

ALPHA® BC-3300

Semi-Aqueous Electronics Cleaner

DESCRIPTION

ALPHA BC-3300 is a semi-aqueous board cleaner with a superior strength solvent blend specially designed for removal of rosin, no-clean, tacky and lead-free flux, adhesives, and assembly residues from through-hole, hybrid and surface mount electronics. **ALPHA BC-3300** is easy to use and can be used as received and heated from 120 to 150 °F (49 to 66 °C). It can be applied by spray-under-immersion, immersion, ultrasonics and hand-wipe methods. A water rinse is used to remove all traces of soils and cleaner residues. Following rinsing, a hot air drying process is usually initiated.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES & BENEFITS

- Use in manual or mechanical applications
- Superior strength
- Multi-metal safe
- Safe on copper and aluminum
- Safe on ferrous and precious metals
- No HAP's
- No SARA 313's
- Low odor

APPLICATION GUIDELINES

Suggested Process Parameters:

| Process Type | Concentration Range | Temperature Range | Rinse/Dry |
|------------------------|---------------------|-----------------------------|------------------|
| Spray; Stencil (SUI) | 100% | 100 to 120 °F (38 to 49 °C) | Optional / Air |
| Immersion, Agitation | 100% | Ambient to 150 °F (66 °C) | IPA, Water / Air |
| Immersion, Soak | 100% | Ambient to 150 °F (66 °C) | IPA, Water / Air |
| Immersion, Ultrasonics | 100% | Ambient to 150 °F (66 °C) | IPA, Water / Air |
| Manual Wipe | 100% | Ambient | Air |

The above conditions are meant to be starting ranges. Process parameters may be increased or decreased as needed depending on the specific parts and soils involved. Your Alpha Applications Engineer or Sales Representative can assist you in optimizing your process parameters.

Guidelines for Successful Use

- Effective at temperatures up to 150 °F (66 °C).
- Best results are obtained when parts are completely immersed in ALPHA BC-3300.
- A water rinse is recommended to remove all traces of soil and cleaner residues.
- Dry parts with hot or circulating air.

Application Notes

Rinsing and Drying:

- A water rinse will remove all traces of cleaner residues.
- If rinsing is desired, use deionized (DI) or reverse osmosis (RO) water.

Bath Life:

Bath life studies show high loading capacity. This equates to long tank life, low maintenance costs and reduced waste generation and chemical consumption.

Maintenance Methods:

ALPHA BC-3300 is used as received. No further dilution is necessary. Most soils will be removed by dissolution. This will contaminate the bath. Once the bath becomes too dirty, it will stop cleaning. At that time, it should be replaced with fresh product.

MATERIALS COMPATIBILITY

ALPHA BC-3300 is safe for use on yellow metals including copper, bronze and brass, aluminum alloys, iron, steel and composites in addition to most precious metals, plastics and rubbers. It is safe to use with PVDF, Kalrez[®], PTFE and ceramic elastomers and filters, while it is best used in polypropylene or stainless equipment.

PHYSICAL PROPERTIES

| Category | Results | Category | Results |
|---------------------|--------------------|------------------|------------------|
| Appearance | Clear Straw Liquid | pH 100% | 9.6 to 10.4 |
| Odor | Alcohol | pH 10% | N/A |
| Specific Gravity | 1.04 to 1.06 | VOC 100% | 1034.9 g/L |
| Weight/gallon | 8.75 pounds | VP of VOC Comp. | 0.19 mmHg @20 °C |
| Flash Point °F | 180 (COC) | Water Solubility | Complete |
| Boiling Point °F/°C | 302/150 | COD 0.25% conc. | 5070 ppm |

AVAILABILITY

ALPHA BC-3300 is available commercially in 25-liter 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**

STORAGE

All ingredients in this product are TSCA listed. It is a non-flammable, non-corrosive liquid. Packaged in polyethylene containers, ALPHA BC-3300, with the seal unbroken, has a suggested shelf-life of up to five years year. Store out of direct sunlight at 40 to 100 °F (4 to 38 °C).

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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