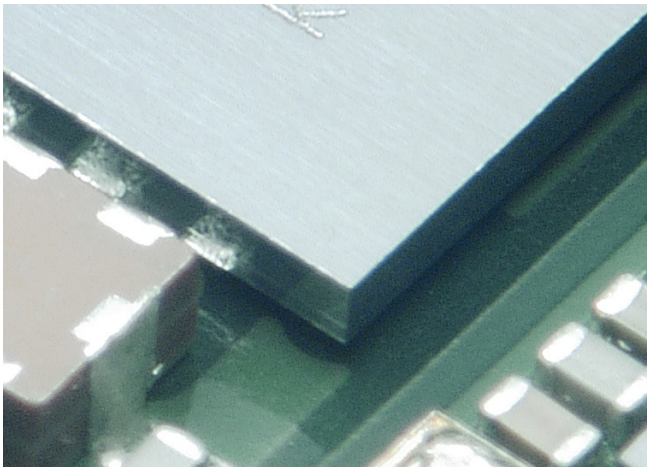
KYZEN
Where Science and Care Converge.

PRODUCT BULLETIN

IONOX® I3302

Broad Spectrum Electronics Cleaner

IONOX I3302 is a semi-aqueous cleaning agent designed for cleaning the most challenging SMT Pb-free solder paste and tack flux paste residues. This solution is also safe and effective for use on the newest Sn/Bi solder paste formulas. I3302 is environmentally friendly and can be used in immersion agitation, ultrasonic or centrifugal systems. I3302 is effective for the removal of virtually all types of fluxes including rosin, low residue/no-clean and organic acid flux.



- **Successful in Immersion Applications**
- **Effectively Removes a Wide Range of Soils**
- **Compatible with Most Materials of Construction and Metallic Alloys**
- **Complete Water Solibility**
- **Rinse with DI Water or IPA**
- **Long Bath Life**

PRODUCT PROPERTIES

pH	N/A (Solvent-Based)
FLASH POINT	180°F / 82°C
BOILING POINT	302°F / 150°C
WATER SOLUBLE	Complete
VOC @ 100%	1035 g/L

TYPICAL PROCESSES

APPLICATION	Immersion
CONCENTRATION	100%
TEMPERATURE	<140°F / 60°C
RINSE	Hot DI Water Rinse
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

IONOX® I3302

Broad Spectrum Electronics Cleaner

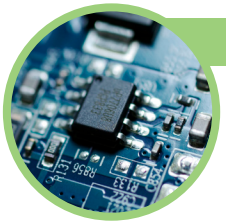
KYZEN
Where Science and Care Converge.



ENVIRONMENTAL, HEALTH AND SAFETY REGULATIONS

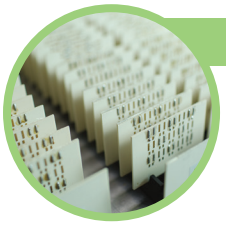
IONOX I3302 is RoHs compliant and Halogen-free in accordance with RoHS Directive (EU) 2015/863 and EN 14582:2016. IONOX I3302 has a negligible global warming potential, is not regulated as an Ozone Depleting Chemical in the United States and is not listed as a Hazardous Air Pollutant. Refer to the Safety Data Sheet for more information.

REACH ✓ KYZEN is an ISO 9001:2015 Certified Company



COMPATIBILITY

IONOX I3302 is compatible with all materials commonly used in electronic assembly manufacturing and cleaning processes. For specific compatibility information, please contact your KYZEN representative.

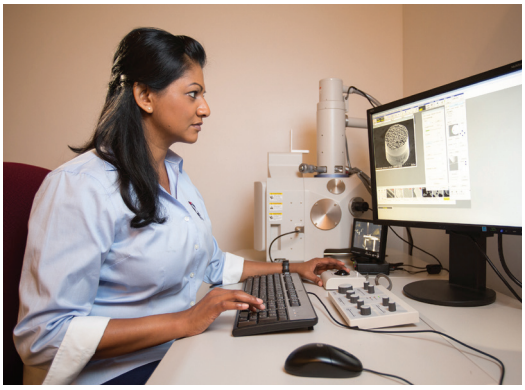


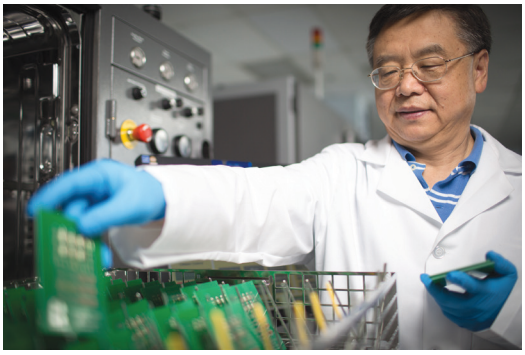
FREE CLEANING TRIALS AND PROCESS OPTIMIZATIONS

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

KYZEN.com

Penang, Malaysia
SOUTHEAST ASIAN HEADQUARTERS
+60 4 630 3000

Aalter, Belgium
EUROPEAN HEADQUARTERS
+32 50 395 374

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. 011626

COPYRIGHT © KYZEN CORPORATION 2025. ALL RIGHTS RESERVED.