



We Bridge  
Chemistries....

## Foreword

The brochure in your hand gives you an overview of K-TECH's sales range for Leather Finishing Additives and Auxiliaries.

K-TECH's products have been displayed here with their respective trade names & trade marks with grades, type technical function and applications.

K-TECH's sales range of speciality additives & speciality chemicals are showcasing some hundreds of well-proven and established product brands based on concepts and ideas nurtured over 25 years in research, development and applications in discerning fields of chemical technologies.

K-TECH's speciality additives & speciality chemicals are carefully designed, produced, validated and recommended to industry to help solve their technical problems and position the user, cut above the class in a state of art situation in their respective product line and businesses.

K-TECH's speciality additives & speciality chemicals are being offered to industries like Paints & Coatings, Printing Inks, Pigments, Polymer (plastics & Rubbers), Textile, Leather, Pulp & Paper, Constructions, Oilfields, Sugar, Ceramics and other Process Chemical Industries worldwide.

K-TECH's speciality additives & speciality chemicals business organization have been structured into industry oriented business group to meet challenges of future.

### Speciality Additives Division Business Groups

- Speciality Paints & Coatings Additives
- Speciality Printing Ink Additives
- Speciality Polymer & Rubber Additives
- Speciality Allied Additives

### Speciality Chemicals Division Business Groups

- Speciality Textile Chemicals
- Speciality Leather Finishing Additives
- Speciality Paper & Pulp Chemicals
- Speciality Process & Functional Chemicals
- Speciality Pigment Synergist

*Precisely & Carefully Standardized quality products backed up with dependable, proven and timely technical services, are the integral part of K-TECH's business philosophy.*

For more detail like samples, product technical data sheet, material safety data sheets, application help and commercial enquires ( price, packing, lead time, terms & conditions) customers are requested to contact us at our nearest Sales Agent, Regional Technical Advisors, Technical Service Center or Marketing Offices.



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## **PAPERAUX™** - Series

*Speciality Paper Chemicals for Paper & Pulp Industry*

### **De-Inking Agents**

Lots of printed paper contain variety of dyes & pigmented coatings and these impose difficulty when paper is recycled as they cause undesired colouration to pulp.

De - inking agents are used to remove undesired dye / pigmented coatings from fibre and produce clear pulp.

Product Name & Grade	Types	Application
<b>PAPERAUX™ K- 8000</b>	Polymeric surfactant	As de - inking agent in pulp/ paper for ink solubilization, emulsification for improving paper brightness, lower dosages, economical to use.
<b>PAPERAUX™ K- 8005</b>	Polymeric surfactant	As de - inking agent in pulp/ paper for easy ink removal, better dispersion, colour brilliance. No adverse effect, economical dosage.
<b>PAPERAUX™ K- 8020</b>	Special modified polymeric surfactant	As de - inking agent for paper & pulp reprocesses removal action; biodegradable, clear & brilliant paper, deflocculation & floatation, ecofriendly & economical.
<b>PAPERAUX™ K-8040</b>	Special modified polymeric surfactant	As de - inking agent for all type of dyes, pigmented coatings, offset & liquid inks, removal by floatation bright application Biodegradable & Eco-friendly.
<b>PAPERAUX™ K-8050</b>	Special modified polymeric surfactant	As de - inking agent to remove Black ink in regenerated news print for quick removal, floatation & eco - friendly.
<b>PAPERAUX™ K-8060</b>	Phosphate ester surfactant	As de - inking agent for premium quality works for removal of dye / pigmented inks, clarity brilliance, smooth effect, No printability problem.
<b>PAPERAUX™ K-8070</b>	Phosphate ester surfactant	As de - inking agent for premium quality works for removal of dye / pigmented inks, clarity, brilliance, smooth effect, No printability problem, Biodegradable & Eco - friendly.





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### *Slime Control Agents*

Undesired odour imparting bacteria like E-Coli & Pseudomonas, develop in paper, pulp processing due to microbial spoilage of biodegradable substances like rosin, casein, starch, PVA & spores containing substances like fillers & gums. Slime control agents controls micro-organisms development & reduce slime menace.

