

# ALPHA<sup>®</sup> AMCO 64

## Low Temperature Flux

### DESCRIPTION

**ALPHA AMCO 64** is a chloride free, high viscosity, organic-based flux for low-temperature soldering of Aluminum and Aluminum alloys. Applications for this general purpose flux are Aluminum to most ferrous and non-ferrous metals. It is also used in the joining of Aluminum to other difficult to solder materials such as stainless steel, Alnico, Kovar®, Nickel, etc. Preferred solders for use with the **ALPHA AMCO 64** are 63Pb34Sn3Zn and 91Sn9Zn.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

### FEATURES & BENEFITS

- Chloride Free Flux for Hand Soldering Application
- Non-Corrosive and Non-Conductive Flux Residues
- Rapid Dispersion and Surface Reaction

### APPLICATION GUIDELINES

ALPHA AMCO 64 Flux can be used as received or diluted up to 25% by weight using ethyl or methyl alcohol. The prepared solution should be stored in sealed glass or plastic containers.

ALPHA AMCO 64 is applicable to all types of joining techniques including iron, flame, furnace and dip soldering. Control operating temperature range at 350 to 550 °F. Do not exceed 600 °F.

Flux residues may be removed by cleaning with warm D.I. water.

**TECHNICAL DATA**

Item	Typical Values	Item	Typical Values
Appearance	Clear amber, viscous liquid	Pounds per Gallon	10.0
Specific Gravity@70 °F	1.38	Shelf Life (from Date of Mfg.)	360 days
pH	9.5 to 10.5	Packaging Size	10 lb & 50 lb jug 550 lb drum

**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](http://MacdermidAlpha.com/assembly-solutions/knowledge-base).**

**STORAGE**

The product shelf life is 1 year in unopened containers stored at room temperature. Keep from freezing.

**CONTACT INFORMATION**

**To confirm this document is the most recent version, please contact  
 Assembly@MacDermidAlpha.com  
[www.macdermidalpha.com](http://www.macdermidalpha.com)**

<p><b>North America</b>                  109 Corporate Blvd.                  South Plainfield, NJ 07080, USA                  1.800.367.5460</p>	<p><b>Europe</b>                  Unit 2, Genesis Business Park                  Albert Drive                  Woking, Surrey, GU21 5RW, UK                  44.01483.758400</p>	<p><b>Asia</b>                  8/F., Paul Y. Centre                  51 Hung To Road                  Kwun Tong, Kowloon, Hong Kong                  852.3190.3100</p>
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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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