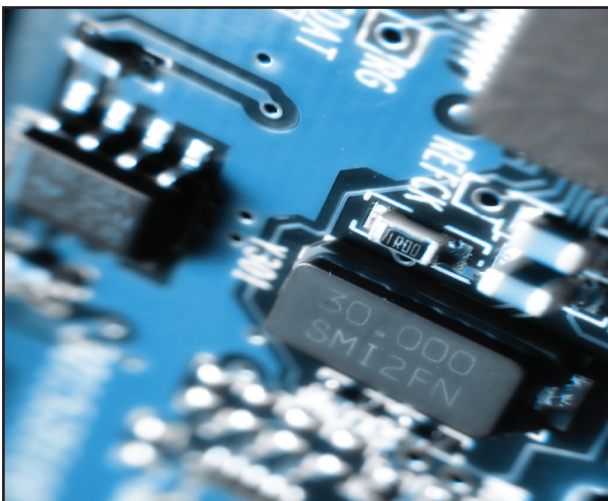


# AQUANOX® A4618

## Aqueous In-Line Cleaning Solution

AQUANOX A4618 is a versatile and highly dispersive aqueous cleaning chemistry designed to clean the latest lead-free flux residues while providing exceptional, mirrored solder finishes. A4618 is easy to use, environmentally friendly, has an adjusted stabilizer package, a long tank life, and is safe for multi-pass applications.



- **Efficient on All Flux Types Including No-Clean and Pb-Free Residues**
- **An Eco-Friendly, Low VOC Solution**
- **Low Cost of Ownership**
- **Exceptional Materials Compatibility**
- **Successful at Low Concentrations and Temperatures**

### PRODUCT PROPERTIES

<b>pH (10g/L)</b>	9.8
<b>FLASH POINT</b>	>220°F / >104°C
<b>BOILING POINT</b>	315°F / 157°C
<b>WATER SOLUBLE</b>	Partial
<b>VOC, @ 10%</b>	91.6 g/L

### TYPICAL PROCESSES

<b>APPLICATION</b>	Spray
<b>CONCENTRATION</b>	Up to 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 sales representative can assist you in optimizing your process parameters.*

### STORAGE AND HANDLING

- Packaged in Polyethylene Containers
- Store at 5-50°C/41-122°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 | • 208 Liters* |

\* Liters Available in South Asia and Europe

# AQUANOX® A4618

Aqueous In-Line Cleaning Solution



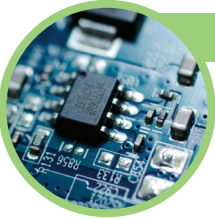
## ENVIRONMENTAL, HEALTH AND SAFETY REGULATIONS



AQUANOX A4618 is RoHS compliant and Halogen-free in accordance with RoHS Directive (EU) 2015/863 and EN 14582:2016. A4618 has a negligible global warming potential, is not regulated as an Ozone Depleting Chemical in the United States and is not listed as a Hazardous Air Pollutant. Refer to the Safety Data Sheet for more information.

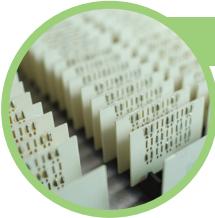
**REACH** ✓ KYZEN is an ISO 9001:2015 Certified Company

## COMPATIBILITY



AQUANOX A4618 is engineered to be compatible with leading cleaning systems and with all materials commonly used in electronic assembly manufacturing and cleaning processes. For specific compatibility information, please contact your KYZEN representative.

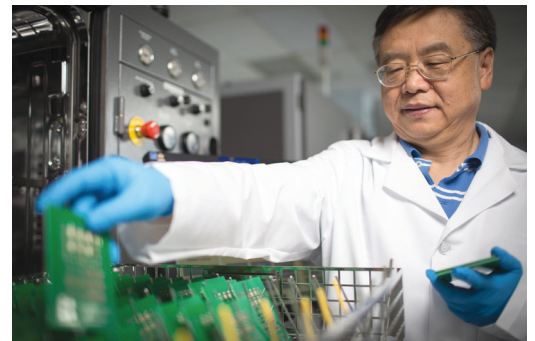
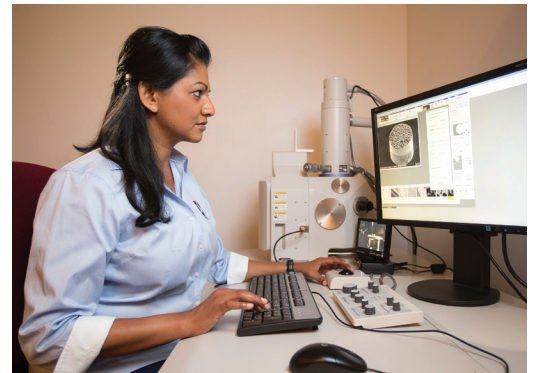
## FREE CLEANING TRIALS AND PROCESS OPTIMIZATIONS



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

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