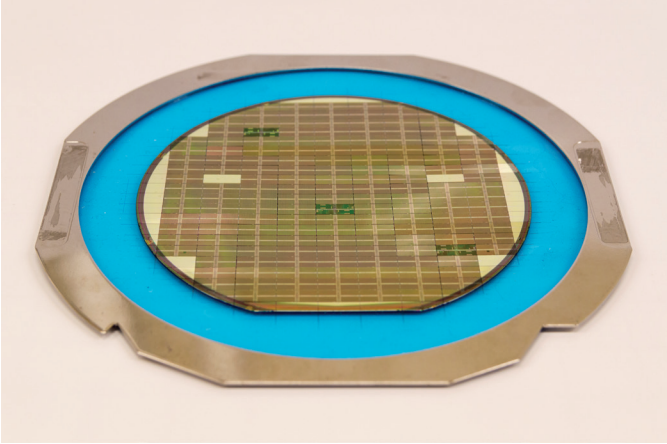
KYZEN
Where Science and Care Converge.

PRODUCT BULLETIN

MICRONOX® MX2180

Aqueous Cleaning Agent for Tape Residue

MICRONOX MX2180 is designed to remove minor residual pressure sensitive adhesives (PSA) from UV and blue tapes post wafer grinding and wafer dicing processes. MX2180 is effective in ultrasonic and spray in air systems with low concentration. MICRONOX MX2180 provides excellent compatibility with a broad range of materials such as silicone/glass base substrates, passivation layers and all types of solder joints.



- **Effective on Common PSA Residues**
- **Effective in Ultrasonic/SIA Systems**
- **Superior Material Compatibility**
- **Easy to Rinse**

PRODUCT PROPERTIES	
pH (10g/L)	10.7
FLASH POINT	None to Boiling
BOILING POINT	>208°F/>98°C
WATER SOLUBLE	Complete
VOC, @ 10%	0.0 g/L

TYPICAL PROCESSES	
APPLICATION	Ultrasonic & Spray
CONCENTRATION	<30%
TEMPERATURE	123-158°F/50-70°C
RINSE	DI Water
DRY	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 Gallons
- 55 Gallons
- 5 Liters*
- 25 Liters*
- 208 Liters*

* Liters Available in South Asia and Europe

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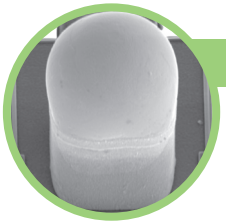
ENVIRONMENTAL, HEALTH AND SAFETY REGULATIONS

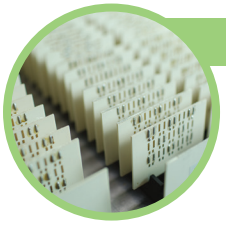
MICRONOX MX2180 is RoHs compliant and Halogen-free in accordance with RoHS Directive (EU) 2015/863 and EN 14582:2016. MX2180 has a negligible global warming potential, is not regulated as an Ozone Depleting Chemical in the United States, and is not listed as a Hazardous Air Pollutant. Refer to the Safety Data Sheet for more information.

REACH ✓ KYZEN is an ISO 9001:2015 company.



COMPATIBILITY

MICRONOX MX2180 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.

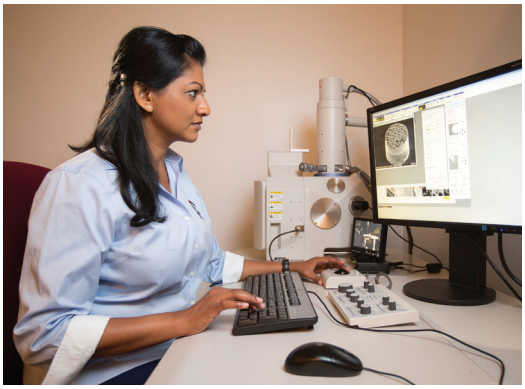


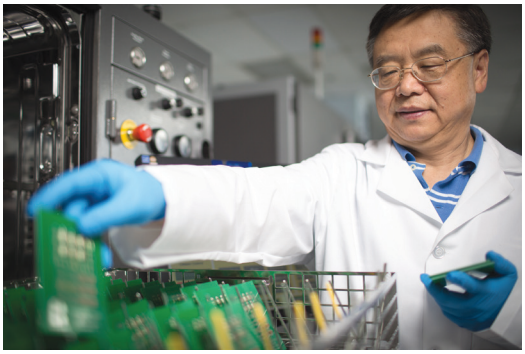
FREE CLEANING TRIALS AND PROCESS OPTIMIZATIONS

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

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