

Glass Substrate and Media Cleaning Solutions

Perform superior cleaning and protect glass substrates from undesirable etch

Our hard disk drive (HDD) cleans are designed to be used after slurry polishing. They perform superior cleaning while protecting glass substrates from undesirable etch. The formulation is designed to remove colloidal silica, ceria, slurry additives, suspension agents, organic residues, and inorganic sub-micron particulates left or embedded on glass disks during polishing. Our cleaning solutions significantly reduce surface ion contamination and remove, suspend, and completely disperse contaminants. Cleaners are formulated to be used at ambient temperatures and are exceptionally free-rinsing.



APPLICATIONS

- Optics glass
- Electronics glass
- HDD glass
- Post-CMP clean lines (immersion, brush, spray, ultrasonic, megasonic)

FEATURES & BENEFITS

High performance surfactant technology	Allows high dispersion and free-rinsing
	Suspends and removes difficult-to-clean organic films, organic particulates, and inorganic particulates
	Reduces friction allowing easy use in brush processes
Cleans effectively at ambient temperature	Minimizes dry-down residues
Well buffered cleaning solution	Has high impact at a variety of concentrations (generally 1-10%)

SPECIFICATIONS

Product family	Key features
GCL 129 series	<ul style="list-style-type: none">• Highly alkaline substrate cleaners used in post-polish• Highly efficient surfactant package for wettability• Surfactants compatible with PVA brushes• Effective dispersants to minimize silica redeposition on glass
GCL 31 series	<ul style="list-style-type: none">• Sulfuric-based acidic cleaners used in post-polish• Surfactants compatible with PVA brushes• Additives to solubilize ceria• Low foaming surfactants: applied in megasonic, ultrasonic, and spray• Uniform glass-etch capabilities
GCL P1 series	<ul style="list-style-type: none">• Acidic, two-part cleaner used in post-ID/OD grind and polish• Additives to efficiently digest ceria particles• Surfactants to minimize ceria redeposition• Additives to hold ceria in solution• Low foaming surfactants: applied in megasonic, ultrasonic, and spray• Uniform glass-etch capabilities
GCL 131 series	<ul style="list-style-type: none">• Alkaline media cleaners• High purity chelants to minimize transition metal oxides• Additives to minimize surface roughness• High rinsing surfactant package to enable IPA drying process• Dispersants to minimize glass particle adhesion

FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](https://www.entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

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