

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. Nouryon 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® 1028	Liquid	Alcohol ethoxylate phosphate ester		1%	2-3	0.54	25	36	45 sec		Dispersible	Insoluble	SC, SE, SL	Dispersant, compatibilizer	High electrolyte and fertilizer formulations
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 DDBS, 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 DDBS, 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- phenoxies, 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 = Wettable powder, WSG = Water soluble granule

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We are a global specialty chemicals leader. Markets worldwide rely on our essential chemistry in the manufacture of everyday products such as crop protection formulations, pharmaceuticals, personal care items, paper, plastics and building materials. Building on our nearly 400-year history, the dedication of our 10,000 employees, and our shared commitment to business growth, strong financial performance, safety, sustainability and innovation, we have established a world-class business and built strong partnership with our customers.

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 alkoxylates).

For more information visit nouryon.com/agriculture

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