

ALPHA[®] SM-460

Stencil and Misprinted Board Cleaner

DESCRIPTION

ALPHA SM-460 is a concentrated cleaning solution designed for the removal of non-reflowed flux, solder paste and uncured adhesives from stencils and misprinted boards. It has proven compatible with most standard aqueous stencil cleaning equipment.

ALPHA SM-460 is effective at low concentrations but can also be used at full concentration with no adverse effects. The cleaner is recommended to be applied and rinsed with electronic grade water after the cleaning process but has the unique ability of being able to be used without having to be rinsed.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES & BENEFITS

- Effective on uncured solder pastes
- Removes uncured SMT adhesives
- Excellent efficacy at ambient temperature
- Effective at low concentration
- Multi-Metal Safe
- Safe on precious metals
- Effective on tacky fluxes
- Removes SMT adhesives

PRODUCT INFORMATION

<u>pH (10g/L):</u>	Neutral
<u>Flash Point:</u>	None to Boiling
<u>Boiling Point:</u>	103 °C / 219 °F
<u>VOC, @10%:</u>	Partial 82.2 g/L

APPLICATION GUIDELINES

Suggested Process Parameters			
Process Type	Concentration Range	Temperature Range	Rinse/Dry
Spray / Ultrasonic	<25%	49°C / 120°F	DI H2O/Hot Air

The above conditions are meant to be starting ranges. Process parameters may be increased or decreased as needed depending on the specific parts and equipment involved. Your Alpha Technical Service Engineer or Sales Representative can assist you in optimizing your process parameters.

AVAILABILITY

ALPHA SM-460 is available commercially in 25-liter containers.

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**

STORAGE

ALPHA SM-460 is to be stored at 5 to 30 °C / 41 to 86 °F using standard chemical handling practices. Packaged in polyethylene containers with the seal unbroken, ALPHA SM-460 has a suggested shelf-life of five years.

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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