



Ask us for your solutions



Agricultural solutions - product portfolio
Europe, Middle East and Africa

Nouryon

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 3) McGowan	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	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	6	Soluble	Dispersible	TM	Penetrant, wetter	Fungicides, Sulfonylureas, hydrophobic actives
Adsee™ 907	Liquid	Tallow amine ethoxylate blend	96%	4%	9-11.5	0.062	39.5	71	>10 min	14	Soluble	Insoluble	SL	Penetrant	IPA Glyphosate 360
Adsee™ 973	Liquid	Alcohol alkoxylate blend	100%	1%	6-8	0.007	39	68	>5 min	19	Soluble	Soluble	SL, SC, SE, TM	Penetrant, humectancy	Sulfonylureas and Hydrophilic actives, fast uptake
Adsee™ AB 615	Liquid	Oleyl alkoxylated amine	100%	1%	6-9	0.01	33	51	24 sec	9	Soluble	Insoluble	SL, SC, SE, TM	Penetrant, retention	Multipurpose
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™ C80W	Liquid	Cocoamine propyl amide	87%	13%	9-10	0.02	27	41	5 min	9	Dispersible	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	9	Soluble	Insoluble	SL	Penetrant, compatibilizer	K Glyphosate 540, herbicide mixtures, not in TSCA
Ethomeen® C/15	Liquid	Coco amine ethoxylate	100%	1%	11	0.04	29	47	40 sec	13	Soluble	Soluble	SL	Penetrant	Glyphosate in general
Ethomeen® C/25	Liquid	Coco amine ethoxylate	100%	1%	6-9	41	38	71	>10 min	15	Soluble	Insoluble	SL	Penetrant	Herbicides
Ethomeen® T/25	Liquid	Tallow amine ethoxylate 15	100%	1%	9-11	0.03	39	71	>10 min	14	Soluble	Partly soluble	SL	Penetrant	IPA Glyphosate 360, Sulfonylureas
Ethomeen® HT/60	Solid	Tallow amine ethoxylate 50	100%	1%	9-11	NA	47	71	>10 min	14	Soluble	Insoluble	WDG	Penetrant	NH4 Glyphosate, dry formulation
Ethylan® 995	Liquid	Fatty alcohol alkoxylate	100%	1%	5-6	>50	31	41	51 sec	1	Dispersible	Soluble	SC, SE	Penetrant	Fungicides, reduce drift
DISPERSANTS															
Agrilan® 1015	Liquid	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® 1028	Liquid	Phosphate ester	100%	1%	2-3	0.54	25	36	45 sec	NA	Dispersible	Insoluble	SC, SE, SL	Dispersant, compatibilizer	High electrolyte and fertilizer formulations
Agrilan® 755	Liquid	Polyacrylate copolymer	30%	19%	3.5-5	NA	NA	NA	>10 min	NA	Soluble	Dispersible	SC, SE, OD	Dispersant, emulsifier, stabiliser	High performance SC stabiliser
Agrilan® 788	Liquid	Polyacrylate copolymer	40%		8-10	NA	NA	NA	>5 min	NA	Soluble	Dispersible	SC	Dispersant, stabiliser	White, cost-effective
Agrilan® 789 Dry	White powder	Polyacrylate copolymer	95%	5%	7-8	3.0	42	92	>5 min	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, stabiliser	White, hard water tolerant, low foam
Ethylan® NS-500LQ	Viscous liquid	Alcohol block copolymer	100%	0.2%	6.5-7.5	0.2	36	62	163 sec	20	Soluble	Insoluble	SC, SE	Dispersant, emulsifier, wetter	Versatile, standard co-dispersant for SC with Morwet D-425 Powder
Morwet® D-425 Powder	Brown powder	Naphthalene sulphonate condensate	88%	4%	7.5-10	>25	60	85	>5 min	NA	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	NA	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	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, milling aid	Premium, hard water tolerant
WETTING AGENTS															
Adsee™ 900	Liquid	Fatty alcohol ethoxylate	90%	10%	5-7	1.0	26	41	5 sec	6	Soluble	Dispersible	SC, SL, TM	Wetter, penetrant	Fungicides, Sulfonylureas, hydrophobic actives
Morwet® EFW Powder	Brown powder	Naphthalene sulphonate blend	95%	2%	7.5-10	6.0	32	65	17 sec	14	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	12	Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Low foam
EMULSIFIERS															
Berol® 829	Liquid	Castor oil ethoxylate 20	100%	1%	5.5-7.5	0.11	40	72	>10 min	2	Dispersible	Soluble	EC, EW, ME	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	7	Soluble	Soluble	EC, EW, ME	Emulsifier	Combine with anionic emulsifier
Ethylan® TD 1407E	Liquid	Fatty alcohol ethoxylate	75%	25%	6-8.5	0.11	29	46	16 sec	7	Soluble	Dispersible	EW, ME, SE	Emulsifier	Wetter, emulsifier
Ethylan® NS-500LQ	Viscous liquid	Alcohol block copolymer	100%	0.2%	6.5-7.5	0.2	36	62	163 sec	20	Soluble	Insoluble	EC, EW	Emulsifier, stabiliser	Aromatic and Armid DM solvents, spontaneity enhancer
EMULSIFIER BLENDS															
Berol® 9927	Liquid/paste	Nonionic/anionic blend	100%	0.5%	5-7	NA	30	44	10 sec	12	Soluble	Soluble	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. Guide recipes available upon request
Berol® 9960	Paste	Nonionic/anionic blend	100%	0.5%	5-7	NA	31	49	21 sec	11	Soluble	Dispersible	EC	Emulsifier blend	
Berol® 9968	Liquid	Nonionic/anionic blend	100%	0.5%	5-7	NA	28	37	8 sec	13	Dispersible	Soluble	EC	Emulsifier blend	
Berol® 9969	Paste	Nonionic/anionic blend	100%	0.5%	5-7	NA	29	40	13 sec	13	Soluble	Dispersible	EC,	Emulsifier blend	
Sponto® EC-452	Liquid	Nonionic/anionic blend	100%	0.5%	5-7	NA	29	42	13 sec	15	Dispersible	Dispersible	EC	Emulsifier blend	Versatile emulsifier- phenoxyes, dinitroanilines, MSO
SOLVENTS and OTHERS															
Adsee™ ST4	Liquid	Maltodextrin/vinylpyrrolidone polymer	24%	76%	4-6	NA	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	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	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	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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Nouryon

Nouryon is a global, specialty chemicals leader. Markets and consumers worldwide rely on our essential solutions to manufacture everyday products, such as personal care, cleaning goods, paints and coatings, agriculture and food, pharmaceuticals, and building products. Furthermore, the dedication of more than 7,900 employees with a shared commitment to our customers, business growth, safety, sustainability and innovation has resulted in a consistently strong financial performance. We operate in over 80 countries around the world with a portfolio of industry-leading brands. Visit our website and follow us @Nouryon and on LinkedIn.

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