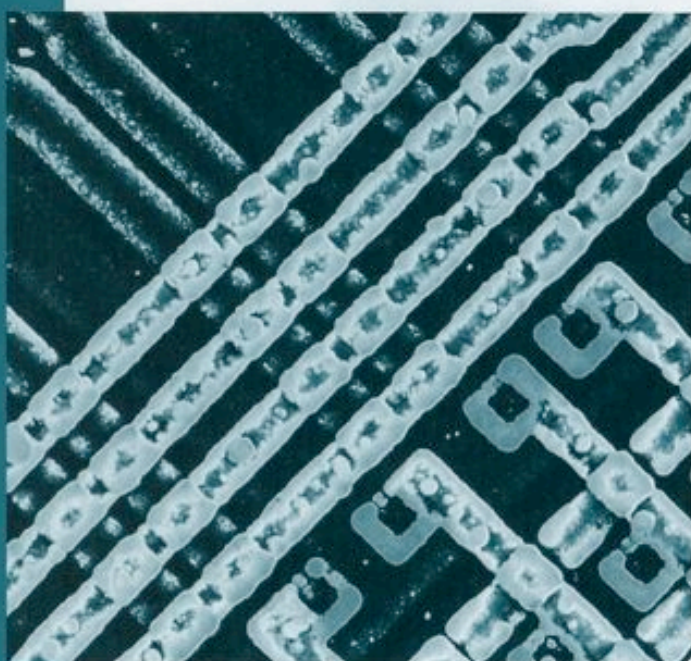


AQUANOX

Precision Cleaning Solutions



KYZEN



Name your contaminant...

Flux residues, machine oils, cutting oils, grease, wax, adhesives, grease pencil, Magic Marker ... No soil or contaminant is out of the ordinary for Kyzen.

Name your cleaning application, your cleaning process...

The Kyzen Aquanox product line consists of aqueous chemistries for cleaning flux residues, greases, oils, and ionic contaminants. The superior solvency, low pH, and

robustness of these products make them suitable for use in a wide range of cleaning processes and applications.

Whatever process or processes you are running, there's a Kyzen Aquanox formulation matched to your procedure: batch immersion, ultrasonics and in-line aqueous spray.

And for whatever cleaning application, there's a Kyzen Aquanox formulation for the job: printed circuit assemblies, surface mount assemblies, stencils and tooling, electrical and electronic components, precision and optical parts or misprinted paste and adhesives.

Aquanox cleaning solvents are based on Kyzen alcohol. A simple organic compound, Kyzen alcohol is environmentally-derived from natural organic material or biomass. Its very low vapor pressure (approx. 0.6mm of Hg at 70°F) and low surface tension (approx. 20 dynes/cm) ensure excellent cleaning and drying capabilities of this product. Aquanox products, like all Kyzen alcohol-based formulations, are easy to use, entirely biodegradable, and completely water soluble and rinsable.

Kyzen's innovative Aquanox, Ionox, Lonox, and Metalnox product lines provide solutions for electronics cleaning, metal and precision parts cleaning, and other specialized cleaning applications in a wide range of high technology industries.

At Kyzen, we think precision cleaning is about process. Cleaning chemistries, cleaning machines, and water treatment, all coming together in an integrated solution.

And we think it's about people. Expert technical support working with you to formulate the best possible solution for your cleaning job.

Our reputation and success are based on selling solutions, not chemicals.

Kyzen Corporation. A solution-driven, process company.



The Aquanox product line of concentrated cleaners is designed to be diluted with water. (Ionox products are designed to be used at full strength.) Aquanox products clean by solvent action of Kyzen alcohol, and are produced with the highest cleaning quality standards available.

Like all Kyzen products, the Aquanox product array is backed by the company's extensive Cleaning Applications & Evaluation Center — and with screen printing, reflow, wave soldering, in-line, and batch-cleaning capabilities, you can evaluate your complete electronic assembly process in our facility and select the Kyzen chemistry that is most effective for your cleaning application.

The Aquanox product line and Kyzen demonstration facilities are augmented and strengthened by our ability to custom-formulate to your specific needs.

Our expert technical support staff will validate and implement a solution for your cleaning problem. And they'll help you accelerate the implementation cycle by testing and getting things right in our Applications Center, before reaching your facility and your machinery.



CLEANING SOLUTIONS

concentrated organic aqueous solvents

Aquanox SSA

A concentrated aqueous alcohol cleaner for removal of resin-based and "no-clean" flux residues, misprinted solder paste and assembly residues from surface mount or through-hole electronic circuit assemblies. Designed for use in aqueous in-line spray machines, dishwasher, and batch cleaners. Works well in concentration range of 20-30%. Buffered formulation for bright solder joints.

Aquanox XJN

A high strength aqueous alcohol cleaner for removal of resin-based and "no-clean" flux residues, misprinted solder paste and assembly residues from surface mount or through-hole electronic circuit assemblies. Designed for use in aqueous in-line spray machines. Works well in concentration range of 20-35%, depending on the process and difficulty of residue and parts being cleaned. Formulated with enhanced buffer agents for bright solder joints, even through multiple cleanings.

Aquanox A4000

A concentrated, high strength cleaning solvent, with mild saponification, for removal of resin-based and "no-clean" flux residues, misprinted solder paste and assembly residues from surface mount or through-hole electronic circuit assemblies. Designed for use in aqueous in-line spray machines, this product has been custom developed for enhanced cleaning of reflowed "no-clean" residues. Works well in concentration range of 20-30%, depending on the process and difficulty of residue and parts being cleaned.



CLEANING AGENTS

cleaning application	contaminants removed	operating concentration	operating temp range	surface tension
concentrated organic aqueous solvents				
Aquanox SSA				
through-hole & surface mount electronics; stencil screen cleaning; general purpose	white gum rosin, "no-clean" flux cleaner; finger oils & other residues	20 - 30%	120 - 160°F	15-25 dynes/cm
Aquanox XJN				
through-hole & surface mount electronics; stencil screen cleaning	white gum rosin, "no-clean" flux cleaner; misprinted solder paste & assembly residues	20 - 35%	120 - 160°F	18-28 dynes/cm
Aquanox A4000				
through-hole & surface mount electronics; stencil screen cleaning	white gum rosin, synthetic resin & "no-clean" flux cleaner	20 - 30%	120 - 160°F	20-30 dynes/cm