

ALPHA[®] KLEENOX P

Solder Oxide Reducing Agent

DESCRIPTION

ALPHA Kleenox P is a white powder formulated to reduce and prevent the oxides of solder, commonly known as dross, from forming on wave solder machines and soldering pots. It works by chemically reducing dross and separating it into pure solder, which returns to the reservoir and residual matter which floats on the surface for easy removal. Sprinkled uniformly on the oxide surface, **ALPHA Kleenox P** will not affect the solder or the solderability of surfaces. Test and field results show that up to 80% of solder can be reclaimed.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES & BENEFITS

- ALPHA Kleenox P is a stable, low fuming and high melting compound with no flash or fire points. No smoke or fumes are generated when solder pot temperatures are below 232°C (450 °F).
- ALPHA Kleenox P contains no halides which may evolve and corrode electronic assemblies.
- Test and field results show that up to 80% of solder can be reclaimed upon using ALPHA Kleenox P.

APPLICATION GUIDELINES

Before applying ALPHA Kleenox P, move dross into one area of the solder bath using a spatula or knife blade. The solder pot temperature should be 238 to 260 °C (460 to 500 °F) as the product is affected at solder temperatures below 280 °C (535 °F). Apply at least 1/8" thick of ALPHA Kleenox P uniformly onto the surface of the molten solder bath.

After 5 to 10 seconds of applying the product, the recovery of dross into solder should take place. Continue working until all remaining dross has been treated and skim off the floating residual matter from the pot after completion. Reapplication may be necessary after several hours of operation if dross begins to build up.

TECHNICAL DATA

Item	Typical Values
Appearance	Solid White Powder
Flash Point	None
Fire Point	None
Shelf Life	1080 Days
Packaging Size	16oz. jars, 12 jars per box

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 Kleenox P is to be kept in sealed containers away from moisture and extreme temperatures.

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 800.367.5460</p>	<p>Europe Unit 2, Genesis Business Park Albert Drive Woking, Surrey, GU21 5RW, UK 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. "(R)" and "TM" are registered trademarks or trademarks of MacDermid, Inc. and its group of companies in the United States and/or other countries.