



TECHNICAL DATA SHEET

ELECTROSOL CTC CONTACT CLEANER

High-Purity Fast-Evaporating Electronic Contact Cleaner & Degreaser

ELECTROSOL CTC

Precision Electronic Contact Cleaner & Residue-Free Degreaser

PRODUCT TECHNICAL SPECIFICATION

Product Overview: ElectroSol CTC is a fast-evaporating, high-purity volatile solvent blend engineered specifically for electronic contact cleaning. Formulated by ALKEMIST™, it safely cleans non-energized electrical and electronic systems, providing rapid, 100% residue-free evaporation without harming sensitive plastics or elastomers.

Key Performance Benefits: Rapid volatile dry time, zero oily residues, excellent wetting action on intricate relays and switches, removes oxides, grease, and dust efficiently, and improves electrical conductivity.

Recommended Applications: Cleaning of non-energized electrical contacts, switches, relays, printed circuit boards (PCBs), tuner controls, electromechanical assemblies, and precision electronic equipment.

Document Control

TDS NO.	ALK-ES-CTC-TDS-001
VERSION	1.0
ISSUE DATE	October 2026
PRODUCT CODE	ALK-ELECTROSOL-CTC
PHYSICAL STATE	Volatile Liquid

Manufacturer

ALKEMIST | WATER AND CHEMICALS SOLUTIONS (SMC-PRIVATE) LIMITED
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1. Typical Physical & Chemical Properties

Verified Laboratory QC Specifications: Tested in accordance with standard ASTM analytical test methods.



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TECHNICAL PROPERTY	SPECIFICATION	STANDARD
APPEARANCE / COLOUR	Clear & Bright liquid	Visual Inspection @ 25°C
ODOUR	Characteristic solvent odour	Organoleptic Evaluation
EVAPORATION RATE	Rapid, 100% Residue-Free	ASTM D3539 / Gravimetric Test
DENSITY @ 20°C	0.780 - 0.810 g/cm³	ASTM D4052 / Pycnometer
FLASH POINT (CLOSED CUP)	Approx. 12°C (54°F)	ASTM D56 Standard Test Method
RESIDUE ON EVAPORATION	< 0.001 % w/w (Zero Residue)	Gravimetric Residue Analysis
PLASTIC COMPATIBILITY	Safe on most engineering plastics (ABS, PE, PP)	Immersion test method
SOLUBILITY IN WATER	Miscible / Complete	Aqueous phase compatibility

2. Application Guidelines & Safety Precautions

2.1 APPLICATION INSTRUCTIONS

For optimum performance when using ElectroSol CTC Contact Cleaner, follow these standard industrial procedures:

De-energize Equipment

Always ensure electrical equipment is completely powered off and disconnected from voltage sources before applying cleaning solvents.

Application & Ventilation

Spray or brush directly onto contaminated contact points. Allow solvent to dissolve oxides and flush away grease. Ensure adequate ventilation.

2.2 PACKAGING & STORAGE

Packaging Parameter	Standard Specification	Handling Notes
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Packaging Parameter	Standard Specification	Handling Notes
Container Sizes	25 Litre industrial pails.	Store in a cool, dry, well-ventilated flammable storage area away from heat and open flames.
Shelf Life	36 months from manufacture date	Keep tightly sealed in original container to maintain solvent purity.

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