

ALPHA[®] DEOXIDIZATION TABLETS P1

DESCRIPTION

After a certain time of use in the solder bath, the Alpha Leaded Solder alloys loses phosphorus content. There is then a need to replenish phosphorus with the addition of **ALPHA Deoxidization Tablets P1**.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

PRODUCT INFORMATION

Alloy: High Phosphorus Tin Lead - SnPb39.5-P1
Melting Range: 183 to 190 °C

The phosphorus in the ALPHA Deoxidization Tablets P1 serves to reduce the surface tension, for a lower solder consumption, minimum drossing and reduced stringing and bridging. On the surface of the melted solder, the phosphorus content promotes the formation of a colorless, passivating and invisible film that protects the melt at temperature of 250 to 300 °C from further oxidation.

APPLICATION GUIDELINES

Flow & Drag Soldering: The phosphorus content in flow and drag soldering systems is replenished with the addition of approximately 5 to 7 ALPHA Deoxidization Tablets P1 per 10kg of bath content.

Dip Soldering: The phosphorus content in dip soldering systems (general tinning work) is replenished with the addition of 2 to 4 ALPHA Deoxidization Tablets P1 per 10kg of bath content.

Phosphorus Verification: The correct phosphorus content in the solder is verified with the so-called tarnishing test. The solder is heated to 350 °C and the first oxide film is removed. At the end of about one minute the solder may not exhibit any tarnishing.

AVAILABILITY

ALPHA Deoxidization Tablets P1 is packaged in 250g boxes; size: 9mm x 9mm.

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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