

## Three New Benchtop Flux Removers Pioneered by MicroCare

Three new aerosol-packaged circuit cleaners will be introduced by MicroCare at the giant Productronica Exposition in Munich in November 2015. All three of these products use unique and innovative chemical formulations not previously on the market to help companies lower their PCB cleaning costs, improve product quality and meet ever-more stringent regulatory obligations.



In brief: the three new cleaners are the *Universal Flux Remover*, the *Universal Contact Cleaner* and the *Polar Flux Remover*. The non-flammable *Universal Flux Remover* is a general-purpose PCB cleaner. It offers excellent materials compatibility and is an effective cleaner for rosin-based, high-temperature, lead-free fluxes and pastes. The *Universal Contact Cleaner* is formulated for rinsing contamination from electrical

contacts, relays, switches and circuits. It is fast-drying and non-flammable, with excellent materials compatibility. The *Polar Flux Remover* was designed as the most aggressive of the three and is an excellent choice for cleaning heavy, aged fluxes and pastes found in PCB repairs.

The selection of the HFO ingredients in these products is a significant environmental milestone. The *Universal Flux Remover* and the *Universal Contact Cleaner* are the first commercialized electronics cleaners to use a new, environmentally-progressive "Hydrofluor-olefin" HFO chemistry

### About MicroCare

MicroCare Corp. is an industry-leading manufacturer of high-performance products used for critical cleaning, coating and lubrication. These products and tools improve quality, reduce operating costs and help protect the environment. Since 1983 MicroCare has helped clients improve their processes in industries as diverse as electronics assembly, telecommunications, aerospace and transportation, medical devices and other precision cleaning applications. MicroCare is constantly innovating new cleaning products and processes to help customers reduce costs and improve quality.

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as the active ingredient for flux removal. HFO cleaners are very attractive because they have an extremely low Global Warming Potential (GWP) and are exempt from Volatile Organic Compound (VOC) restrictions. The HFO ingredients also have been assigned a toxicity rating of 800ppm time-weighted average (TWA), which means they are considered very safe for people. Both HFO products also are non-flammable for enhanced worker safety, plus they are fast-drying, have almost no odor and clean very well.

These new formulas are engineered for long-term compliance with the regulations evolving in Europe and elsewhere. The HFO-based products, in particular, provide a safe and effective cleaning option, with nonflammable safety in shipping, handling and storage, and offer users a new alternative that delivers long term regulatory compliance. The ingredients of all three new cleaners are REACH, GHS, WEEE- and ROHS-compliant making them suitable for use globally.

Companies around the world will specify these new cleaners from MicroCare because they are long-term answers to the difficult cleaning issues facing production engineers today. The HFO-based products may replace HCFC-225ca, HFC fluids, HFE solvents, nPB as well as many non-VOC-exempt hydrocarbons. These cleaners are compliant with all environmental, health and safety regulations. This means a cleaning process can be specified in Germany and then deployed in factories globally.

All three products are engineered to be used with the optional, money-saving TriggerGrip™ cleaning system from MicroCare. The TriggerGrip™ system reduces aerosol solvent use while enhancing user ergonomics, which enables operators to clean more quickly, more safely and with less fatigue. When the aerosols are empty, the canisters are engineered to be easily recycled, which is a significant benefit to European customers.

These products will be available from authorized MicroCare distributors around the globe in early 2016.



Visit MicroCare, meet our team and see these new cleaners at

## **Productronica 2015**

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