

FEATURES

- * Excellent wetting
- * Pin Probe Testable
- * Very low solids
- * No Solder ball Formation
- * Halide free
- * Enhanced activity level

DESCRIPTION

EF-6100 is a No Clean, LEAD FREE wave flux, based on materials supplied from International OEM chemical producers. It is more economical and different to E-191.

EF-6100 is formulated on several years of experience, with a mixture of organic activators to give more thermal stability, thereby reducing the occurrence of solder bridging during lead-free dual wave soldering.

EF-6100 was specifically developed to deliver high reliability and excellent soldering performance on modern board conditions and to be pin probe testable. **EF-6100** exhibits a low tendency for solder ball generation over a wide variety of solder masks during wave soldering and Selective Soldering operations. **EF-6100** should be considered for use by any assembler who has board designs which require high reliability, good through-hole-fill, reduced component bridging and reduced skips.

EF 6100 can be used in a wide range, on different wave thermal processes, giving first class production results with lead-free wave soldering applications, and is also an excellent flux for remaining tin-lead production lines.

EF 6100 exhibits exceptional electrical reliability for a low-solids wave soldering flux. **Complies with IPC-J-STD-004 SIR, Bellcore SIR, Bellcore ECM, JIS ECM, and JIS SIR.**

BENEFITS

- * Penetrates & wets rapidly
- * No cleaning required
- * Minimal bridging
- * Wide process window
- * Low surface tension
- * Low tacky residue

The thermally stable activators provide minimized solder bridging as a low-solids, no-clean flux for Tin/Lead and Lead Free Wave Soldering and in Selective Soldering applications.

This formulation also has an ingredient that will reduce the surface tension in the flux on the solder mask, in proof flux flow and prevent solder ball formation.

EF-6100 leaves a non-visible and a very low level of non-tacky residue to make pin probe testing easy.

EF-6100 is formulated to be applied by spray methods. A uniform coating of flux is essential to successful soldering. **See next page for applications.**

PHYSICAL DATA

| Parameters | Typical Values |
|-------------------------|----------------------------------|
| Appearance | Clear, colourless to pale yellow |
| Solids Content, wt/wt | 3.6 % |
| Acid Number (mg KOH/g) | 24.0 ± 1.2 |
| Specific Gravity @ 25°C | 0.794 ± 0.003 |
| Flash Point (T.C.C.) | +/- 20 °C |

Pack Size - 10 Litre Canister with lock cap