



MultiEx® B11

CLEANING TECHNOLOGY

Made in Germany

Aqueous alkaline broadband cleaning detergent for SMD paste, SMD adhesive and flux

Part No. 090637-CN10 // Content: 10 l

Part No. 090637-CN25 // Content: 25 l



Application overview

Optional suitable	Most suitable	Suitable	Suitable	Optional suitable
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	yellowish
Phases	multiphase
ph-value at 20 °C	11,1
Conductance at 20 °C	< 100 µS/cm
Flash point	> 100 °C
VOC content	< 20 %
Standard mixing ratio	1:3 with water
Water solubility	easily soluble
Application temperature	20 - 45 °C
Storing (in original container)	10 - 30 °C
CLP / GHS	GHS 07
MultiEx® B11 is a detergent concentrate, cleaning particularly SMD paste, SMD adhesive and (conditionally) flux through and with best material protection from stencils, screens, solder frames, solder pallets, ESD boxes and PCB magazines.	
Concentrate for blending with water	

kolb MultiEx® B11 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	
Adhesive / Glue	+
Solder paste	++
Flux	++
Thermal compounds	—
Grease / Oil / Dust	+
Coating / Varnishing	—
Machine Technologies	
Spray-in-air / (PowerSpray®)	++
Spray-in-immersion	++
Air-in-immersion (AirFlow®)	++
Ultrasonic systems	++
Stencil undersides	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.	