

# 296

## ELECTRO CONTACT CLEANER

### Description

Chesterton® 296 Electro Contact Cleaner (ECC) represents the latest advance in technology toward the search for more environmentally acceptable alternatives to CFC's, HCFC's, PFC's, TCE, & DCE.

Chesterton 296 ECC is a state of the art, precision cleaning solvent designed specifically to replace CFC-113, HCFC-141b and other ozone depleting materials. It is a highly effective non-corrosive solvent cleaner for electrical and electronic contacts and assemblies. This non-ozone depleting solvent system utilizes new technology to quickly remove light oils, particulates, fluorolubricants like Krytox® Grease, fluoropolymers and other contaminants from metal contacts. Chesterton 296 ECC is specifically de-signed to restore and improve electrical continuity on energized equipment.

### Composition

Chesterton's 296 ECC contains no chlorofluorocarbons or other chlorinated solvents that deplete the ozone layer.

Because it is formulated with an ultra-clean blend of solvents, Chesterton's 296 will leave virtually no residue. It has a kauri-butanol value very similar to chlorofluorocarbons and will provide a similar degree of solvency.

### Regulatory Status

The United States Environmental Protection Agency (EPA) has listed this product as an acceptable substitute for ozone depleting substances under its Significant New Alternatives Program (SNAP). This program evaluates and approves alternatives to ozone depleting substances.

The solvents used in Chesterton 296 ECC have been accepted for commercial use in the United States through the Toxic Substance Control Act. The solvent is also listed on most international inventories including but not limited to: European Inventory of Existing Chemical Substances (EINECS).

### Typical Physical Properties

Form	Liquid
Appearance	Clear, Transparent
Odor	Negligible
Flash Point, Closed Cup ASTM 93-85	None
Aromatic Content (C8+) Weight %	None
Percent Volatile by Volume @ 25°C	100
Boiling Point	29°C (85°F)
Vapor Pressure @ 25°C ASTM D 2879	> 200mmHg
Specific Gravity	1.32
Kauri-Butanol Value	14

### Suggested Uses

*Spray Cleaning of:*

- Switches
- Controllers
- Panel Meters
- Circuit Boards
- Contacts
- Levers
- Control Panels

*Hard Surface Degreasing of:*

- Equipment
- Motors
- Parts in Process

### Features

- Fast Evaporation
- Low Residue
- Non-Corrosive
- High Purity
- High Dielectric Strength
- No Ozone Depleting Potential
- Replaces CFC-113, HCFC-141b, TCE, DCE & PFC's
- Removes Fluorinated Lubricants
- Safe for Plastic

### Benefits

- Safer to use than petroleum based products
- Saves production time
- No rinsing required
- Safe on most materials
- Can be used on energized equipment
- Less damaging to the environment

### Applications

Chesterton 296 ECC can be utilized to clean electronic equipment, motorized instruments, medical devices, and other delicate instrumentation. It removes light petroleum oils and greases, Krytox® Grease, halogenated oils and particulates as effectively as CFC-113. 296 ECC is safe to use on most materials found in industry. Test for compatibility before using on materials not listed.

## Safety

Before using product, review the Material Safety Data Sheet (MSDS) or the appropriate safety sheet for your area.

### Chesterton 296 Materials Compatibility

Metals	Plastics	Elastomers
Aluminum	Polystyrene	Butyl Rubber
Copper	Polypropylene	Natural Rubber
Carbon Steel	Polyethylene	Silicone
302 Stainless Steel	Polycarbonate	Neoprene
Brass	Polyester	Nitrile Rubber
Molybdenum	Epoxy	EPDM
Tantalum	PET	
Tungsten	ABS	
Cu/Be Alloy C172		
Mg Alloy AZ32B		

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