

Technical Datasheet – Cleanaseal 150 High-End Hyper Dielectric Cleaner

Brand: Cleanaseal

Application: Electrical On-board Cleaning – Live Circuits, High Voltage (HV), Industrial Boards

Formulation Code: ULTRA 150-Hyper

Revision: 1.2

Release Date: May 2025



Product Description

Cleanaseal 150 is a high-performance dielectric cleaning solvent, engineered for **safe and efficient cleaning of energized electronic boards** up to **120°C** and **55kV+ environments**. This proprietary blend provides excellent surface wetting, controlled evaporation, zero-residue drying, and strong anti-static/anti-flashover protection.

Physical & Chemical Properties

Property	Typical Value	Test Method
Appearance	Clear, colorless liquid	Visual Inspection
Odor	Mild, low industrial	Organoleptic
pH (aqueous extract)	6.5–7.5 (neutral)	ASTM E70
Flash Point	92°C	ASTM D93
Viscosity @ 25°C	~4.6 cSt	ASTM D445
Surface Dry Time (25°C, film)	50–70 seconds	ASTM D3530 (modified)
Dielectric Strength	>40 kV/mm	ASTM D877
Specific Gravity (25°C)	0.93–0.97	ASTM D1298
Electrical Conductivity	<1 µS/cm	ASTM D1125
Thermal Stability	Up to 120°C	ASTM D6186
Compatibility with Plastics	Excellent (ABS, PC, PVC, FR-4)	ASTM D543
Residue	None (non-conductive, no film)	Internal (residue test)
Solubility in Water	Negligible	-

Advantages

- ✓ Safe on live circuits up to 120°C / 55kV
- ✓ Non-flammable in typical use (flash point >90°C)
- ✓ Zero-residue & non-conductive after drying
- ✓ Anti-static and anti-corrosive
- ✓ Mild odor, safe for closed environments
- ✓ Environmentally acceptable (non-halogenated, no PFAS)

- ✓ Industrial-grade cleaning for oil, flux, grease, carbon, and dust
 - ✓ Sprayable by HVLP or manual mist systems
 - ✓ Designed for HV mining rigs, power control boards, PLCs
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Recommended Use

- **Method:** Spray / Dip / Ultrasonic
 - **Volume Use:** 50–100 mL per board (avg.)
 - **Application Temperature:** 5°C – 45°C ambient
 - **No Rinse Required**
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Storage & Safety

- Store in tightly closed HDPE/steel containers
 - Avoid direct sunlight or heat sources
 - Industrial use only – refer to SDS for PPE and handling precautions
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Packaging

- 500 mL | 1 L | 5 L | 20 L HDPE Bottles / Drums
 - Available in bulk as a customer requisition
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