TECHNICAL DATASHEET — Cleanaseal® 95D FastDry

Japanese Ultra-Dry Dielectric Cleaning Technology

Brand: Cleanaseal
Product: 95D FastDry – High-Performance Dielectric Cleaning Fluid
Revision: Rev A03
Revision Based On: R&D cycle completed 14 months prior **Release**
Date: *22- Feb-2024*
Technology Origin: Japan
Formulation Code: 95D-UltraDry

Product Description

Cleanaseal® 95D FastDry is a high-purity, ultra-dry dielectric cleaning solvent engineered with a proprietary solvent stabilization platform developed for high-voltage electrical maintenance applications.

It is designed for cleaning and flushing energized or de-energized electrical equipment where high dielectric strength, ultra-low conductivity, fast evaporation, and residue-free drying are essential.

The formulation maintains chemical stability under electrical stress and thermal load, ensuring minimal ion formation and reliable arc resistance in high-voltage environments.

Physical & Chemical Properties — Cleanaseal® 95D FastDry

Property	**Typical Value**	**Test Method**
Appearance	Clear, water-white liquid	Visual
Odor	Mild	Organoleptic
Flash Point	**Non-flammable**	ASTM D93
Evaporation Time (25°C film)	**10–20 seconds**	Internal (FastDry profile)
Dielectric Strength	**≥ 45 kV (ASTM D877)**	ASTM D877
Electrical Conductivity	**< 1 × 10^{-11} S/m**	ASTM D1125
Specific Gravity (20°C)	1.620–1.630	ASTM D1298
Viscosity @ 25°C	~0.9 – 1.1 cSt	ASTM D445
Water Content	≤ 2 ppm	ASTM E1064 / COA
Acidity as HCl	< 0.0001%	ASTM D512
Non-volatile Residue	< 0.0001%	ASTM D2369
Thermal Stability	Stable to 120°C	ASTM D6186
Solubility in Water	Negligible	—
Plastic Compatibility	Good on FR-4, fair on ABS/PC	ASTM D543
Residue After Drying	None (zero ionic footprint)	Internal QC

Key Advantages

- **High dielectric performance (≥ 45 kV ASTM D877)**
- Ultra-low conductivity suitable for energized equipment
- **FastDry evaporation technology: 10–20 s**
- **Zero-residue** — leaves no conductive film
- Highly stable under electrical & thermal stress (stabilizer system)
- Effective on oil, carbon, grease, dust, flux residues
- Penetrates tight electrical assemblies

- Compatible with HV spray guns and mist-applicators
- Non-flammable, safe in industrial environments
- Ultra-dry (≤2 ppm water) — prevents tracking & flashover

Recommended Applications

- High-voltage switchgear
- Control panels & PLC cabinets
- Busbars, insulators, connectors
- Motors, alternators, generators
- Electrical equipment in mining, offshore, and industrial sectors
- Sensitive PCB assemblies (energized or de-energized)

Application Method

- **Spray / Mist:** HVLP, low-pressure industrial sprayers
- **Consumption:** 40–80 mL per m² typical
- **Distance:** Apply a thin, even mist from an appropriate industrial-standard standoff
- **Drying:** FastDry profile achieves full evaporation in 10–20 s
- **No rinsing required**

(*Note: energized-work procedures must follow NFPA 70E, IEC 61482, OSHA 1910, IEEE 1584, and facility-specific electrical safety requirements.*)

Storage & Handling

- Store in closed **HDPE / steel** containers
- Keep away from heat and direct sunlight
- Industrial & professional use only
- Consult SDS for PPE and regulatory handling information

Packaging Options

- 500 mL
- 1 L
- 4 L
- 20 L HDPE containers
- Custom OEM packaging available

Manufacturer / Technical Contact

Cleanaseal Technologies
Address : Dūkštų g. 1, Dūkštos, 07165 Vilnius m. sav., Lithuania
Phone: +370 603 63969
Email: qc@cleanaseal.com
Web: www.cleanaseal.com