

ALPHA[®] PV-41C PV Ribbon Tinning Flux

DESCRIPTION

ALPHA PV-41C PV Ribbon Tinning Flux is active at room temperature and increases in activity with increased temperatures. It can be used in a variety of industrial applications including ribbon tinning using the popular dip-tinning method.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES & BENEFITS

- High Activity for fast, uniform wetting
- VOC Free means ALPHA PV-41C is good for the environment. It also means that the flux price is less volatile than alcohol based fluxes which follow petroleum prices
- Non-Flammable formula makes ALPHA PV-41C safer to use than alcohol based fluxes
- ALPHA PV-41C flux residues are easily cleaned with water – no other expensive cleaners are needed

APPLICATION GUIDELINES

ALPHA PV-41C may be applied by brushing, swabbing, or dipping. Soldering should be done as soon as possible after applying flux. Air drying or moderate preheating can be used to reduce spattering. The following steps are recommended for optimum soldering results:

1. Remove any oil, grease, or other contaminants from the surface to be soldered.
2. Apply flux to metal surface by dipping, spraying, or brushing.
3. If spattering is a problem, preheat or otherwise allow flux to air dry before soldering.
4. Apply solder.

Residues are water-soluble and can be cleaned completely using a hot (60 °C/140 °F) water rinse using de-ionized, distilled, or in some cases, tap water, for best results. Room temperature water may also be used.

As a water based flux, ALPHA PV-41C flux specific gravity should be relatively stable but may vary based on the tinning process being used. Specific gravity can be maintained, monitored by titration. Assistance in controlling the flux by this method can be obtained through our technical department.

PHYSICAL PROPERTIES

Category	Results
Appearance	Clear, Colorless liquid
Solids Content, wt/wt	2.7%
Specific Gravity @ 20 °C	1.017 +/- 0.005
Acid Number (mg KOH/g)	19.1 +/- 1.0
Flash Point (T.C.C)	None

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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