

ALPHA[®] RADSOL T841

Flux

DESCRIPTION

ALPHA Radsol T841 flux is water based and classed as a non-corrosive residue flux. It has been used as a baking flux in copper-brass heat exchanger manufacturing processes for many years. Its high resistance to overheating enables it to be used in processes where carbonization is a concern.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES & BENEFITS

- Zinc chloride free – ensuring inert, non-corrosive post soldering residues.
- Resistant to carbonization – less tendency to leave solid or oily black residues.
- Long life at soldering temperature – makes the flux ideally suited to core baking.
- Dilutable – dilution with water is recommended. Dilution rates up to 1 part flux to 10 parts water can be obtained with suitable process and product conditions.

APPLICATION

Suitable for use with conventional and lead-free soft solders on copper and copper alloy components. ALPHA Radsol T841 flux has a longer life at elevated soldering temperatures with the benefit that it is more tolerant of poor baking oven conditions. It also exhibits less tendency to carbonize and produce black deposits than conventional baking fluxes. ALPHA Radsol T841 is particularly of use when the temperature rise of the core, as it travels through the oven, is slow (so that it requires for example, 3 minutes rather than 1 minute to reach soldering temperatures). Typical operating strength is 1:10 in good conditions, perhaps 1:5 in poor.

TECHNICAL DATA

Item	Typical Values
Appearance	Clear colorless to light yellow liquid
pH	<1 (Conc. (%w/w):100)
Flash Point	Not applicable
Specific Gravity	1.20 g/cm ³ @ 20 °C
Odor	Slightly Acrid

PACKAGING

25 litre and 200 liter plastic 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**

CONTACT INFORMATION

**To confirm this document is the most recent version, please contact
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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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