

ALPHA[®] A83

Liquid Activated Rosin Flux

DESCRIPTION

ALPHA A83 is a foam flux. It is a stable, homogeneous solution of pure water-white rosin with a multi-component solvent to which has been added a controlled amount of effective activating agents. The material maintains its foaming, wetting and fluxing properties during continuous aeration.

ALPHA A83 contains P.C. Rosin which ensure increased flux clarity, lighter color and greater performance consistency. The use of P.C. rosin eliminates crystallization and simplifies flux residue removal.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES & BENEFITS

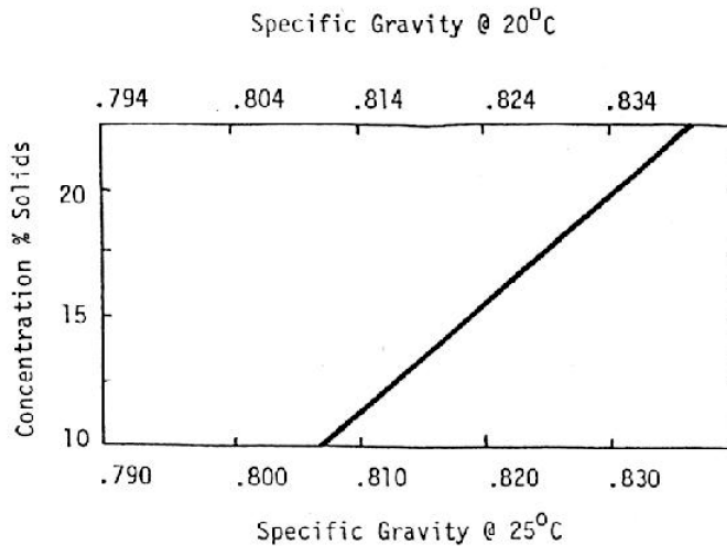
ALPHA A83 is a foam flux specially designed for machine soldering. It has the following outstanding advantages:

- No separation of solid components
- Excellent wetting and capillary action
- Fast drying
- Increased solder spread on printed circuit boards
- Reduced bridging and icicling
- Low quantity residual flux which may be left on the board
- For critical applications, residues easily removed with Alpha Cleaners

APPLICATION GUIDELINES

The ALPHA A83 Flux is specifically design for foam or wave fluxing of printed circuit boards and other electronic assemblies. It offers advantages of instant wetting, excellent capillary properties and minimal residues after soldering. The flux is suitable for us with a variety of metallic surfaces, improving solder spread and reducing icicling and bridging.

Thinning: To maintain foaming properties, ALPHA 425 Thinner should be added to compensate for evaporation loss. Add thinner until proper flux density is obtained.



Residue Removal: If required, ALPHA A83 residues may be effectively removed with any Alpha Cleaner. Other cleaners may be used provided they have an adequate content of polar solvent.

For critical cleaning applications, consult your Alpha Customer Technical Sales representative to determine the total ionic residues using an ionic contamination testing.

TECHNICAL DATA

Item	Typical Values	Item	Typical Values
Appearance	Clear Pale Amber Liquid	Flash Point (T.C.C.)	15 °C (59 °F)
Solids Content, %wt/wt	14.6 ± 0.05	Recommended Thinner	ALPHA 425
Specific Gravity @ 25 °C (77 °F)	0.819 ± 0.005	Shelf Life (from Date of Mfg.)	720 Days
IPC J-STD-004 Designation	ROL1	Packaging Size	25 Liters

RECYCLING SERVICES

We provide safe and efficient recycling services to help companies meet their environmental and legislative requirements and at the same time, maximize the value of their waste streams.

Our service collects solder dross, solder scrap, and various forms of solder paste waste. Please contact your local sales representative for recycling capabilities in your area or [link here](#).



SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use. **Safety Data Sheets are available at MacdermidAlpha.com/assembly-solutions/knowledge-base.**

CONTACT INFORMATION

To confirm this document is the most recent version, please contact
Assembly@MacDermidAlpha.com
www.macdermidalpha.com

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. **READ IT THOROUGHLY PRIOR TO PRODUCT USE.** Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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