

alpha-fry™

Technical Data Sheet

SM1140-4

Alpha-Fry™ EGF-551

Wave Soldering No-clean Flux

DESCRIPTION

Alpha-Fry™ EGF-551 is a no-clean flux formulated with a small percentage of rosin and non-halide activators. This rosin activation system promotes excellent wetting performance and yet maintains a long-term electrical reliability. Post soldering residue of Alpha-Fry™ EGF-551 is minimal, colorless, and slightly glossy.

PERFORMANCE FEATURES

- Consistent soldering performance with wide process window
- Capable for Tin-Lead and Lead-Free processes
- Can be applied via spraying or foaming
- Non-corrosive residues

TECHNICAL SPECIFICATION

Item	Specification	Item	Specification
Appearance	Clear, Pale Yellow Liquid	Copper Mirror Test	Pass
Solids Content, wt/wt	6.0	Copper Corrosion Test	Pass
Specific Gravity @ 25°C (77°F)	0.798 ± 0.003	SIR IPC J-STD 004A	Pass
Acid Number (mg KOH/g)	27.0 ± 2.3	IPC Classification	ROM0
pH, as is	3.68	Recommended Thinner	EGT 5052
Flash Point (T.C.C.)	17°C		

APPLICATION

Alpha-Fry™ EGF-551 is specially formulated for spraying or foaming. For spray application: <1500 µg/in² of solids/in² dual wave, <1200 µg/in² of solids/in² single wave.

Recommended onboard preheat temperature is 90-110°C for Lead-Free and 75-95°C for Tin-Lead.

Alpha-Fry™ EGF-551 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

Content Alpha-Fry™ EGF-551 should be used according to industrial standards of practice. For safety advice please refer to the material safety data sheet.

STORAGE

Alpha-Fry™ EGF-551 is flammable. Keep away from all sources of heat, sparks, flame and sunlight.

SHELF LIFE

Under adequate conditions Alpha-Fry™ EGF-551 can be stored in original unopened containers for a minimum of 6 months.

The information contained herein is based on data considered accurate and is offered at no charge. No warranty is expressed or implied regarding the accuracy of this data. Liability is expressly disclaimed for any loss or injury arising out of the use of this information or the use of any materials designated.

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