

Nouryon

# Ask us for your solutions



Agricultural solution - Product portfolio Americas



# 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.

<sup>1)</sup> 1% in water <sup>2)</sup> Draves test	GENERAL CHARACTERISTICS									SOLUBILITY		FUNCTIONALITY & USE		
	Physical form (20°C)	Description	Active content	Water content	pH <sup>1)</sup>	CMC g/l	Surface tension mN/m <sup>2</sup>	Contact angle	Wetting power <sup>2)</sup> 1g/l	Water	Veg oil	Application area	Function	Prime use
<b>ADJUVANTS</b>														
Adsee™ 611	Liquid	Fatty amine ethoxylate blend	100%	1%	6-7	0,027	38	66	48 sec	Soluble	Dispersible	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™ 978	Viscous liquid	Alcohol block copolymer	100%	0.2%	5-7		37	63	<5 min	Soluble	Insoluble	TM	Wetter, rewetter	Peat and turf
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	5.0	33	53	>5 min	Soluble	Insoluble	SL	Penetrant, compatibilizer	K Glyphosate 540, herbicide mixtures, not in TSCA
Ethomeen® T/15	Liquid	Tallow amine ethoxylate 5	100%	1%	8-9	0.006	31	61	80 sec	Soluble	Soluble	SL	Penetrant	Glyphosate in general
Ethomeen® T/25	Liquid	Tallow amine ethoxylate 15	100%	1%	9-11	0.03	39	71	>10 min	Soluble	Partly soluble	SL	Penetrant	IPA Glyphosate 360, SU's
Ethomeen® HT/60	Solid	Tallow amine ethoxylate 50	100%	1%	9-11	NA	47	71	>10 min	Soluble	Insoluble	WDG	Penetrant	NH4 Glyphosate, dry formulation
<b>DISPERSANTS</b>														
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® 789 Dry	White powder	Polyacrylate copolymer	95%	5%	7-8	3.0	42	92	>5 min	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, stabiliser	White, hard water tolerant, low foam
Armak 2106	Brown powder	Lignosulphonate polymer								Soluble		SC, WDG, WSG, WP	Penetrant	OMRI certified
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-500 Powder	Brown powder	Naphthalene sulphonate blend	99%	2%	7.5-10	>25	43		>5 min	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, wetting, milling aid	Complete robust solution
Morwet® D-809 Powder	Brown powder	Naphthalene sulphonate condensate	88%	4%	7.5-10	>25	63	86	>5 min	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, milling aid	Premium, hard water tolerant
<b>WETTING AGENTS</b>														
Lankropol® KPH70	Liquid	Diocylsulfosuccinate in mpg/water	70%	11%	5-8	1.6	34	35	4 sec	Opaque sol	Insoluble	EC, EW, ME	Wetter	Extra fast, no colour
Morwet® 3028 Powder	Brown powder	Naphthalene sulphonate blend	95%	2%	7.5-10	1.5	36	64	20 sec	Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Low hygroscopicity
Morwet® DB Powder	Brown powder	Naphthalene sulphonate	75%	3%	7.5-10	0.013	43	66	250 sec	Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Low active content formulations
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
<b>EMULSIFIERS</b>														
Emulpon™ CO-360	Liquid/paste	Castor oil ethoxylate 36	100%	0.2%	6.5-7.5	0.3	39	73	>10 min	Soluble	Soluble	EC, EW, ME	Emulsifier	Combine with anionic emulsifier
Ethylan® 324	Paste	Alcohol alkoxyate	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® 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
Sponto® EC-452	Liquid	Nonionic/anionic blend	100%	0.5%	5-7	NA	NA	NA	13 sec	Dispersible	Dispersible	EC	Emulsifier blend	Versatile emulsifier- phenoxies, dinitroanilines, MSO
Sponto® EC-601	Liquid	Nonionic/anionic blend	100%	1%	5-8	0.034	36	51	>10 sec	Soluble	Dispersible	EC	Emulsifier blend	2,4-D, acetochlor, butylchlor, bromoxonyl EC fomulation
Witconate® P-1220BUST	Liquid	Branched DDBS, Ca salt	70%	0.8%	7-8	NA	NA	NA	38 sec	Dispersible	Soluble	EC, EW, ME, OD	Emulsifier	Propylene glycol/n-butanol solvent blend
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-1220PG	Liquid	Branched DDBS, Ca salt								Dispersible	Soluble	EC, EW, ME, OD	Emulsifier	Propylene glycol, high flashpoint
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
<b>SOLVENTS and OTHERS</b>														
Adsee™ ST4	Liquid	Maltodextrin/vinylpyrrolidone polymer	24%	76%	4-6	NA	NA	NA	NA	Soluble	Insoluble	FS	Binder	Reduce dust-off, improve flowabilit
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



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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 alkoxylates).

For more information visit [nouryon.com/agriculture](http://nouryon.com/agriculture)

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