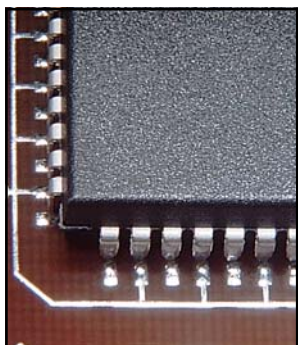


# AQUANOX® A4651US

## *Low pH Ultrasonic Immersion Cleaner*

Aquanox® A4651US is a low pH aqueous cleaning solution designed exclusively for use in ultrasonic immersion cleaning systems. A4651US will provide brilliant solder joints with no sump side additives and cleans exceptionally well on the latest flux formulations.



- **Effective on All Flux Types**
- **Produces Mirrored Solder Joints**
- **Consistent Successful Cleaning Results with Minimal Bath Monitoring**
- **Multi Metal Safe including Aluminum and Copper**
- **Easy to use with a Low pH**

PRODUCT PROPERTIES	
<b>pH (10 g/L)</b>	9.7
<b>Flash Point</b>	None to Boiling
<b>Boiling Point</b>	209°F ~ 99°C
<b>Water Soluble</b>	Complete
<b>VOC, @10%</b>	55.1 g/L

TYPICAL PROCESSES	
<b>Application</b>	Ultrasonic
<b>Operating Concentration</b>	Eutectic <25% Lead Free <30%
<b>Temperature</b>	<150°F ~ 66°C
<b>Rinse</b>	Hot DI Water
<b>Dry</b>	Hot Air

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

## ENVIRONMENTAL, HEALTH AND SAFETY REGULATIONS

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.

Kyzen is an ISO 9001:2008 company.



**Aqueous, Semi-Aqueous and Vapor Phase Chemistries  
Process Evaluation and Optimization • Contract Cleaning  
Cleanliness Testing • Soil Analysis**



# AQUANOX<sup>®</sup> A4651US

## Low pH Ultrasonic Immersion Cleaner

### COMPATIBILITY

Aquanox<sup>®</sup> A4651US has proven compatible with all materials commonly used in electronic assembly manufacturing and cleaning processes. For specific compatibility information, please contact your Kyzen representative.

#### STORAGE AND HANDLING

- Packaged in Polyethylene Containers
- Store at 5-30°C/41-86°F in Original Container
- Standard Chemical Handling Practices Required
- Shelf Life of 5 Years, in Sealed Containers of 5 gallons / 25 liters or More

#### AVAILABILITY

- 1 Gallon/5 Liters\*
- 5 Gallons/25 Liters\*
- 55 Gallons/200 Liters\*

\* Liters available in Asia and Europe

### Free Cleaning Trials and Process Optimizations



Kyzen will conduct free trials at your factory or one of our global Applications Laboratories in North America, Asia or Europe. Our engineers and lab technicians have developed, optimized and evaluated thousands of customer cleaning processes over the last twenty years. Kyzen's Applications Labs are unrivaled in the industry and staffed with experts that have an average of thirty years technical experience.



**KYZEN**

[www.kyzen.com](http://www.kyzen.com)

Each laboratory is fully equipped with an extensive array of cleaning and analytical equipment, including, but not limited to:

- Batch Washers
- In-Line Washers
- Ultrasonic / SUI Systems
- Stencil Washers
- Vapor Degreasers
- GC (TCD and FID)
- Ion Chromatography
- FTIR Spectrophotometer
- Humidity Chamber

The data contained herein is based on information currently available to Kyzen and is believed to be factual and the opinions expressed to be that of qualified experts, however, the data is not to be taken as a warranty or representative for which Kyzen assumes legal or financial responsibility. Kyzen<sup>®</sup> and Aquanox<sup>®</sup> are registered trade names of Kyzen Corporation in the United States and other countries. 052212

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