

## The Mighty Pen<sup>®</sup>

Product# CW3700

### Product Description

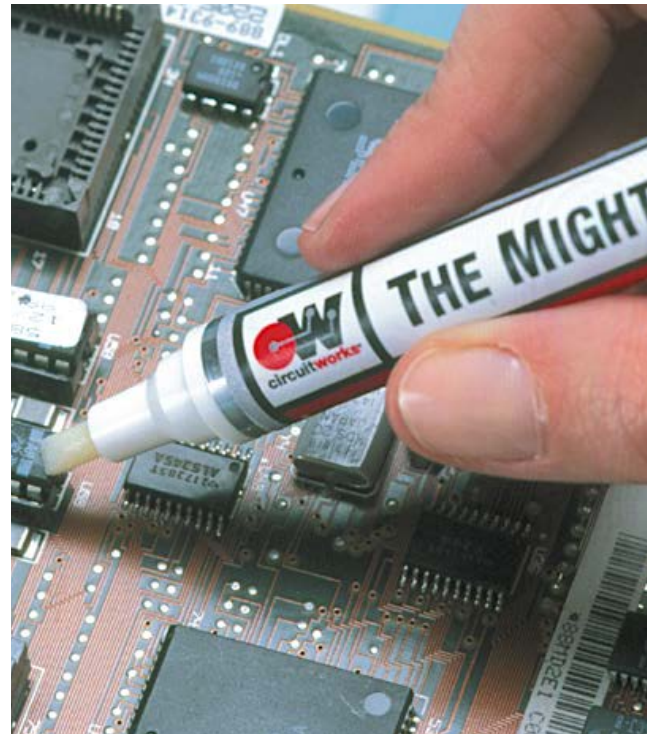
The Mighty Pen is ideal for precise removal of label adhesives, marker and ink stains, and conformal coating from printed circuit board. The unique marker tip dispenser provides controlled and exact application. The Mighty Pen allows for quick, convenient and precise spot removal of ink, label adhesive, 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 (24°C)     |
| Evaporation Rate:<br>(Butyl Acetate = 1)          | <1                      |
| Flash Point (TCC):                                | 6° F (-14°C)            |
| Surface Tension:<br>(dynes/cm @ 70.8°F / 21.6° C) | 19.2                    |
| Ozone Depletion Potential:                        | 0.0                     |
| Shelflife   | 5 years                 |
| RoHS Compliant                                    | Yes                     |

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### 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.

| Material        | Compatibility   |
|-----------------|-----------------|
| 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            |

### Usage Instructions

*For industrial use only. Read SDS 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 9.0g / 0.32 oz. Pen

### 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 with damages incurred while using it.