		Soluble	Soluble	EC, EW, ME	Emulsifier	Combine with anionic emulsifier
Ethylan® 324	Paste	Alcohol akoxylate	100%	0.2%	6-8	0.03	36	56	>10 min		Soluble	Soluble	EC, EW, ME	Emulsifier, stabiliser	Aromatic and Armid DM solvents, spontaneity enhancer
Ethylan® 954 LQ	Liquid	Alcohol akoxylate	100%	0.3%	5-7	0.005	38	65	>5 min		Soluble	Soluble	EC	Emulsifier, penetrant	Aromatic, Armid DM solvents
Ethylan® 992	Paste	Alcohol akoxylate	100%	0.3%	5-7	0.4	34	58	26 sec		Soluble	Soluble	EC	Emulsifier	Aromatic solvents, Dimethoate
Ethylan® NS-500LQ	Viscous liquid	Alcohol block copolymer	100%	0.2%	6.5-7.5	0.2	36	62	163 sec		Soluble	Insoluble	EC, EW	Emulsifier, stabiliser	Aromatic and Armid DM solvents, spontaneity enhancer
Phospholan® PE169	Liquid	C13- ethoxylate Phosphate ester, acid	100%	<1%	2-3	0.02	28 (pH=6)	37 (pH=6)	23 (pH=6)		Dispersible	Soluble	ME, OD, SC, SE	Emulsifier, dispersant	Water soluble when neutralised, form ME with Agrilan AEC145
Witconate® P-1220EH	Liquid	Branched DDDBS, Ca salt	60%	1%	5-7	NA	NA	NA	NA		Dispersible	Soluble	EC, EW, ME	Emulsifier	Combine with Ethylan 324 & Ethylan NS-500LQ
Witconate® P-1460EH	Liquid	Linear DDDBS, amine salt, in 2-EH	60%	0.8%	5-7	NA	NA	NA	NA		Dispersible	Insoluble	EC, EW, ME, OD	Emulsifier	Aromatic and Armid DM solvents
EMULSIFIER BLENDS															
Berol® 9985	Liquid	nonionic / anionic blend	100%	0.8%	5-7						Dispersible	Soluble	EC, OD	Emulsifier blend	Versatile emulsifier- phenoxyes, dinitroanilines, MSO
SOLVENTS and OTHERS															
Adsee™ ST4	Liquid	Maltodextrin/vinylpyrrolidone polymer	24%	76%	4-6	NA	NA	NA	NA		Soluble	Insoluble	FS	Binder	Reduce dust-off, improve flowability
Armid® DM10	Liquid	C10 dimethyl amide	100%	0.5%	4-7	NA	NA	NA	NA		Insoluble	Soluble	EC, EW	Oil soluble	Replace NMP and aromatic solvents
Armid® DM810	Liquid	C8-10 dimethyl amide	100%	0.5%	NA	NA	NA	NA	NA		Dispersible	Soluble	EC, EW	Oil soluble	Replace NMP and aromatic solvents
Armid® FMPC	Liquid	Morpholine derivative	100%	0.5%	NA	NA	NA	NA	NA		Soluble	Soluble	EC, EW, SL	Water soluble, co-solvent	NMP replacer, soluble in most solvents

EC = Emulsifiable concentrate, EW = Emulsion, oil in water, FS = Flowable concentrate for seed treatment, ME = Microemulsions, OD = Oil dispersions, SC = Suspension concentrate, SE = Suspoemulsions, SL = Soluble liquid, TM = Tankmix, WDG = Water dispersible granule, WP = Wetttable powder, WSG = Water soluble granule

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We operate in over 80 countries around the world and is a leading supplier of specialty surfactants, polymers and solvents. Our agrochemical portfolio of industry-leading brands includes Morwets® (wetting agents and dispersants), Adsee™ adjuvants, Agrilan® dispersants, Armid® solvents, Ethylan® and Ethomeen® (alcohol and amine alkoxyates).

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