



FR60

Cleaning spray for manual cleaning of commonly contaminated PCB assemblies.

Part No.: 091601 // Content: 12 x 200 ml spray bottle

CLEANING TECHNOLOGY

Made in Germany



Application overview

Manual cleaning is done by spraying the detergent to the surface to be cleaned. The ESD-safe cleaner themselves evaporates residue-free. The dissolved flux residues then can be easily removed using the bottle's brush head, which is particularly gentle on components.

Technical data	
Color	transparent
Odor	specific
Initial boiling point and range	60 °C
Flash point	-25 °C
Density at 20 °C	0,69 g / cm ³
Vapor pressure	150 hPa
Lower explosion limit	0,8 Vol.-%
Upper explosion limit	8 Vol.-%
Application	pure
Application temperature	20 - 45 °C
Storing frost-free	in original container
EWC key number	150104
CLP / GHS	GHS 02, 07, 09
FR60 is a special cleaning spray for manual cleaning of assemblies. FR60 spray is ideal for normal contaminations. For stubborn, coarser soiling, the use of kolb FR100-Spray, part number 091601, is recommended.	

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	++
<p>++ = ideal for application, + = recommended, o = optionally applicable, — = not recommended</p> <p>Note: The spreadsheet only shows a general overview of the product specifications.</p> <p>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.</p>	