

ALPHA[®] RADSOL 701

Industrial Flux

DESCRIPTION

ALPHA Radsol 701 is water based and is classed as a non-corrosive residue flux. It has been used with Copper and Copper-based alloys for over 25 years. It has a higher tolerance to overheating than its sister flux, **ALPHA Radsol 301**, and is used where **ALPHA Radsol 301** 'flashes off' too quickly.

ALPHA Radsol 701 works well with flame soldering but can leave carbonized residue if misused and overheated. It contains wetting agents which enhances its performance in industrial applications.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES & BENEFITS

- Zinc Chloride Free – Ensuring inert, non-corrosive post-soldering residues
- Minimal Residue – Low residue flux when overheating can be avoided
- Mild - Suitable for hand soldering because of the relatively low free acid content. Takes over where ALPHA Radsol 301 does not have sufficient activity
- Medium Life at Soldering Temperature – Will withstand an extended time of heating and is suitable for radiator baking where welded tubes and 'Tinning After Forming' tubes are used in conjunction with efficient baking ovens
- Use as supplied for many operations which require a flux at full strength. Because it is a stronger flux than ALPHA Radsol 301, it can be diluted up to 1 part flux to 4 parts water where cost is a major consideration

APPLICATION GUIDELINES

ALPHA Radsol 301 is suitable for use with conventional and Lead-free soft solders on copper and copper alloy components. It has a fair life at soldering temperature and is often used on larger components where time to soldering temperature is extended. ALPHA Radsol 701 is used in radiator production where the ability to handle a wide variety of heating systems is required. ALPHA Radsol 701 can be diluted with water to reduce costs.

TECHNICAL DATA

Item	Typical Values	Item	Typical Values
Appearance	Clear, colorless to pale yellow liquid	Flash Point	Not applicable
Specific Gravity @ 20 °C	1.11	Shelf Life (from Date of Mfg.)	2 Years
pH	< 1.0	Packaging Size	25, 200 Liters
Odor	Slightly acidic		

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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