

PRODUCT LIST

Chemistry, Bonds with Passion



Established in mid-2011, PT STARIS CHEMICALS has set up full strength to capture opportunities and creating needs as a specialty chemicals distributor and importer.

With strong, experienced and dedicated team, PT STARIS CHEMICALS perpetually keeps providing the best to support the company growth, gaining trust from the principals and offering adding value products/services to the customers.

As an integral part of Aik Moh Paints and Chemicals Pte Ltd whom is a leading regional chemicals distributor and services company, PT STARIS CHEMICALS vibrantly strives to complete her product lines, market/industry coverage and create more value to be the partner of growth for the both customers and principals.

AGROCHEMICALS

Adjuvants

There are two broad categories of adjuvants: Activator adjuvant – modify biological effect of herbicide being applied e.g spreader/wetter-spreader, penetrants, stickers and humectant and Utility adjuvants – modify physical characteristics of spray mixture e.g compatibility agents, wetting agents, foam markers, foam control agents, etc. Adjuvants for agro-application are any substances in a pesticide formulation or added to the spray tank to modify pesticide activity or application characteristics.

Agricultural spray adjuvants are used to enhance the effectiveness of pesticides such as herbicides, insecticides, fungicides and other agents that control or eliminate unwanted weeds, pests and disease. As with medical adjuvants, agricultural spray adjuvants are not themselves active in controlling.

	Manufacturer	Product Name	Active Ingredients	Crops	Characteristics
ADJUVANTS	AkzoNobel	ADSEE™ C-70A	Glyphosate	Multi crop- mainly oil palm plantation	High viscosity, enhance active performance, SL formulation
	AkzoNobel	ADSEE™ C-80W	Glyphosate	Multi crop- mainly oil palm plantation	High load, increase uptake, enhanced bio-activity, SL formulation
	AkzoNobel	ADSEE™ 1629	Herbicide	Multi crop- mainly oil palm plantation	Excellent compatibility, versatile & universal for multiple actives, electrolyte tolerance, SL formulation
	AkzoNobel	ADSEE™ 1250 HV	Paraquat	Multi crop- mainly oil palm plantation	High active content, efficient low dosage formulation, binary adjuvancy: penetration & rainfastness, SL formulation
	AkzoNobel	SOBEL P1216	Paraquat	Multi crop- mainly oil palm plantation	Cost effective paraquat, tolerance to low grade active, penetrant and viscose, SL formulation
	AkzoNobel	ADSEE™ C-70S	Herbicide	Multi crop- mainly oil palm plantation	Penetrant function & compatibilizer – match pairs with Adsee 1629, SL formulation
	AkzoNobel	ADSEE™ 611	Multi-Functional Adjuvant	Rice, all pesticides	Tank mix, penetrant
	AkzoNobel	ADSEE™ 900	Multi-Functional Adjuvant	Multi crop	Tank mix, penetrant and wetter
	AkzoNobel	ADSEE™ 907	Multi-Functional Adjuvant	Multi crop	Penetrant, rainfastness, tallow amine
	AkzoNobel	ADSEE™ AB650	Multi-Functional Adjuvant	Multi crop	Tank mix, penetrant, retention, spreading, also use: SL, SC, SE formulation
	AkzoNobel	ADSEE™ AB615	Multi-Functional Adjuvant	Multi crop	Tank mix, penetrant, retention
	AkzoNobel	ETHOMEEN™ T25	Multi-Functional Adjuvant	Multi crop	100% tallow amine, penetrant, rainfastness, SL formulation
	AkzoNobel	ETHYLAN™ 54LQ	Multi-Functional Adjuvant	Multi crop	Emulsifier, penetrant, aromatic, SL formulation

PT Staris Chemicals (Part of Aik Moh Group of Companies)

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SOLVENT, CO-SOLVENT & SOLUBILIZER

Solvent is a liquid in which substances (or solutes) are dissolved forming a solution. In a solution, the solvent is the one that is usually present in greater amount than the solute.

Another function as a co-solvent: a substance that is added to a mixture of two or more separate substances that are typically immiscible, in order to make them mixable. Co-solvents are added to increase the solvent power of the primary substance in the mixture. The effectiveness of a co-solvent is determined by its solubilization power, it work best in the presence of another solvent that, in conjunction, enhances the dissolution of a solute.

With a good performance as solubilizer: an agent that increases the solubility of a substance, especially in Emulsifiable Concentrate (EC) formulation application.

SOLVENT, CO-SOLVENT, SOLUBILISER	Manufacturer	Product Name	Characteristics
	AkzoNobel	ARMID™ 810	Replace N-methylpyrrolidone & alternatives to aromatic solvents like Solvesso 150 biodegradable, efficient in variety of active ingredient in EC formulation
	AkzoNobel	ARMID™ DM10	Replace N-methylpyrrolidone & alternatives to aromatic solvents like Solvesso 150, biodegradable, efficient in variety of active ingredient in EC formulation
	AkzoNobel	ARMID™ FMPC	Replace N-methylpyrrolidone & aromatic solvents, biodegradable, efficient in variety of active ingredient in EC formulation, soluble in most solvents.

