

ALPHA[®] 735 ORGANO FLUX

Lead Tinning Flux

DESCRIPTION

ALPHA 735 Organo Flux is a highly active halide containing water-soluble flux formulated to give excellent solder wetting to kovar, nickel, copper and other alloys commonly used for lead frames, component leads and pin type connectors.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

APPLICATION GUIDELINES

Flux Application: ALPHA 735 Organo Flux can be applied by dipping and wave or foam applicators. Preheating the flux-coated surfaces to 160 to 200 °F will evaporate the solvent and prepare the surface for optimum wicking of solder to the lead surface. Flux applicators should be made of chemically resistant plastic or titanium.

Control: During use, the specific gravity of the flux should be checked periodically and adjusted to specified value ± 0.01 gravity units using the appropriate thinner. Periodically the flux reservoir should be emptied to remove flux containing particulate and debris carried into the flux by the components. The flux reservoir should be thoroughly cleaned, and the reservoir filled with fresh flux.

Removal: After soldering, flux residues must be removed. Removal can be accomplished by multi-stage water washing. For critical levels of cleanliness, hot water rinse and a final rinsing with cold deionized water is recommended. The ALPHA 2110 Aqueous saponifier will improve the removal of flux residues and other soils in systems having limited cleaning zones.

TECHNICAL DATA

Properties	Typical Values	Properties	Typical Values
Appearance	Clear Pale Blue Liquid	Thinner	DI Water
Specific Gravity @ 25 °C	1.072	Flash Point °C	None
Acid Number (mg KOH/gm)	85.5	Packaging Size	1, 5, 55 gallons
% Chloride	3.0	Shelf Life (from Date of Mfg.)	1080 Days

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.**

STORAGE

Keep in a cool dry place. Do not store in direct sunlight.

CONTACT INFORMATION

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

<p>North America 109 Corporate Blvd. South Plainfield, NJ 07080, USA 1.800.367.5460</p>	<p>Europe Unit 2, Genesis Business Park Albert Drive Woking, Surrey, GU21 5RW, UK 44.01483.758400</p>	<p>Asia 8/F., Paul Y. Centre 51 Hung To Road Kwun Tong, Kowloon, Hong Kong 852.3190.3100</p>
---	--	---

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

DISCLAIMER: All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. No statement or recommendation shall constitute a representation unless set forth in an agreement signed by officers of seller and manufacturer. NO WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY IS MADE. The following warranty is made in lieu of such warranties and all other warranties, express, implied, or statutory. Products are warranted to be free from defects in material and workmanship at the time sold. The sole obligation of seller and manufacturer under this warranty shall be to replace any noncompliant product at the time sold. Under no circumstances shall manufacturer or seller be liable for any loss, damage or expense, direct, indirect, incidental or consequential, arising out of the inability to use the product. Notwithstanding the foregoing, if products are supplied in response to a customer request that specifies operating parameters beyond those stated above, or if products are used under conditions exceeding said parameters, the customer by acceptance or use thereof assumes all risk of product failure and of all direct, indirect, incidental and consequential damages that may result from use of the products under such conditions, and agrees to exonerate, indemnify, defend and hold harmless MacDermid, Incorporated and its affiliates therefrom. No suggestion for product use nor anything contained herein shall be construed as a recommendation to use any product in a manner that infringes any patent or other intellectual property rights, and seller and manufacturer assume no responsibility or liability for any such infringement.

© 2019 MacDermid, Inc. and its group of companies. All rights reserved. "®" and "™" are registered trademarks or trademarks of MacDermid, Inc. and its group of companies in the United States and/or other countries.