

# Alpha-Fry™ EGF-540

## Wave Soldering No-clean Flux

### DESCRIPTION

Alpha-Fry™ EGF-540 is a very robust, low-solid, rosin-containing flux which has been formulated such that no solder balls are formed and bridging are minimised. It provides excellent wettability on difficult-to-solder surfaces without causing any corrosion issue. This flux works well in both Lead-Free and Tin-Lead processes. The flux leaves a very thin transparent coat, which not only protects the board surface but also gives it additional aesthetic values.

### PERFORMANCE FEATURES

- Robust performance with wide process window
- Non-corrosive residues
- Capable for Tin-Lead and Lead-Free processes
- Can be applied via spraying or foaming
- Excellent solderability with low solderballing and minimal bridging
- Evenly spread and low tack flux residue

### TECHNICAL SPECIFICATION

Item	Specification	Item	Specification
Appearance	Clear, Pale Yellow Liquid	Copper Mirror Test	Pass
Solids Content, wt/wt	4.0	Copper Corrosion Test	Pass
Specific Gravity @ 25°C (77°F)	0.794 ± 0.003	SIR IPC J-STD 004B	Pass
Acid Number (mg KOH/g)	18.0 ± 1.0	IPC Classification	ROL0
pH, as is	3.4	Recommended Thinner	EGT 5052
Flash Point (T.C.C.)	13°C		

### APPLICATION

Alpha-Fry™ EGF-540 is specially formulated for spraying or foaming. For spray application: 1100-1500 µg/in<sup>2</sup> of solids/in<sup>2</sup> dual wave, 1000-1200 µg/in<sup>2</sup> of solids/in<sup>2</sup> single wave.

Recommended onboard preheat temperature is 85-120°C for Lead-Free and 85-110°C for Tin-Lead.

Alpha-Fry™ EGF-540 is a no-clean flux and the residues are designed to be left on the board. If cleaning is required, residues can be readily removed using solvents, saponifiers or semi-aqueous cleaners available in the market.

### AVAILABLE PACKAGING

1, 5 and 55 gal.

### HEALTH & SAFETY

Alpha-Fry™ EGF-540 should be used according to industrial standards of practice. For safety advice please refer to the material safety data sheet.

### STORAGE

Alpha-Fry™ EGF-540 is flammable. Keep away from all sources of heat, sparks, flame and sunlight.

### SHELF LIFE

Under adequate conditions Alpha-Fry™ EGF-540 can be stored in original unopened containers for a minimum of 6 months.