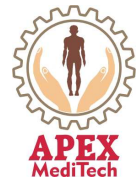
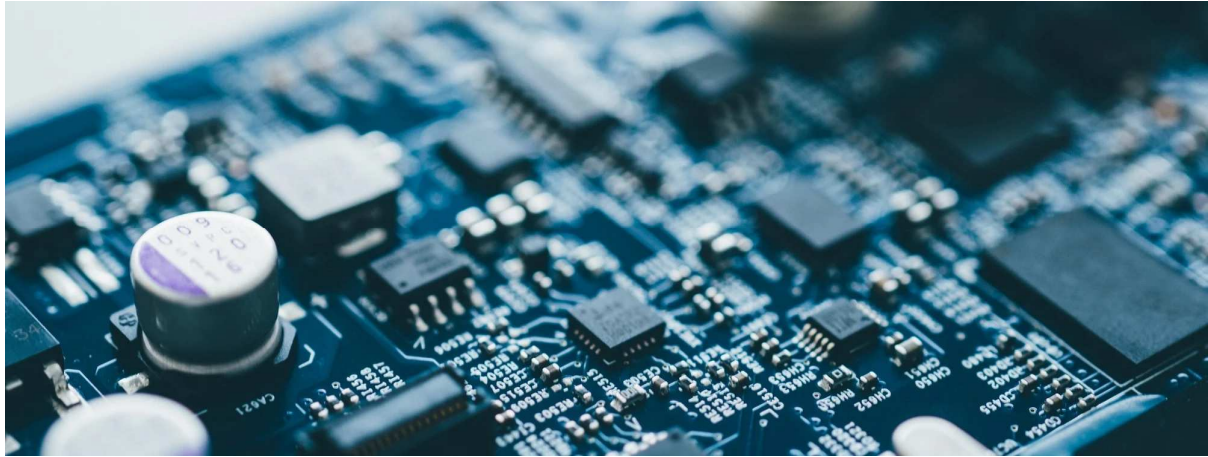


FR104 Cleaner



For Removal of Rosin Flux Residue



Product Description

Soldering fluxes invariably leave a trace of residue behind them after doing their job of cleaning corrosion from the soldered surfaces.

FR104 is formulated for the 21st century cleaning of electronic assemblies with surface mount and mixed technologies. FR104 is an extra-strength aqueous based cleaner for flux removal. Aqueous solutions are the easiest and most followed solutions worldwide for large scale as well as small scale electronic assemblies cleaning. It is suitable for use in ultrasonic cleaning systems, modified dishwashers or by hand cleaning. It is an excellent cleaner for the removal of all rosin, water soluble and no clean flux types from electronic subassemblies, printed circuit boards and all other electronic components. This concentrated formula can be diluted 1:4 with de-mineralised or filtered water for handling all cleaning applications. FR104 will effectively remove other contaminants such as dirt and handling soils.

FR104 Cleaner is a concentrated liquid cleaner which is added to water to make a non-foaming solution for removing rosin flux residue. FR104 possesses enhanced ability to dissolve flux or solder paste formulations. This assures excellent visual and ionic cleanliness of circuit boards after cleaning. A significant feature of this formulation is its stable composition during use at elevated temperatures for the time saving best performance. The diluted solution is reusable. This results in less frequent discharge of the wash tank for replacement with fresh solution and in a process cost reduction. Another special feature of FR104 is it leaves solder joints bright and shiny after cleaning. FR104 eliminates the need for expensive, toxic and environmentally harmful solvents traditionally used for flux removal.

FR104 is the most economical and easiest solution to clean the PCB assemblies used in various applications such as white goods, medical & veterinary devices, industrial instruments & controls, automotive, computer, telecommunications, energy etc.

FR104 Cleaner



Performance Characteristics:

- Enhanced ability to remove flux, removes encrusted, hard, baked fluxes
- Effective for rosin, water-soluble and no-clean flux chemistries
- Powerful cleaner leaves no residue, no dull sticky patches
- Reusable hence economical
- Extremely easy to use
- No odour, Nonabrasive, Nonflammable
- Can be used in Ultrasound cleaner, modified dishwashers or used for hand cleaning



Application

FR104 Cleaner is specifically designed for use in automatic spray cleaning equipment but can also be used in batch type washers, ultrasonic cleaners or used for hand cleaning using brush. This product contains a very effective organic anti-foaming agent. No silicone de-foamers or other oils which do not rinse completely from a circuit board assembly are present in the formulation. For typical applications a dilution of 1 part of FR104 to 4 parts of de-mineralised or filtered water by volume is required. Excellent cleaning is accomplished with low foaming and minimal odour. Maintaining the solution temperature in between 45° and 55° C gives the best performance. How much FR104 will be used depends on the specific flux or solder paste formulation, the solids content of the rosin flux, the solution temperature and efficiency of the cleaning equipment.



Availability

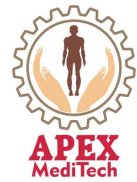
5 L Liquid concentrate.



Compatibility

FR104 is generally compatible with most materials used in printed circuit board assemblies. It may safely be used for PCB assemblies used in applications such as white goods, medical & veterinary devices, industrial instruments & controls etc.

FR104 Cleaner



RoHS Compliance

This product meets the requirements of the Restriction of Hazardous Substances (RoHS) Directive, 2015/863/EU for the stated banned substances.



Technical and Application Assistance

Apex provides a WhatsApp messenger number to post your technical and application related questions. The WhatsApp Messages number is: +91 7507213679. You may also send email to Admin@Apex-Meditech.com for the technical assistance.

Note:

Read the datasheet before handling and using the product.

Quality approved to:
ISO 13485:2016
ISO 9001:2015

Manufactured in India by

Apex Meditech,
S No.635/1, Plot 49, Vaibhav Society,
Off Swami Vivekanand Road,
Bibwewadi, Pune 411037
Phone: +91 (20)24410630, (20)24410634
Phone: +91 7709196290
Email: sales@apex-meditech.com

Available in various countries

India: sales@apex-meditech.com | Europe: sales@cellsonic-medical.com |
USA: sales@cellsonic-medical.com | Middle East: sales@cellsonic-medical.com