



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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CHEMTRONICS

Technical Data Sheet

TDS# DEL1601

Electro-Wash[®] Delta Cleaner Degreaser

PRODUCT DESCRIPTION

Electro-Wash[®] 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[®] 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

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

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

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.

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REV. A (01/15)

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