



## MultiEx® ST

Special detergent for PCBAs and metallized substrates

Part No. 091623-RM25 // Contents: 25 l

## CLEANING TECHNOLOGY

Made in Germany

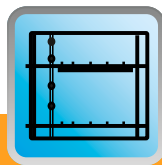


### Application overview



Most suitable

PCBAs, Hybrids  
Power electronics  
Misprints (mounted)



Optional suitable

Solder frames  
Solder carriers  
Solder masks

#### Technical data

|                                 |                             |
|---------------------------------|-----------------------------|
| Color                           | transparent                 |
| pH-value at 20 °C               | 8,6                         |
| Conductance at 20 °C            | < 100 µs/cm                 |
| Flash point                     | > 100 °C                    |
| VOC content                     | < 20 %                      |
| Water solubility                | fully soluble               |
| Application                     | undiluted                   |
| Application temperature         | 20 - 45 °C                  |
| Storing (in original container) | 10 - 30 °C                  |
| CLP / GHS                       | classified as non-hazardous |

MultiEx® ST is a water-based, homogeneous, low-temperature detergent with a long bath life that has been precisely developed for special requirements and is ideal for the thorough and resource-efficient cleaning of PCBAs and metallized substrates.

MultiEx® ST is supplied as a ready-to-use mixture (ReadyMix).

**kolb** MultiEx® ST is compliant with all worldwide legal regulations and directives (REACH, RoHS, TSCA etc.) on the basis of own internal checks, analyses provided by suppliers and/or material certifications of the raw materials used in the production of **kolb** Cleaning Technology GmbH.

#### Contaminations

|                    |    |
|--------------------|----|
| SMD adhesive       | —  |
| Solder paste       | +  |
| Flux               | ++ |
| Thermal compounds  | —  |
| Grease/Oil         | o  |
| Coating/Varnishing | —  |

#### Machine technologies

|                              |    |
|------------------------------|----|
| Spray-in-air / (PowerSpray®) | ++ |
| Spray-in-immersion           | ++ |
| Air-in-immersion (AirFlow®)  | o  |
| Ultrasonic systems           | o  |
| Manual application           | o  |

**++ = ideal for application, + = recommended, o = optionally applicable, — = not recommended**

**Note:** The spreadsheet only shows a general overview of the product specifications.

Cleaning tests are reasonable to determine the optimum cleaner configuration. Such tests may be carried out directly at the **kolb** demonstration center in Willich/Germany or Shanghai/China or can be initiated by contacting your local **kolb** partner.