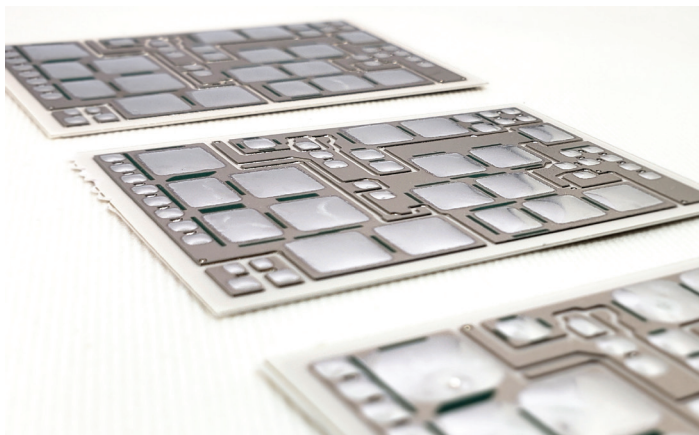


MICRONOX® MX2123

Multi-Process Power Module Cleaner

MICRONOX MX2123 is an aqueous, multi-phase and well-balanced chemistry designed to remove flux residues from all types of IGBT module devices that utilize a mix of copper, silver and nickel DBC as substrates, as well as PCBs. With well-balanced formula, MX2123 leaves great surface conditions and removes slight metal oxidation from base metals for post wire bond and potting processes. It is effective at low temperature, low concentration and easily monitored in in-line SIA cleaning system or Ultrasonic Immersion cleaning system.



- **Designed for IGBT Modules and PCBs in SIA and U/S applications**
- **Excellent Silver and Copper Compatibility**
- **Effective on No-Clean flux residues and light oxidation removal**
- **Excellent post wire bonding results**

PRODUCT PROPERTIES	
pH (10g/L)	8.9
FLASH POINT	None to Boiling
BOILING POINT	233°F / 112°C
WATER SOLUBLE	Partial
VOC, @ 10%	83.2 g/L

TYPICAL PROCESSES	
APPLICATION	Spray-in-Air/Ultrasonic
CONCENTRATION	15-25%
TEMPERATURE	100-145°F / 40-55°C
RINSE	Ambient
DRY	Ambient

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	

MICRONOX MX2123

Multi-Process Power Module Cleaner



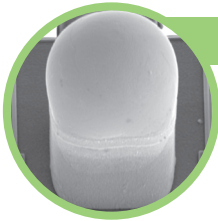
ENVIRONMENTAL, HEALTH AND SAFETY REGULATIONS



MICRONOX MX2123 is RoHS compliant and Halogen-free in accordance with RoHS Directive (EU) 2015/863 and EN 14582:2016. MX2123 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.

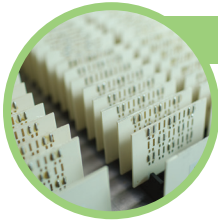
REACH ✓ KYZEN is an ISO 9001:2015 Certified Company

COMPATIBILITY



MICRONOX MX2123 is engineered to be compatible with leading cleaning systems and all materials commonly used in advanced packaging and electronic assembly manufacturing and cleaning processes. For specific compatibility information, please contact your KYZEN representative.

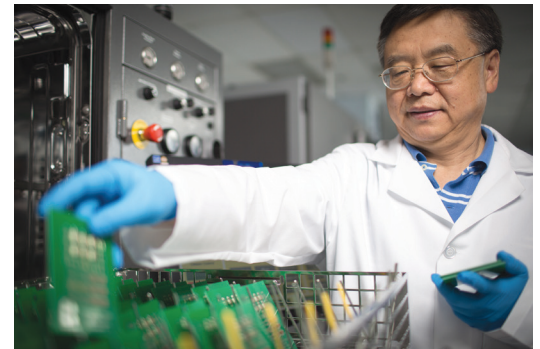
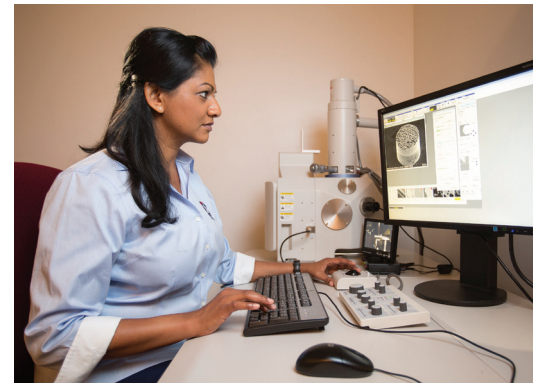
FREE CLEANING TRIALS AND PROCESS OPTIMIZATIONS



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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