PowerClean™ II

Extreme Cleaning Power for the Toughest Applications

PowerClean™ II is a strong, versatile solvent engineered for cleaning lead-free solders and pastes

- **Extreme Cleaning Power without White Residues**
- **Best on Lead-Free Applications**
- **Highly Cost-Effective: The Least Expensive Product in Its Class**
- **Nonflammable But Ozone-Safe**
- **Fast Drying, Low Aroma**

General Information

PowerClean™ II is arguably the world's strongest ozone-safe solvent not based on trike, methylene chloride or nPB. It easily flushes away lead-free residues, oils, inks and some conformal coatings without the problems of white residues.

About the Product

PowerClean™ II is an electronics cleaner effective on lead-free solders and any other contamination found on circuit boards. It is used for defluxing, degreasing, cleaning connectors, removing light oxides and cleaning flux-covered pallets. Importantly, this solvent prevents the formation of white residues.

Use PowerClean when defluxing SMT boards made with lead-free solders and pastes. It is the best choice for cleaning during rework and repair because the cleaning is fast, the aroma is low, and little elbow-grease is required. PowerClean II is not suitable for use in any heated cleaning system.

PowerClean is generally safe on most components, insulators and elastomers, including materials such as epoxies, nylon, polyethylene, polypropylene, and PVC, but may affect ABS, polystyrene and polycarbonates. As to be expected from such an active solvent, testing on plastics is recommended.

The Trigger Grip™ dispenser is strongly recommended to reduce solvent waste and boost cleaning effectiveness. The Trigger Grip generally doubles the life of the aerosol can, making MicroCare cleaners half the price of competing formulations.

Technical Details

Chemical Family	HFC and trans blend
Appearance	Clear, Colorless Liquid
Aroma	Slight, Ethereal
Boiling Point	39˚C/ 102˚C

Solvency & Cleaning Data

Cleaning Strength (K_b)	115
Specific Gravity (@25˚C)	1.27
Surface Tension (dyne/cm)	24
Percent Volatile	100%
Evaporation (Ether=1)	>1

Health, Safety & Environmental Data

Toxicity Rating (ppm, 8-hr., TWA, PEL)	See MSDS
Safety Rating	Nonflammable
Flashpoint	None, per ASTM D 93
Flammability Limits	Upper: 13%; Lower: 5.5%
NFPA	Health: 1; Fire: 0; Reactivity: 1
Ozone Impact	Zero
VOC Content (g/L)	1,080
RoHS and WEEE Compliant	Yes
SNAP Approved	Yes

Packaging

Aerosol	10.5 oz. / 300 g	MCC-PW210A
Gallon Pail	10 lbs./4.53 kg	MCC-PW2G
5 Gallon Pail	50 lbs./22.7 kg	MCC-PW2P
55 Gallon Drum	500 lbs./227 kg	MCC-PW2D

The aerosol product is packaged in cases of twelve (12) cans per box. This product has an unlimited shelf life.

Related Products

MicroCare strongly recommends using the **Trigger Grip™** dispenser with the aerosol cleaners because it speeds cleaning and reduces solvent waste. For plastic-safe cleaning, **VeriClean™** is a fast-drying replacement. For cleaning in heated degreasers, **Flux Remover C** is the best option. For use in heated dip tanks, the **Reflow Oven Cleaner** is a safe and highly effective nonflammable choice. Contact MicroCare for more details on the technical issues.

Product Notes

AVAILABILITY. This product is available from MicroCare distributors world-wide. Contact your local distributor at www.MicroCare.com for details.

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