

Electro-Wash® PR Cleaner Degreaser

Product# ES1603

Product Description

Electro-Wash PR is a fast drying, one step degreasing agent and cleaner that is safe for most plastics. Engineered with very low surface tension, this high pressure aerosol formulation flushes areas clean and evaporates instantly leaving no residue.

- Removes oxides, dust, dirt, and grease
- Penetrates hard to reach areas
- Evaporates quickly
- Leaves no residues
- Has low odor
- Noncorrosive
- Contains no CFCs, HCFCs or 1,1,1 Trichloroethane
- Contains no Chlorinated Solvents

Typical Applications

Electro-Wash PR removes grease, oils and other soils from:

- Printed Circuit Boards
- Relays and Contacts
- Fuse Boxes
- TVs / VCRs
- Solder Paste Screens
- Timers
- Wire Harnesses
- Plastic Housings



Typical Product Data and Physical Properties

Boiling Point:	141°F / 61°C (Initial)
Solubility in Water:	Negligible
Specific Gravity: (water = 1 @ 68°F)	0.67
Flash Point (TCC):	-20.0°F / -29°C
Evaporation Rate: (butyl acetate =1)	<1
Appearance	Clear, colorless liquid
Odor	Mild
Surface Tension: dynes/cm @ 25°C	18.3
Dielectric Strength	24 kV
VOC* Content (aerosol)	
CARB	75%
SCAQMD	548 g/L
Federal	75%
Kauri-Butanol (KB) Number	50
Shelflife	5 years

RoHS Compliant Yes

*Volatile Organic Compound (VOC) information is calculated on a weight basis using the VOC definition of California Air Resources Board (CARB) Consumer Product Regulations, South Coast Air Quality Management District (SCAQMD) Rule 102 and the Federal definition published in 40 CFR 51.100(s).

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Compatibility

Electro-Wash PR is generally compatible with most materials used in printed circuit board fabrication, except acrylics, ABS resins, polycarbonates and polystyrenes. As with any cleaning agent solvent/component compatibility must be determined on a non-critical area prior to use.

Material	Compatibility
ABS	Non-Compatible
Buna-N	Fair
EPDM	Fair
Graphite	Excellent
HDPE	Excellent
LDPE	Good
Lexan	Fair
Neoprene	Fair
Noryl	Poor
Nylon 66	Excellent
Cross-Linked PE	Excellent
Polypropylene	Excellent
Polystyrene	Non-Compatible
PVC	Excellent
Silicone Rubber	Poor
Teflon	Excellent
Viton	Fair

Competitive Assessment

Milligrams of Lithium Greased Removed Per 7 Second Spray

Electro-Wash PR	823
Competitor 1	493
Competitor 2	299

Usage Instructions

For industrial use only. Read SDS carefully prior to use.

Spray 4 to 6 inches from surface to clean. Wash parts from top to bottom, allowing the liquid to flush away dirt and dissolved grease. For precise application use attached extension tube. Flammable — Do Not near sources or ignition or energized equipment.

Availability

ES1603 10 oz. / 283 g Aerosol

Environmental Impact Data

CFC	0.0%
HCFC	0.0%
CL Solv.	0.0%
VOC	75.0%
HFC	16.0%
ODP	0.00

CFC, HCFC, CL. SOLV., VOC, and HFC numbers shown are the content by weight. Ozone depletion potential (ODP) is determined in accordance with the Montreal Protocol and U.S. Clean Air Act of 1990. The ODP of this product is 0.10. It is the sum of the ODP of the substances that may contribute to the depletion of stratospheric ozone, based upon the weight of each substance in the product's formulation.

Technical and Application Assistance

Chemtronics provides a technical hotline to answer your technical and application related questions.

The toll free number is: 1-800-TECH-401.

Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS does not guarantee the accuracy of the data and assumes no liability in connection