



Ask us for your solutions



Agricultural solutions – product portfolio
Asia

Nouryon



We are Nouryon

Nouryon is a global specialty chemicals leader. We produce essential solutions that our customers use to manufacture everyday products needed for attractive and high-growth end-markets. Our attention to societal trends, and our ability to translate these into business opportunities, alongside our dedication to customers, have earned us a place among the leading companies in our industry in terms of safety, sustainability, and innovation. This has also consistently resulted in strong financial performance and business growth. We forge and foster long-term customer partnerships and operate in more than 80 countries around the world. Our portfolio of industry leading brands comprises Nouryon’s solutions that play an essential role in the daily lives of people across the world.

- **+8,000** employees worldwide
- Operating in over **80** countries
- **14** innovation centers worldwide
- **74%** of our R&D product pipeline focused on solutions with sustainability benefits
- **\$5.1 B** revenue in 2025

The right partner with the right solutions for your agribusiness needs

Nouryon strives to be our customers’ first choice for essential agriculture and food science solutions. We make significant investments in research and development, and we never stop searching for new and innovative solutions that are effective and more sustainable. Nouryon also offers international production and logistics capabilities to ensure a consistent and reliable supply of the agriculture and food solutions that customers and partners depend on daily.

-  **Annually investing** in Research and Development (R&D) and innovation
-  **16 production facilities** across 6 countries on 4 continents for international supply of agriculture and food solutions
-  **Ongoing investments** in production facilities to scale capacity to meet evolving customer needs
-  A **network of third parties** to better manage volatility in the global supply chain
-  Awarded the international “**Gold**” sustainability rating by **EcoVadis** (top 5% in the world)

