

# AQUANOX<sup>®</sup> A4639

## Electronic Assembly Aqueous Solution

Aquanox<sup>®</sup> A4639 is an engineered aqueous cleaning fluid that is effective on a wide range of soils at low operating temperatures and concentrations. Aquanox<sup>®</sup> A4639 provides exceptional cleaning results and protection of metallic surfaces with minimal monitoring and no sump-side additives.



- **Easy to control**
- **Protects Solder Joints from Chemical Attack**
- **Use at Low Concentrations**
- **Effective on B-Side Misprints**
- **No Sump-Side Additives Needed**

### PRODUCT PROPERTIES

<b>pH (10 g/L)</b>	10
<b>Flash Point</b>	None to Boiling
<b>Boiling Point</b>	214°F ~ 101°C
<b>Water Soluble</b>	Complete
<b>VOC @10%</b>	61.5 g/L

### TYPICAL PROCESSES

<b>Application</b>	Spray in Air Batch
<b>Operating Concentration</b>	< 15%
<b>Temperature</b>	< 150°F ~ 65°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<sup>®</sup> A4639 is a 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**

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## Advanced Packaging Cleaning Chemistry

### COMPATIBILITY

Aquanox® A4639 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 Gallons
- 55 Gallons
- 5 Liters\*
- 25 Liters\*
- 200 Liters\*

\*Liters Available in South 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
- High Powered Hirox Microscopes

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**Global Headquarters (Nashville, USA): Tel: +1-615-831-0888**

**EU (Belgium): Tel: +32 50 395 374 • Asia (Malaysia): Tel: +60 4 630 3000**