DISPERSANT, WETTING AGENT, STABILIZER & EMULSIFIER

Good wetting, dispersing, emulsifier and suspension performance are key requirements of formulations, upon to its stability.

Dispersants are used to uniformly suspend active ingredients, creating a well-dispersed formulation allows for consistent and uniform field application of the active ingredients.

Emulcifiers are molecules with one water-loving (hydrophilic) and one oil-loving (hydrophobic) end. They make it possible for water and oil to become finely dispersed in each other, creating a stable, homogenous, smooth emulsion. While green solvents are gaining market share, emulsifiable concentrates (EC) have reinstated their position as popular agrochemical formulations. Their simple manufacturing process and relatively low cost remains important benefits. In addition, ECs generally have a better biological activity compared to dispersions.

Aromatic solvents continue to be popular solvents in several regions around the world because of their high solvency power and low cost. ECs based on these types of solvent require different emulsifier systems compared to the formulations based on green solvents.

Wetting agents, increasing the spreading and penetrating properties of a liquid by lowering its surface tension—that is, the tendency of its molecules to adhere to each other as a compact liquid solution in formulation.

Stabilizer, which helps to preserve its structure from any degradation and separation, protect the formulation against the un-stable variable, e.g heat, light, weather, physical distruction and others.

DISPERSANT, WETTING AGENT, STABILIZER, EMULSIFIER	Manufacturer	Product Name	Active Ingredients	Characteristics
	AkzoNobel	MORWET™ D-500	Anionic	Dispersant, wetting, milling aid, robust solution, use: SC, WP, WDG, WSP formulation
	AkzoNobel	MORWET™ D-400	Anionic	Dispersant, milling aid, cost effective alternative for Morwet D425 powder, use: SC, WP, WDG, WSP formulation
	AkzoNobel	MORWET™ D-425	Anionic	Dispersant, milling aid, robust, universal, stable performance, use: SC, WP, WDG, WSP formulation
	AkzoNobel	MORWET™ EFW	Anionic	Extra fast wetting, use with Morwet D425 WP, WDG Formulation

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AkzoNobel	ETHYLAN™ NS500LQ	Nonionic	Emulsifier, stabiliser, anti-crystallize, aromatic & aramid DM solvents, spontaneity enhancer, use: EC, SC, EW formulation
AkzoNobel	ETHYLAN™ 992	Nonionic	Emulsifier, aromatic solvents, strong for Dimethoate EC formulation
AkzoNobel	ETHYLAN™ 954	Nonionic	Emulsifier, penetrant, aromatic solvents
AkzoNobel	ETHYLAN™ TD60	Nonionic	Emulsifier, excellent blooming with Ethylan 992 for Dimethoate, EC formulation
AkzoNobel	AGRILAN™ 755	Polymeric	Dispersant, emulsifier, stabiliser, High performance SC stabiliser, use: SC, SE, OD formulation
AkzoNobel	AGRILAN™ 788	Polymeric	Dispersant, stabiliser White, cost-effective, use: SC formulation
AkzoNobel	AGRILAN™ 789 Dry	Polymeric	Dispersant, stabiliser, White, cost-effective, use: WDG, WSP, WP formulation
AkzoNobel	AGRILAN™ AEC 145	Polymeric	Emulsifier Combine with Lankropol KPH70, use: ME, EW Formulation
AkzoNobel	BEROL™ 790A	Anionic / Nonionic – Performance Blends	Extra wetting, use with Morwet D425 WP, WDG Formulation
AkzoNobel	BEROL™ 904	Anionic / Nonionic – Performance Blends	Emulsifier Combine with anionic emulsifier, use: EC, EW, ME Formulation
AkzoNobel	BEROL™ 9927	Anionic / Nonionic – Performance Blends	Emulsifiers blend, 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, for EC formulation
AkzoNobel	BEROL™ 9960	Anionic / Nonionic – Performance Blends	
AkzoNobel	BEROL™ 9968	Anionic / Nonionic – Performance Blends	
AkzoNobel	BEROL™ 9969	Anionic / Nonionic – Performance Blends	
AkzoNobel	BEROL™ 9969	Anionic / Nonionic – Performance Blends	
AkzoNobel	SPONTO™ 500T	Anionic / Nonionic – Performance Blends	Emulsifiers blend, aromatics solvents for EC formulation, in pairs. Universal to various active ingredients.
AkzoNobel	SPONTO™ 300T	Anionic / Nonionic – Performance Blends	
AkzoNobel	WITCONATE P-1220EH	Sulfates, Sulfonates	Emulsifier Combine with anionic emulsifier, use: EC Formulation
AkzoNobel	GT™ 2624	Alkoxyated Alcohol	Fastest wetting agent, suitable for large inorganic pigment to reduce milling time
Local Manufacturer	SC-20A	Anti-Caking	Adsorbing excess moisture, or by coating particles, water repellent to prevent formation of lumps (caking).
Momentive	SAG 622	Anti-foam	Reduces and hinders the formation of foam in formulation

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