

DisCLEAN

CATIONIC OPTICAL SUBSTRATE CLEANER

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DisClean is a cationic surface active agent designed to remove water stains, oxidation products, organic residues and electrostatic contaminants from optical electroforms and substrates. In addition, DisClean lowers the surface charge on nickel electroforms for reduced sticking in injection molding applications.

The DisClean Advantage:

- Effectively removes water stains and other ionized contaminants from nickel optical electroforms
- Safely dissolves and removes metallic cations without damage to the nickel surface
- Reclaims media otherwise out of specification due to hard to remove electrostatic-bonded contaminants.
- Ecologically friendly with biodegradable surfactants and cleaning agents.
- Neutralizes substrate surface charge to prevent electroform sticking in injection molding operations.

DisClean may be used to effectively remove ionized contaminants, such as water stains, that may occur during normal processing and

handling. Using cationic bonding, DisClean first dissolves, then complexes ionized molecules and oxidation products that can otherwise result in errors and distortion after replication.

DisClean may be used at any time to remove organic residues left by protective coatings to insure optimum data transfer from nickel to polycarbonate. Optical media stampers showing high electrical read back errors as a result of these residues are usually restored to specification by simple washing with DisClean.

DisClean easily removes electrostatically bonded contaminants, such as dust particles, that are left untouched by traditional substrate cleaners. In addition to neutralizing substrate surface charges to prevent re-deposition of electrostatic contaminants, DisClean has been proven highly effective at eliminating stamper sticking in post-electroforming operations such as injection molding and embossing.

SPECIFICATIONS:

DisClean is provided ready to use, requiring no dilution or filtration. Non-hazardous and easy to use, DisClean is may be used as a soak

cleaner, rinse agent, or in an ultrasonic cleaning tank.

USE AND HANDLING:

DisClean may be applied to the substrate by any of the following methods:

Spin Coating / Rinse Agent: Place the substrate on a level surface with the contaminant side up.

Dispense a sufficient amount of product to cover the entire surface. Allow to stand for 30 – 60 seconds. **NOTE:** Excessive contact time may cause attack on the nickel. Rinse with DI water and spin dry.

Soak Cleaning: Substrates with water stains or ionize contaminants may be soaked in a pan containing DisClean for 30 – 90 seconds. Rinse and dry after cleaning.

Ultrasonic Cleaning: Ultrasonic cleaning is recommended for substrates contaminated with electrostatic particles. Clean substrates for 30-90 seconds using ultrasonic agitation, then rinse with DI water and dry.

PRODUCT AVAILABILITY:

Disclean is available in 1 and 5-gallon (3.79 and 19L) containers.

<u>Part Number</u>	<u>Description</u>
DSC01	DisClean, 1 gallon bottle (3.79L)
DSC05	DisClean, 5 gallon pail (19L)

ORDERING INFORMATION

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PRODUCT SAFETY AND STORAGE:

Review the product material safety data sheet (MSDS) before using this product.

DisClean is operator safe and ecologically sound. Avoid contact with skin and eyes as irritation may occur in sensitive individuals; always wear chemical resistant gloves and eye protection. Store in a cool dry place. Disclean has a two-year shelf life.

DisChem MISSION STATEMENT

DisChem is dedicated to serving the needs of the optical media industry through providing innovative solutions for success. We provide the highest quality products and services available, unmatched cost per quality.

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