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



¹⁾ 1% in water ²⁾ Draves test ³⁾ Griffin/Davis *	GENERAL CHARACTERISTICS										SOLUBILITY		FUNCTIONALITY & USE			EPA (explanation see next page)	
	Physical form (20°C)	Description	Active content	Water content	pH ¹⁾	CMC g/l	Surface tension mN/m2	Contact angle	Wetting power ²⁾ 1g/l	HLB ³⁾	Water	Veg oil	Application area	Function	Prime use		
																REACH	
ADJUVANTS																	
Adsee™ 800	Liquid	Fatty alcohol ethoxylate	100%	≤1%	5-8	1.6	30	51	15 sec	NA	Soluble	Soluble	TM	Penetrant, wetter	Fungicides, Sulfonylureas, hydrophobic actives	Y	910, 930
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	Y	910, 930
Adsee™ 907	Liquid	Tallow amine ethoxylate blend	96%	≤5%	9-11.5	0.062	39.5	71	>10 min	NA	Soluble	Insoluble	SL	Penetrant	Classic Glyphosate adjuvant	N	920
Adsee™ 1629	Liquid	Cetyl trimethyl ammonium chloride	29%	70%	6-9		34			21.2	Soluble		SL	Penetrant, thickener with Adsee™ C-70A	Glufosinate, Glyphosate, 2,4-D, Paraquat	N	920
Adsee™ AB 600	Liquid	Tallow alkoxylated amine	100%	≤1%	6-9	0.01	37	66	46 sec	NA	Soluble	Dispersible	TM	Penetrant, retention, spreading	Multipurpose tank mix adjuvant	N	N
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	Strong humectant, suitable for Glyphosate, Glufosinate and fungicides	Y	N
Adsee™ C80W	Liquid	Cocoamine propyl amide	87%	12-15%	9-10	0.02	27	41	5 min	22.9	Dispersible	Dispersible	SL, WDG	Penetrant, compatibilizer	K Glyphosate 540, herbicide mixtures	Y	920
Adsee™ C-70A	Liquid	Cocoamine propyl amide	30%	70%	6.5-8.5	0.1	33	53	>5 min	22.9	Soluble	Insoluble	SL	Penetrant, compatibilizer	Robust adjuvant for SL systems. Suitable for multiple salts and loadings	N	920
Adsee™ C-70S	Liquid	Cocoamine propyl amide	30%	70%	6.5-8.5	0.014	30	55	>5 min	22.9	Soluble	Insoluble	SL	Penetrant, thickener with Adsee™ 1629	Adjuvant used together with Adsee™ C-70A / Adsee 1629 as viscosity builder	N	N
Ethomeen® C/15	Liquid	Coco amine ethoxylate	100%	≤1%	11	0.04	29	47	40 sec	13	Soluble	Soluble	SL	Penetrant	Glyphosate in general	Y	920, 930, 960
Ethylan® 995	Liquid	Fatty alcohol alkoxylate	100%	≤1%	5-6	>50	31	41	51 sec	NA	Dispersible	Soluble	SC, SE	Penetrant	Fungicides, reduce drift	Y	N
DISPERSANTS																	
Agrilan® 1015	Liquid	Phosphate ester	50%	25%	5.5-6.2	0.068	32	42	17 sec	NA	Soluble	Insoluble	EW, FC, SC, SE	Dispersant, emulsifier, wetter	Dispersant for aqueous formulations	Y	910, 930
Agrilan® 388	Amber liquid	Polyacrylate copolymer	30%	70%	7-8	NA	NA	NA	NA	NA	Soluble		SC, SE, OD	Dispersant	White, neutral pH	N	NA
Agrilan® 700 Dry	White powder	Polyacrylate copolymer	95%	≤5%	7-8	NA	NA	NA	>5 min	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, stabiliser	White, suitable for hydrophilic actives and inorganics	N	960
Agrilan® 755	Liquid	Polyacrylate copolymer	31-35%	19%	3.5-5	NA	NA	NA	>10 min	NA	Soluble	Dispersible	SC, SE, OD	Dispersant, emulsifier, stabiliser	High performance SC stabiliser	Y	910, 930
Agrilan® 785 Dry	White powder	Polyacrylate copolymer	≥95%	≤5%	7-8.5	>25	60	83	>5 min	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, milling aid	White, universal	N	NA
Agrilan® 788	Liquid	Polyacrylate copolymer	38-42%		8-10	NA	NA	NA	>5 min	NA	Soluble	Dispersible	SC	Dispersant, stabiliser	White, cost-effective	Y	960
Agrilan® 789 Dry	White powder	Polyacrylate copolymer	≥95%	≤5%	7-9	3	42	92	>5 min	NA	Soluble	Dispersible	SC, WDG, WSG, WP	Dispersant, stabiliser	White, cost-effective	N	960
Agrilan® 855	Liquid	Modified acrylic co-polymer	31-35%	50%	6-8	0.02	47.85	NA	NA	NA	Soluble	Insoluble	SC, SE, WDG	Dispersant, milling aid	Powerful and flexible dispersant	Y	910, 930
Ethylan® NS-500LQ	Viscous liquid	Alcohol block copolymer	100%	<0.5%	6-8	0.2	36	62	163 sec	NA	Soluble	Insoluble	SC, SE	Dispersant, emulsifier, wetter	Versatile, standard co-dispersant for SC with Morwet® D-425 Powder	Y	960
Morwet® D-360 Powder	Brown powder	Naphthalene sulphonate blend	90%	1-3%	7.5-10	NA	54	NA	>600 sec	NA	Soluble	Insoluble	SC, WP, WDG	Dispersant, emulsifier, wetter	Optimised blend composed of alkyl naphthalene sulfonate condensate and lignosulfonate	Y	910, 930
Morwet® D-425 Powder	Brown powder	Naphthalene sulphonate condensate	≥87%	≤4%	7.5-10	>25	60	85	>5 min	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, milling aid	Robust, universal, reliable performance	Y	910
Morwet® D-450 Powder	Brown powder	Naphthalene sulphonate blend	≥98%	≤2%	7.5-10		42		25 sec	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, wetting, milling aid	Combination for improved granule breakdown	Y	910
Morwet® D-500 Powder	Brown powder	Naphthalene sulphonate blend	≥98%	≤2%	7.5-10	>25	43		>5 min	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, wetting, milling aid	Complete robust solution	Y	910

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

** limited to 30% in the pesticide formulation

EC = Emulsifiable concentrate, EW = Emulsion, oil in water, FS = Flowable conc. for seed treatment, G = Granulation, 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

