



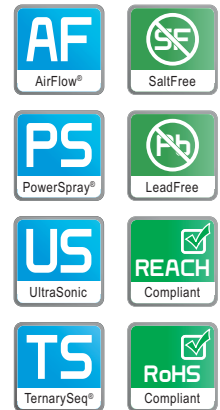
# MultiEx® A12

Multifunctional aqueous alkaline broadband cleaning detergent particularly for colophonium and flux



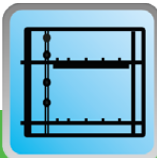


Part No. 090607-RM25 // Contents: 25 l

## CLEANING TECHNOLOGY

Made in Germany



### Application overview

				
<b>Most suitable</b>	<b>Optional suitable</b>	<b>Most suitable</b>	<b>Most suitable</b>	<b>Optional suitable</b>
Assembled PCBs Hybrids Misprints	Stencils Screens, PumpPrints Misprints	Solder frames Solder carriers Solder masks	ESD boxes Containers Magazines	Condensation traps Filters Steel sheets

Technical data	
Color	transparent
Odor	specific
ph-value at 20°C	11,0
Melting point	not determined
Initial boiling point and range	not determined
Flash point	100° C
Flammability (solid & gas)	not applicable
Explosion limits	not determined
Auto-ignition temperature	not applicable
Density at 20° C	0,990 g / cm³
Water solubility	easy soluble
Viscosity at 20° C	30 mPa·s
Application	pure
Storing frost-free	in original container
GHS signal word	not classified as hazardous
MultiEx® A12 cleans particularly colophonium and flux thorough and with best material protection from assembled PCBs, misprints, screens, solder frames, solder pallets, ESD boxes, PCB magazines.	
ReadyMix for direct use in the cleaning system.	

Applications	
SMD adhesive	+
Solder paste	++
Low voc flux	++
Colophonium flux	++
Waterbased flux	++
Solder paste (soldered)	++
Oil / Grease	++
Spray-in-air systems	++
Spray-in-immersion systems	++
Air-in-immersion systems	++
Ultrasonic systems	+
Manual application	o
<b>++ = ideal for application, + = recommended, o = optionally applicable, - = not recommended</b>	
<b>Note:</b> 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 <b>kolb</b> demonstration center in Willich / Germany or Shanghai / China or can be initiated by contacting your local <b>kolb</b> partner..	

All modifications due to technical improvements are subject to change without notice.