

## MultiEx® 3D-B1

Aqueous 3-dimensional special detergent combining  
1. flux removal, 2. deoxidizing 3. passivating






Part No. 090669-RM25 // Content: 25 l

## CLEANING TECHNOLOGY

Made in Germany



### Application overview

				
<b>Most suitable</b>	<b>Suitable</b>	<b>Optional suitable</b>	<b>Optional suitable</b>	<b>Not suitable</b>
PCBAs, Hybrids Power electronics Misprints (mounted)	Stencils Screens Misprints (bare boards)	Solder frames Solder carriers Solder masks	ESD boxes Containers Magazines	Condensation traps Filters Steel sheets

Technical data	
Color	farblos
pH-value at 20 °C	11,1
Flash point	> 100 °C
VOC content	< 20 %
Water solubility	fully soluble
Application	pure
Application temperature	20 - 45 °C
Storing (in original container)	10 - 30 °C
CLP / GHS	GHS 07
MultiEx® 3D detergents work in three dimensions: 1. Flux removal, 2. Deoxidation of the metal surfaces, especially with copper and aluminum, 3. Passivation of the metal surfaces. MultiEx® 3D-B1 is a standard broadband cleaner for DCBs and PCBAs.	
Detergent ReadyMix for direct use in a cleaning system.	

Contaminations	
Adhesive / Glue	o
Solder paste	++
Flux	++
Thermal compounds	++
Oxides	++
Coating / Varnishing	—
Machine Technologies	
Spray-in-air / (PowerSpray®)	++
Spray-in-immersion	+
Air-in-immersion (AirFlow®)	+
Ultrasonic systems	+
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.

**kolb** MultiEx® 3D-B1 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.