

# CHEMTRONICS

## Technical Data Sheet

**TDS# DEL1601**

### Electro-Wash<sup>®</sup> Delta Cleaner Degreaser

#### PRODUCT DESCRIPTION

Electro-Wash<sup>®</sup> Delta Cleaner Degreaser is an extra strength, nonflammable electronics cleaner and degreaser. This high pressure aerosol cleaning agent quickly removes all contaminants – evaporating quickly without leaving residue. Formulated using patented technology, this cleaner provides outstanding solvency for the most oxidized hydrocarbon or silicone grease & oil residues, while being a non-flammable cleaning solvent. It can also be used to remove most no-clean and rosin flux types during rework processes.


- Powerful cleaning agent
- Noncorrosive, safe for metals
- Nonflammable and fast drying
- Removes oil, grease, dirt, silicone, flux, adhesive and other contaminants
- Removes encrusted oxides, dirt, grease and other contaminants
- Penetrates to clean hard to reach areas
- Contains no ozone depleting compounds
- May be used on energized equipment
- Available with All-Way Spray valve

#### TYPICAL APPLICATIONS

Electro-Wash<sup>®</sup> Delta Cleaner Degreaser is engineered for cleaning:

- Circuit Breakers
- Motors and Generators
- Plugs and Sockets
- Potentiometers
- Relays and Contacts
- Selector Switches
- Solenoids
- Switching Devices

#### TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

<b>Boiling Point</b>	>99°F Initial	
<b>Evaporation Rate (butyl acetate=1)</b>	>1	
<b>Appearance</b>	Clear, Colorless Liquid	
<b>Odor</b>	Ethereal	
<b>Flash Point (TCC)</b>	None	
<b>Specific Gravity</b>	1.24	
<b>Vapor Pressure @68°F</b>	51 mm Hg	
<b>Odor</b>	Ethereal	
<b>Solubility in Water</b>	Negligible	
<b>Kauri-Butanol (KB) Number</b>	74	
<b>Surface Tension (dynes/cm @ 73°F)</b>	19	
<b>Dielectric Breakdown</b>	31,000 kV	
<b>VOC* Content:</b>	<u>Aerosol</u>	<u>Liquid</u>
CARB	73%	100 %
SCAQMD	906 g/L	1066 g/L
Federal	63%	85 %
<b>RoHS Compliant</b>		
<b>Shelflife</b>	Aerosols	5 years
	Liquids	2 years after opening

\*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).

#### COMPATIBILITY

Electro-Wash<sup>®</sup> Delta Cleaner Degreaser is generally compatible with most materials used in printed circuit board fabrication, except acrylics, ABS resins, polycarbonates, polystyrenes and silicone. With any cleaning agent solvent/component compatibility must be determined on a non-critical area prior to use.

<u>Material</u>	<u>Compatibility</u>
Buna-N	Not Recommended
Graphite	Good
HDPE	Good
Kynar™	Poor
LDPE	Good
Lexan™	Not Recommended
Neoprene	Poor
Noryl®	Poor
Cross-Linked PE	Good
Polyacrylate	Not Recommended
Polystyrene	Not Recommended
PVC	Poor
Silicone Rubber	Not Recommended
Teflon™	Good
Viton™	Poor

<b>Performance</b>	
<b>Grease Removal per gram solvent (mg) / 3 second Spray</b>	
Electro-Wash Delta	<b>13.9</b>
AK225-based Cleaner	<b>6.4</b>
<b>Grease &amp; Lubricating Oil Removal per gram solvent (mg)</b>	
Electro-Wash Delta	<b>24.4</b>
AK225-based Cleaner	<b>12.5</b>

## USAGE INSTRUCTIONS

For commercial use only.

Read MSDS carefully prior to use.

Spray 4-6 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.

## TECHNICAL & APPLICATION ASSISTANCE

Chemtronics provides a technical hotline to answer your technical and application related questions. The toll free number is: **1-800-TECH-401.**

## AVAILABILITY

DEL1601	12 oz. Aerosol
DEL2201	19 oz. Aerosol
DEL101	1 gallon Liquid
DEL501	5 gallon Liquid
DEL5501	53 gallon Liquid

## ENVIRONMENTAL IMPACT DATA

HCFC-141b	0.0%	HFC	46%
HCFC-225	0.0%	nPB	0.0%

HCFC-225, HCFC-141b, HFC, and nPB percentages shown are the content by weight. HCFC-225, HCFC-141b, HFC, and nPB percentages shown are the content by weight. Hydrochlorofluorocarbons (HCFCs) are regulated under the Montreal Protocol as Class II ozone depleting substances. HCFC-141b is no longer produced in the US under this legislation. HCFC-225 is phased out for production as of 2015. Hydrofluorocarbons (HFCs) are not currently regulated.

### 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 with damages incurred while using it.

Chemtronics® and Electro-Wash® are registered trademarks of Chemtronics. All rights reserved.

All other trademarks herein are trademarks or registered trademarks of their respective owners.

## CHEMTRONICS

8125 COBB CENTER DRIVE

KENNESAW, GA 30152

1-770-424-4888

REV. A (01/15)

## DISTRIBUTED BY: