

CHEMTRONICS

Technical Data Sheet

TDS # CW3700

The Mighty Pen[®]

The powerful universal cleaning pen.

PRODUCT DESCRIPTION

The Mighty Pen[®] is ideal for precise removal of label adhesives, marker and ink stains, and conformal coating from printed circuit board. The unique marker tip dispenser provides controlled and exact application. The Mighty Pen[®] allows for quick, convenient and precise spot removal of ink, label adhesive, conformal coating and most stubborn to remove soils. The solvent evaporates quickly and provides low surface tension for superior wetting.

- Outstanding cleaning ability, removes soils quickly
- Simple to use, easy to carry
- Pen dispenser provides controlled application
- Mild Citrus Aroma
- Fast drying
- Low Toxicity
- Rapid removal of label adhesive and conformal coatings

TYPICAL APPLICATIONS

The Mighty Pen[®] can be used for all repair, maintenance, and manufacturing applications including:

- Removing adhesives, tape and label residues
- Cleaning ink marks
- Removing flux residues
- Crayon mark removal
- Removal of conformal coatings
- Removing chewing gum
- Refurbishing telephone equipment
- Repairing computer and rack systems
- Spot cleaning of money changing equipment
- All repair and maintenance spot cleaning

TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

Appearance	Clear, colorless liquid
Odor	Mild citrus
Solubility in Water	Negligible
Specific Gravity	0.85 @ 75° F
Evaporation Rate	<1 (Butyl Acetate = 1)
Flash Point (TCC)	6° F
Surface Tension	19.2 (dynes/cm @ 21.6° C)
Shelf life	5 years
Ozone Depletion Potential	0.0
RoHS Compliant	

COMPATIBILITY

The Mighty Pen[®] is compatible with most materials used in printed circuit board fabrication. Materials such as polystyrene and ABS are not compatible with the cleaning material in The Mighty Pen[®]. As with any solvent, compatibility with substrate should be determined on a non-critical area prior to use.

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

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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USAGE INSTRUCTIONS

Read MSDS carefully prior to use.

1. Hold pen vertically and briefly depress tip to start liquid flow.
2. Allow liquid to sit on the substance being removed for 15 - 20 seconds, then rub area with pen tip until substance is removed. Wipe area clean with a Controlwipes™ Wipe.
3. Wipe tip on a Controlwipes™ Wipe to remove any buildup.

AVAILABILITY

CW3700 11g (0.39 oz.) Pen

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.**

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