



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 # DEL1608B

Electro-Wash[®] QD Cleaner Degreaser

PRODUCT DESCRIPTION

Electro-Wash[®] QD Precision Cleaner is a plastic safe, nonflammable cleaner formulated for cleaning electronic components and assemblies, and minimizing production downtime. This precision cleaner is fast drying and has good solvency for oil, handling soils, dirt, and light residues. QD is available with the all-Way Spray Valve, to spray in any direction, and with a BrushClean attachment for extra cleaning action


- Removes dirt, carbon, oil, and oxide residues
- Nonflammable
- Excellent material compatibility
- Displaces moisture
- Evaporates fast, minimizes down time
- Leaves no residues
- Enhances electrical signal
- Low toxicity
- Noncorrosive
- Available with BrushClean attachment
- Available with All-Way Spray valve

TYPICAL APPLICATIONS

Electro-Wash[®] QD Precision Cleaner is engineered for cleaning:

- Printed Circuit Boards
- Chip Carriers
- Edge Connector Sockets
- Relays and Contacts
- Circuit Breakers
- Electrical Motors
- Potentiometers
- Motors and Generators
- Selector Switches
- Solenoids

TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

Evaporation Rate	>1
Flash Point (TCC)	None
Specific Gravity - Solvent	1.27
Solubility in Water	Negligible
Dielectric Breakdown	11.7 kV /0.1" gap
Kauri-Butanol (KB) Number	25
Surface Tension (dynes/cm @ 73°F)	17
Vapor Pressure @68°F	1.4 psig @ 70°F
Odor	Ethereal
Global Warming Potential	<1
VOC* Content:	<u>Aerosol</u>
CARB	71% **
SCAQMD	292 g/L
Federal	0%
RoHS Compliant	
Shelflife	5 years

*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).**Before CARB Exemption, CARB Exemption is expected.

COMPATIBILITY

Electro-Wash[®] QD Precision Cleaner Degreaser has excellent compatibility with most materials used in the electronics industry. With any cleaning agent compatibility with substrate should be determined on a non-critical area prior to use.

<u>Material</u>	<u>Compatibility</u>
ABS	Fair
Buna-N	Fair
EPDM	Good
Graphite	Excellent
HDPE	Good
Kynar™	Good
LDPE	Good
Lexan™	Good
Neoprene	Good
Noryl®	Good
Nylon™ 66	Excellent
Cross-Linked PE	Good
Polypropylene	Good
Polystyrene	Not Recommended
PVC	Excellent
Silicone Rubber	Good
Teflon™	Good
Viton™	Not Recommended

Performance	
Grease Removal per gram solvent (mg)	
Electro-Wash QD	1.2
HFE-based Cleaner	0.5

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

DEL1608B 12 oz. Aerosol w/ BrushClean

ENVIRONMENTAL IMPACT DATA			
HCFC-141b	None	nPB	None
HCFC-225	None	HFC	None
trans 1,2 dichloroethylene	None	HFE	None

Hydrochlorofluorocarbons (HCFCs) are regulated under the Montreal Protocol as Class II ozone depleting substances. HCFC-141b and HCFC-225 are no longer produced in the US under this legislation. Hydrofluorocarbons (HFCs) and Hydrofluoroethers (HFE's) 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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