1) 1% in water 2) Draves test 3) Griffin/Davis *	GENERAL CHARACTERISTICS										SOLUBILITY		FUNCTIONALITY & USE						EPA (explanation see below)
	Physical form (20°C)	Description	Active content	Water content	pH ¹⁾	CMC g/l	Surface tension mN/m2	Contact angle	Wetting power ²⁾ 1g/l	HLB ³⁾	Water	Veg oil	Application area	Function	Prime use	REACH			
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	Versatile, cost effective, use with Agrilan® 855	N	N		
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	Y	910, 930		
Berol® 790A	White powder	Alkyl sulfonate	≥93%	≤3%	11.5-13.5	0.0731	32	67	25 sec	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Multipurpose, White wetter	N	N		
Ethylan® TD-60	Liquid	Fatty alcohol ethoxylate	98%	0.2%	6-8	0.04	27	33	13 sec	11.4	Soluble	Insoluble	SC, SL, TM	Wetter, penetrant	Multipurpose	N	910, 930		
Lankropol® KPH70	Liquid	Diocetylsulfosuccinate in mpg/water	70%	11%	5-8	1.6	34	35	4 sec	NA	Opaque sol	Insoluble	EC, EW, ME	Wetter	Extra fast, no colour	Y	910, 930		
Morwet® 3028	Brown powder	Naphthalene sulphonate blend	≥95%	≤2%	7.5-10	1.5	36	64	20 sec	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Excellent wetter, assist granulation breakdown in high concentration system, lighter color	Y	910, 930		
Morwet® EFW Powder	Brown powder	Naphthalene sulphonate blend	≥95%	≤2%	7.5-10	6.0	32	65	17 sec	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Extra fast wetting, use with Morwet® D-425 Powder	Y	910		
Morwet® IP Powder	Brown powder	Naphthalene sulphonate condensate	≥75%	≤2.5%	7.5-10	7.7	50	87	>5 min	NA	Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Low foam	Y	910, 930		
EMULSIFIERS																			
Agrilan® AEC145	Liquid/paste	TSP-ethoxylate 15 EO	100%	≤0.5%	6-7	0.015	41	63	6 min	NA	Soluble	Soluble	EW, ME	Emulsifier	Combine with Lankropol® KPH70	Y	910, 920		
Berol® 829	Liquid	Castor oil ethoxylate 20	100%	≤1%	5.5-7.5	0.11	40	72	>10 min	10.9	Dispersible	Soluble	EC, EW, ME, OD	Emulsifier	Combine with anionic emulsifier	Y	960		
Berol® 904	Liquid/paste	Castor oil ethoxylate 40	100%	≤0.3%	6-7.5	0.29	41	73	>10 min	13.8	Soluble	Soluble	EC, EW, ME	Emulsifier	Combine with anionic emulsifier	Y	960		
Berol® 9927	Liquid/paste	Nonionic/anionic blend	100%	≤0.5%	5-7	NA	30	44	10 sec	NA	Soluble	Soluble	EC	Emulsifier blend	Emulsifiers matched pair developed for EC Suitable for ECs in aromatic solvents Guide recipes available upon request	N	N		
Berol® 9960	Paste	Nonionic/anionic blend	100%	≤0.5%	6-7	NA	31	49	21 sec	NA	Soluble	Dispersible	EC	Emulsifier blend		N	910, 930		
Berol® 9968	Liquid	Nonionic/anionic blend	100%	≤0.5%	7	NA	28	37	8 sec	NA	Dispersible	Soluble	EC	Emulsifier blend		N	910, 930		
Berol® 9969	Paste	Nonionic/anionic blend	100%	≤0.5%	7-8	NA	29	40	13 sec	NA	Soluble	Insoluble	EC	Emulsifier blend		N	N		
Emulpon™ CO-36	Liquid	Castor oil ethoxylate 36	100%	≤0.5%	6-8		39	80	>10 min	13.4	Soluble	Soluble	EC, EW, ME	Emulsifier	Combine with anionic emulsifier	Y	960		
Emulpon™ CO-40	Liquid	Castor oil ethoxylate 40	100%	≤0.5%	6-7.5	0.29	41	73	>10 min	13.8	Soluble	Soluble	EC, EW, ME	Emulsifier	Combine with anionic emulsifier	Y	960		
Ethylan® 324	Paste	Alcohol alkoxylate	100%	0.2%	6-8	0.03	36	56	>10 min	NA	Soluble	Soluble	EC, EW, ME	Emulsifier, stabiliser	Aromatic and Armid™ DM solvents, spontaneity enhancer	N	960		
Ethylan® 954 LQ	Liquid	Alcohol alkoxylate	100%	0.3%	5-7	0.005	38	65	>5 min	NA	Soluble	Soluble	EC	Emulsifier, penetrant	Aromatic, Armid™ DM solvents	N	910, 930		
