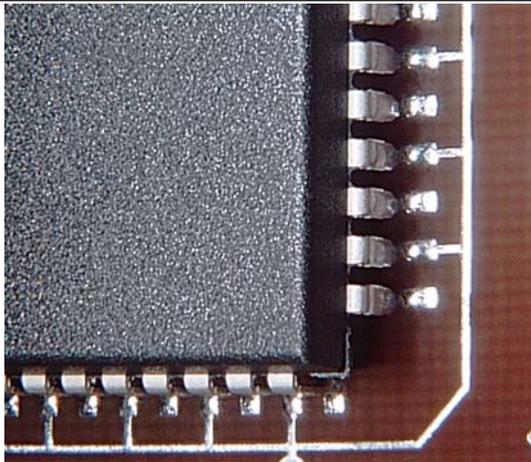


Product Bulletin



AQUANOX[®] A4651US

Low pH Ultrasonic Immersion Cleaner



AQUANOX[®] A4651US is a low pH aqueous cleaning solution designed exclusively for use in ultrasonic immersion cleaning systems. This easy to use product provides exceptional cleaning on all of the latest flux formulations. A4651US will provide brilliant solder joints with no sump side additives and consistent cleaning results with minimal bath monitoring. AQUANOX[®] A4651US is multi metal safe including aluminum and copper.

Typical Physical and Chemical Properties:

pH 100%	10.4	VOC, @ 100%	551.2 g/L
Flash Point, °F/°C	None to Boiling	Boiling Point, °F/°C	209°F~99°C
VP of VOC Comp.	0.17 mmHg at 20 °C	Water Solubility	Complete

Recommended Process:

- Operating concentration: <25% **Eutectic** <30% **Lead-Free**
- Optimum temperature: <150°F~66°C
- Recommend hot DI water rinse
- Hot air dry

The above conditions are recommendations based on extensive testing done in Kyzen's Application Lab. Your Kyzen Sales Representative can assist you in optimizing your process parameters.

Availability:

AQUANOX[®] A4651US is available in one (1) gallon, five (5) gallon and 55 gallon containers.



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Compatibility:

AQUANOX[®] A4651USUS has proven compatible with all materials commonly used in electronic assembly manufacturing and cleaning processes. For specific compatibility information, please contact your Kyzen representative.

Environmental, Health and Safety:

AQUANOX[®] A4651US is a non-hazardous, biodegradable aqueous solution. It contains no CFC's or HAP's.

Refer to the Material Safety Data Sheet for more information.

Storage and Handling:

All ingredients in this product are TSCA listed. It is a non-flammable, non-corrosive liquid and can ship via ground, ocean or air.

Packaged in polyethylene containers, AQUANOX[®] A4651US, with the seal unbroken, has a suggested shelf-life of five (5) years from date of manufacture in containers of five (5) gallons or more.

The Kyzen Applications Laboratory has evaluated AQUANOX[®] A4651US for effective removal of nearly 300 soldering materials from the worlds leading suppliers including, Senju, Alpha, Kester, Indium, Aim, Koki, Nihon Superior, Amtech, Cobar, EFD, Florida Cirtech, Formosa, Heraeus, Interflux, Metallic Resource, Multicore, Promosol, Qualitek, Shenmao.



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