

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® 1015 | Liquid | Phosphate ester | 50% | 25% | 5.5-6.2 | 68 | 32 | 42 | 17 sec | | Soluble | Insoluble | EW, FC, SC, SE | Dispersant, emulsifier, wetter | Dispersant for aqueous formulations |
| 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-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- 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 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 alkoxyates).

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