Product Name & Grade	Types	Application
<b>PAPERAUX™ K-8100</b>	Quarternary ammonium compound preparation	For effective slime control in paper & pulp reprocessing & processing. Eco-friendly & Biodegradable.
<b>PAPERAUX™ K-8108</b>	Quarternary ammonium compound preparation	For effective slime control in paper & pulp reprocessing & processing. Eco-friendly & Biodegradable. No adverse effect on printability.
<b>PAPERAUX™ K-8113</b>	Carbamate based preparation	For effective slime control in paper & pulp reprocessing & processing, Smooth operations, Eco-friendly & Biodegradable, No adverse effect on printability, No adverse effect on aquatic life.
<b>PAPERAUX™ K-8117</b>	Iso-thiozalone based preparation	For effective slime control in paper & pulp reprocessing & processing , Smooth operations, Eco-friendly & Biodegradable, No adverse effect on printability, No adverse effect on aquatic life, Food packaging grade papers.
<b>PAPERAUX™ K-8126</b>	Preparation based on halogenated phenols	For effective slime control in paper & pulp reprocessing & processing, Smooth operations, Eco-friendly & Biodegradable, No adverse effect on printability, on writing papers. No adverse effect on aquatic life, Excellent fungicide.
<b>PAPERAUX™ K-8140</b>	Cetrimide based preparation	For effective slime control in paper & pulp reprocessing & processing, Smooth operations, Eco -friendly & Biodegradable, No adverse effect on printability fibre boards, pulp & cartons. No adverse effect on aquatic life, Excellent bactericide,



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### ***Defoamers & Deareators***

Foams are a major cause of quality rejections & operational problem in paper processing. Microfoams & Macrofoams can be controlled using defoamer & deareator.

Product Name & Grade	Types	Application
<b>PAPERAUX™ K-8203</b>	Non - silicone aqueous emulsion	Defoamer & Deareator for general purpose applications in low cost paper & pulps.
<b>PAPERAUX™ K-8207</b>	Non - silicone aqueous emulsion	Defoamer & Deareator for general purpose applications in low cost paper & pulps, board applications.
<b>PAPERAUX™ K-8230</b>	Non - silicone aqueous emulsion	Defoamer & Deareator for general purpose applications in low cost paper & pulps, board applications.
<b>PAPERAUX™ K-8260</b>	Non - Silicone preparation	For high grade paper coatings printing & writing paper, good quality, No areation & blisters and No craters.
<b>PAPERAUX™ K-8270</b>	Non - silicone preparation	Defoamer for printing paper reprocesses no areation, blisters & foams, Good printing quality, eco friendly & Biodegradable for high end applications.
<b>PAPERAUX™ K-8284</b>	Non - silicone preparation	For higher premium quality pulp, paper preparations, coatings compound, sizing, No re-printability problem, No crater & No areation. Safe non toxic & Biodegradable for high end applications.
<b>PAPERAUX™ K-8290</b>	Silicone defoamer	Extremely effective in lowest possible dosages, destroys foams in paper & pulp applications.





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### ***Wet Strength Improver***

Paper fibre in processing particulars in pulping & beater stage break and this cause loss of fibre strength, quality rejections. Wet strength improvement is necessary in recycling of paper fibre

Product Name & Grade	Types	Application
<b>PAPERAUX™ K-8320</b>	Urea-formaldehyde based polymeric preparation	Improves binding properties, Wet strength & Bursting Strength for quality papers.
<b>PAPERAUX™ K-8324</b>	Urea-formaldehyde based polymeric preparation	Improves binding properties, Bursting Strength & Binds well fibres of paper.
<b>PAPERAUX™ K-8333</b>	Melamine formaldehyde based polymeric preparation	Wet strength improver for paper fibre application all types of paper, pulp & fibre for high end application.
<b>PAPERAUX™ K-8342</b>	Melamine formaldehyde based polymeric preparation	Wet strength improver for paper fibre for high end application, Art papers & Art Cards.

### ***Water Repellents***

Product Name & Grade	Types	Application
<b>PAPERAUX™ K-8405</b>	Special Non C.F.C. emulsion preparation	Improves water repellency of maplitho & cartons by coating compatible with wide variety of finishing agent does not affect printability, Economical in use
<b>PAPERAUX™ K-8410</b>	Special Non C.F.C emulsion preparation	Improves water repellency for all types of paper cartons and non printing paper by coatings does not affect printability, compatible with all types of sizing finishing chemicals, ecofriendly.
<b>PAPERAUX™ K-8423</b>	Sp.Wax.Non C.F.C. emulsion preparation	Improves water repellency of paper, can be included in paper coatings./Sizing Ecofriendly Non toxic, No effect on printability.
<b>PAPERAUX™ K-8450</b>	Sp.Wax.Non C.F.C emulsion preparation	Improves water, dirt & oil repellency of craft papers by coatings/ In Sizing formulation, Ecofriendly, non toxic, No effect on printability.



