



QUALITEK®

830VHF Halogen Free, VOC Free, Organic Flux

DESCRIPTION

830VHF is a halogen free, VOC free, water- soluble organic flux designed to meet the most stringent cleanliness requirements. 830VHF completely eliminates the formation of water insoluble metal halides from flux residues.

BENEFITS

- Superior wetting
- Shiny joints, no hazy white film
- Minimal defects
- Exceptional water cleanability

APPLICATION METHODS

830VHF is best applied by dip, spray, or wave applications. Lower pre-heat temperatures are recommended since halogen free, organic fluxes have a lower thermal stability than most rosin fluxes. If required, flux activity may be monitored by periodic measurement of the pH. DI water is used to restore to the specified value.

PHYSICAL & CHEMICAL CHARACTERISTICS

Color and Appearance	Light Straw Liquid
Solids Content, % (By Wt.)	14.0 – 16.0
Specific Gravity	1.040 – 1.060
Flash Point	None
pH (as is)	2.0 – 3.5
% Halides	None
Flux Classification per J-STD-004	ORM0
Shelf life (un-opened)	2 years

RESIDUE REMOVAL

The flux residues of 830VHF are completely soluble in water. Neutralizing and chelating of the flux residues are not required, but may be employed in removing other process soils. Tap or soft water, when adequately removed from the assembly prior to drying, will yield cleanliness results meeting MIL-P-28809A. A final rinse with de-ionized water will ensure the complete cleanliness of PCB assemblies.

PACKAGING & STORAGE

830VHF flux is available in 1, 5 and 55 gallon containers. It should be stored in cool, dry place.

Qualitek® is a trademark of Qualitek International, Inc

TEL: (630) 628-8083 FAX: (630) 628-6543 E-MAIL: solder@qualitek.com HOME PAGE:<http://www.qualitek.com>
HEADQUARTERS: 315 Fairbank St., Addison, IL 60101 U.S.A.
WORLDWIDE BRANCHES: UNITED KINGDOM – MEXICO – CHINA – PHILLIPINES – SINGAPORE

QUALITEK INTERNATIONAL, INC. AN ISO 9002 CERTIFIED COMPANY

This data is based on information that the manufacturer believed to be reliable and offered in good faith. Qualitek International, Inc. makes no warranties expressed or implied as to its accuracy and assumes no responsibilities and liabilities arising out of its use by others as conditions and methods of use of the products is beyond the control of Qualitek International, Inc. The user must determine the suitability of the product before using it on a commercial basis. The warranties extend only to the conformity of the product to the physical descriptions. In no event will Qualitek International, Inc. be responsible for special, incidental and consequential damages whether the claim is in contract, negligence or otherwise.

Rev: 080499-830

Consult MSDS for health and safety information