Ethylan® NS-500LQ	Viscous liquid	Alcohol block copolymer	100%	≤0.5%	6-8	0.2	36	62	163 sec	NA	Soluble	Insoluble	EC, EW	Emulsifier, stabiliser	Aromatic and Armid™ DM solvents, spontaneity enhancer	Y	960		
Ethylan® SP 25	Liquid/paste	Styrenated phenol ethoxylate	100%	≤0.5%	6-7	NA	NA	NA	NA		Soluble	Soluble	EC, EW, ME, OD, SE	Emulsifier	Use with anionic emulsifiers	N	NA		
Phospholan® PE169	Liquid	C13- ethoxylate Phosphate ester, acid	100%	<1%	2-3	0.02	28 (pH=6)	37 (pH=6)	23 (pH=6)	NA	Dispersible	Soluble	ME, OD, SC, SE	Emulsifier, dispersant	Water soluble when neutralised, form ME with Agrilan® AEC145	Y	N		
Witconate® P-1220EH	Liquid	Branched DDBS, Ca salt	60%	≤0.8%	5-7	NA	NA	NA	NA	NA	Dispersible	Soluble	EC, EW, ME	Emulsifier	Combine with Ethylan® 324 & Ethylan® NS-500LQ	Y	910, 930		
GREEN SOLVENTS and OTHERS																			
Agrilan® 1015	Liquid	Phosphate ester	50%	25%	5.5-6.2	0.068	32	42	17 sec	NA	Soluble	Insoluble	EW, FC, SC, SE	Dispersant, emulsifier, wetter	Multifunctional formulation aid	Y	910, 930		
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	Y	910, 930 **		
Armid® DM10	Liquid	C10 dimethyl amide	100%	<0.3%	4-7	NA	NA	NA	NA	NA	Insoluble	Soluble	EC, EW	Oil soluble	Replace NMP and aromatic solvents	Y	920		
Armid® DM810	Liquid	C8–10 dimethyl amide	100%	≤0.3%	NA	NA	NA	NA	NA	NA	Dispersible	Soluble	EC, EW	Oil soluble	Replace NMP and aromatic solvents	Y	920		
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	Y	N		
Polymer 2500	Liquid	Low-molecular weight polymer	48-51%	<2%	2-3.5	NA	NA	NA	NA	NA	Soluble	Insoluble	GR	Binder	Binder for sand and pan granulation process	N	960		

EPA notes:
40CFR180.910: Inert ingredients used pre- and post-harvest; exemptions from the requirement of a tolerance.
40CFR180.920: Inert ingredients used pre-harvest; exemptions from the requirement of a tolerance.
40CFR180.930: Inert ingredients applied to animals; exemptions from the requirement of a tolerance.
40CFR180.960: Polymers; exemptions from the requirement of a tolerance.

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Contact us directly for detailed product information and sample request
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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 approximately 8,200 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.

All information concerning our products and/or all suggestions for handling and use contained herein (including formulation and toxicity information) are offered in good faith and are believed to be reliable. However, Nouryon makes no warranty express or implied (i) as to the accuracy or sufficiency of such information and/or suggestions, (ii) as to any product's merchantability or fitness for a particular use or (iii) that any suggested use (including use in any formulation) will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. The user must determine for itself by preliminary tests or otherwise the suitability of any product and of any information contained herein (including but not limited to formulation and toxicity information) for the user's purpose. The safety of any formulations described herein has not been established. The suitability and safety of a formulation should be confirmed in all respects by the user prior to use. The information contained herein supersedes all previously issued bulletins on the subject matter covered.

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