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### *Pulp flocculants*

Product Name & Grade	Types	Application
<b>PAPERAUX™ K-8500</b>	Acrylic polymeric preparation	Flocculating agents for paper fibres, cartons, crafts and map litho.
<b>PAPERAUX™ K-8540</b>	Acrylic polymeric preparation	Flocculating agents for paper fibres, cartons, crafts and map litho.
<b>PAPERAUX™ K-8563</b>	Imdizoline preparation	Positively charged, Neutralizes negative charge of colloidal fillers Flocculating agents for high endpaper, Art paper and Speciality paper mild cationic.
<b>PAPERAUX™ K-8572</b>	Imdizoline preparation	Positively charged, Neutralizes negative charge of colloidal fillers Flocculating agents for high end paper, Art paper and Speciality paper. mild cationic Anionic detergents can be eliminated.

### *Retention Agents*

Retention agent are effective aid reduce loss of fillers & Colourants in loaded papers

Product Name & Grade	Types	Application
<b>PAPERAUX™ K-8608</b>	Epoxy polymeric preparation Cationic	Additive to improve dyeability; pigment dispersion & retention in paper & pulp, used with dyes & colourants, dye stuff yield increase 0.1- 0.3% on cellulose pulp.
<b>PAPERAUX™ K-8612</b>	Epoxy polymeric preparation Cationic	Additive to improve dye retention, pigment & fillers dispersion retention in fibres structuring dyes & colourants increases dye stuff yeild- ( 0.1-0.2%) on cellulose pulp.
<b>PAPERAUX™ K-8621</b>	Epoxy polymeric preparation Cationic	Additive to improve retention of basic dyes, acid dyes, organic pigments & fillers in paper fibres. Improves dye stuff yield - reduces risk of two side effect.( 0.5-2% on cellulose) pulp.
<b>PAPERAUX™ K-8630</b>	Epoxy polymeric preparation Cationic	Additive to strengthen paper fibre & help dyes, organic pigments & fillers, Calcium Carbonate, China Clay etc. retention Heavily filled & Heavy loaded papers ( 0.5 -2% on cellulose) pulp.





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### *Dispersing Agents*

Wetting & dispersing agents for all types of papers formulation.

Product Name & Grade	Types	Application
<b>PAPERAUX™ K-8702</b>	Non-ionic Surfactant	Wetting & dispersion agent for papers for improving & refining paper formulation, Improves paper formation.
<b>PAPERAUX™ K-8711</b>	Non-ionic Surfactant	Low foaming stable in wide pH range Wetting & dispersion agent for papers for improving & refining paper formulation. 1:10 dilution added to pulper @ 0.2% on cellulosic pulp.
<b>PAPERAUX™ K-8720</b>	Anionic Surfactant	Strong action, Low foaming stable in wide pH range. Wetting & dispersion agent for papers for improving & refining paper formulation for map litho & newsprint Addition in pulper @ 0.1- 0.2% on cellulosic pulp.
<b>PAPERAUX™ K-8738</b>	Anionic Surfactant	Strong action, Low foaming stable in wide pH range. Wetting & dispersion agent for pulpers for improving & refining paper formulation for speciality papers. Addition in pulper @ 0.1- 0.2% on cellulosic pulp.
<b>PAPERAUX™ K-8743</b>	Anionic Surfactant	Strong action, Wetting & dispersion agent for papers for improving & refining paper formulation for Craft paper, Newsprint & Map litho. Art paper , art card Addition to pulper @ 0.2% on cellulosic pulp.

### *Sizing Agents*

Fortified Rosin preparations for all types of paper sizing formulations.

Product Name & Grade	Types	Application
<b>PAPERAUX™ K-8801</b>	Modified rosin preparation	Additive to provide improvement in size coating formulation. Imparts sizes with finish & printability Ecofriendly economic recommended in all types of paper sizing
<b>PAPERAUX™ K-8802</b>	Modified rosin preparation	Additive to impart improvement in paper coating formulation. Imparts sizes with excellent finish & printability eco friendly & economic.



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### *Binding Agents & Wax Emulsifiers*

Product Name & Grade	Types	Application
<b>PAPERAX™ K-8900</b>	PE Wax preparation	Wax emulsion for paper coating formulation to improve feel, finish & water repellency.
<b>PAPERAX™ K-8905</b>	Carnauba Wax preparation	Wax emulsion for paper coating formulation to improve feel, finish & water repellency.