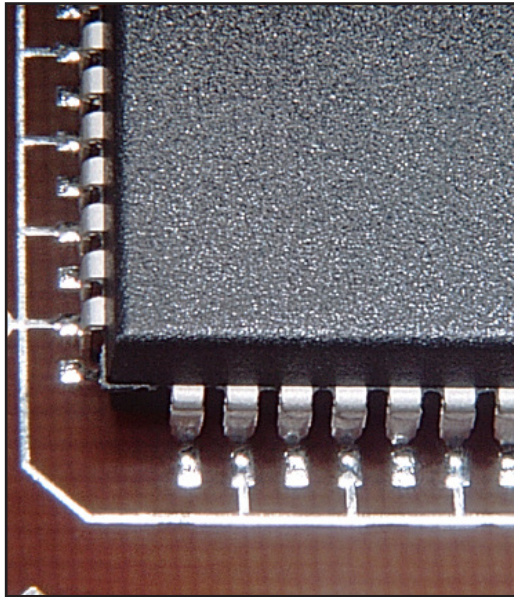


# AQUANOX® A4651US

## Low pH Ultrasonic Immersion Cleaner

AQUANOX A4651US is a low pH aqueous cleaning solution designed exclusively for use in ultrasonic immersion cleaning systems. A4651US provides 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 (10g/L)</b>	9.7
<b>FLASH POINT</b>	None to Boiling
<b>BOILING POINT</b>	210°F / 99°C
<b>WATER SOLUBLE</b>	Complete
<b>VOC, @ 10%</b>	55.1 g/L

### TYPICAL PROCESSES

<b>APPLICATION</b>	Ultrasonic
<b>CONCENTRATION</b>	SnPb Alloys ≤25% Pb-Free Alloys ≤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 sales representative can assist you in optimizing your process parameters.*

### STORAGE AND HANDLING

- Packaged in Polyethylene Containers
- Store at 5-30°C/41-86°F in Original Container
- Standard Chemical Handling Practices
- 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 South Asia and Europe

# AQUANOX® A4651US

Low pH Ultrasonic Immersion Cleaner



## ENVIRONMENTAL, HEALTH AND SAFETY REGULATIONS

AQUANOX A4651US is a non-hazardous, biodegradable aqueous solution. It contains no CFCs or HAPs. Refer to the Safety Data Sheet for more information.

**REACH** ✓ KYZEN is an ISO 9001:2015 Certified Company

## COMPATIBILITY

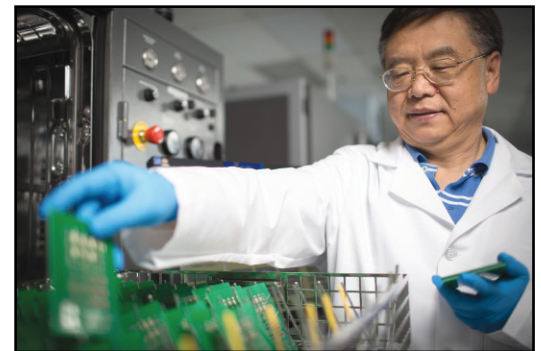
AQUANOX A4651US is compatible with all materials commonly used in electronic assembly manufacturing and cleaning processes. For specific compatibility information, please contact your KYZEN representative.

## FREE CLEANING TRIALS AND PROCESS OPTIMIZATIONS

KYZEN will conduct complimentary trials at your factory or "risk-free" testing in one of our global applications laboratories in North America, Asia or Europe to ensure you achieve your goal. Increase your yields and product reliability by identifying and tuning the critical parameters of your cleaning process. With our commitment to science and understanding process, KYZEN has the flexibility to simulate and refine any cleaning process.

*Each laboratory is fully equipped with an extensive array of cleaning and analytical equipment including:*

- Batch Washers
- In-Line Washers
- Ultrasonic Systems
- SUI Systems
- Vapor Degreasers
- GC (TCD and FID)
- Scanning Electron Microscope (SEM)
- Ion Chromatography
- FTIR Spectrophotometer
- Humidity Chamber
- High Powered Microscopes



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

Penang, Malaysia  
SOUTHEAST ASIAN HEADQUARTERS  
+60 4 630 3000

Aalter, Belgium  
EUROPEAN HEADQUARTERS  
+32 50 395 374

KYZEN.com  
Nashville, TN  
GLOBAL HEADQUARTERS  
+1 615 831 0888

Manchester, NH  
NORTH AMERICAN OPERATIONS FACILITY  
+1 603 622 2900

Shanghai, China  
CHINA OPERATIONS FACILITY  
+86 21 5998 7189

The information contained herein is based on available data from reliable sources and is accurate to the best of KYZEN Corporation's knowledge at the time of this publication. The user is solely responsible for determining the suitability and completeness of such information for their particular application and for adopting appropriate safety precautions. This data is not to be taken as a warranty or representation for which KYZEN assumes legal or financial responsibility. 100617