Florida CirTech
LEADERS IN PCB TECHNOLOGY

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Technical Bulletin
HA1044 Hot Air Flux

I. Description:

HA1044 is a very low viscosity water-soluble flux formulated expressly for horizontal hot air leveling system. The viscosity is controlled to minimize de-wetting on surface mount pads and is formulated to insure first pass coverage on even difficult boards. This flux is also formulated to minimize SIR degradation associated with hot air leveling.

Benefits

1. Excellent solder cosmetics.
2. First pass coverage.
3. Non-Foaming. Easy to rinse.
4. High SIR values

II. Operation and Application

HA1044 has a high flash point combined with good water solubility. When used, this flux should not be diluted or mixed with water or other chemicals. Always rinse boards after processing because the flux remains active and will cause corrosion. DI water is recommended for rinsing.

III. Physical Properties

Specific gravity	1.07 – 1.10
Appearance	Clear-Amber liquid
pH	5% Solution (1.5 to 3.5)
Odor	Mild
Flash Point	> 550F

IV. Control Procedures

Consumption of flux is normally limited by drag out. Control specific gravity within 0.03 units. Dragging water in will lower the specific gravity and evaporation of water in flux will increase the specific gravity.

V. Analysis

Not applicable.

VI. Safety and Storage

HA1044 is acidic and should be handled with care. Avoid open flames. Do not store in direct sunlight, high temperature or below freezing.

VII. Waste Treatment

Hot Air Fluxes should not be bled into waste treatment systems-especially resin columns and filtration units. Normally, the spent flux is pH neutralized with caustic soda and sent to a hazardous materials waste handler for fuel blending. Consult with local officials for further waste disposal regulations

Please ask a Florida CirTech technical sales rep. for more information regarding waste treatment of this chemistry and our complete line of waste treatment line if additional help or information is desired.

VIII. Miscellaneous

Packaging comes in 5-gallon pails and 55-gallon drums. Consult MSDS sheet for additional information.