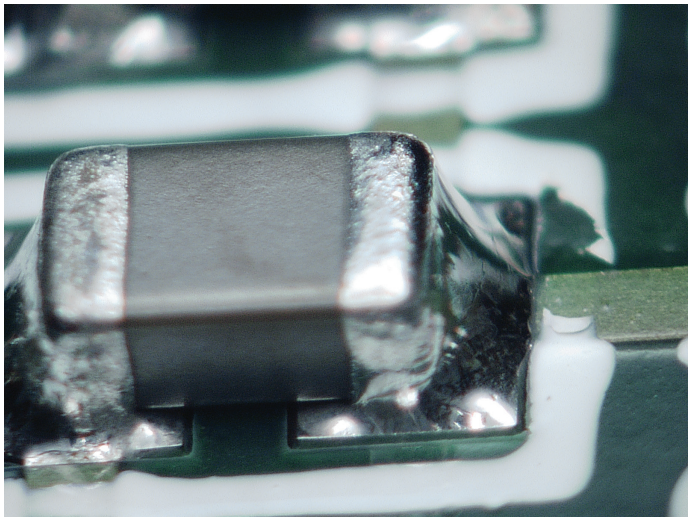
KYZEN
Where Science and Care Converge.

PRODUCT BULLETIN

KYZEN® DS3522

DuoSolvent™ Cleaning Agent

KYZEN DS3522 is a broad spectrum cleaning agent developed for KYZEN's DuoSolvent process that cleans a wide variety of parts and soils in a process that uses no water. DS3522 is effective for the removal of virtually all types of fluxes including rosin, low residue/no-clean and organic acid flux. This is a two stage cleaning process consisting of cleaning the part with KYZEN DS3522 and then rinsing with select vapor degreasing solvents such as KYZEN DS3922.



- **Compatible with All Soldering Materials & Metal Layers**
- **Proven Successful on Densely Populated Assemblies**
- **Highly Effective on Fluxes, Oils, Greases and Particulate Matter**
- **Extended Bath Life**
- **Patent Pending Auto-Recovery Process to Recover Rinsing Agent (Greater than 98%)**

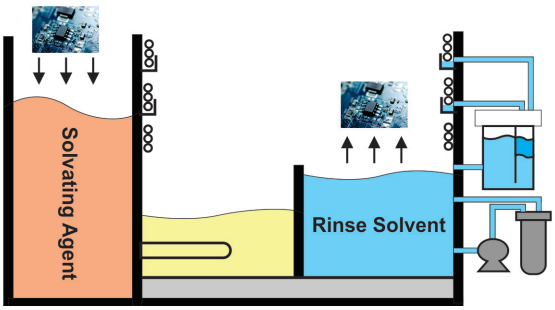
PRODUCT PROPERTIES

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

TYPICAL PROCESSES

APPLICATION	Immersion, Spray or Ultrasonic

The above process parameters are recommendations based on extensive testing done in KYZEN's application lab. Your KYZEN sales epresentative 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

KYZEN DS3522 is RoHs compliant and Halogen-free in accordance with RoHS Directive (EU) 2015/863 and EN 14582:2016. DS3522 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

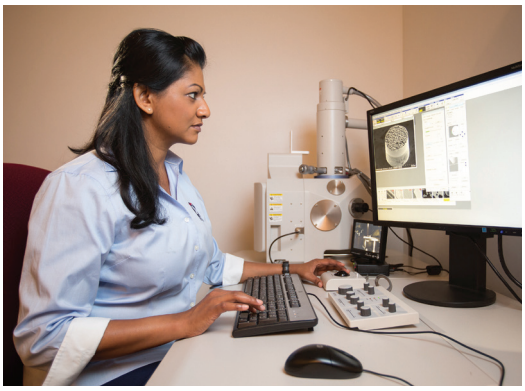
KYZEN DS3522 is compatible with all materials commonly used in electronic assembly manufacturing and cleaning processes. For specific compatibility information, please contact your KYZEN representative.

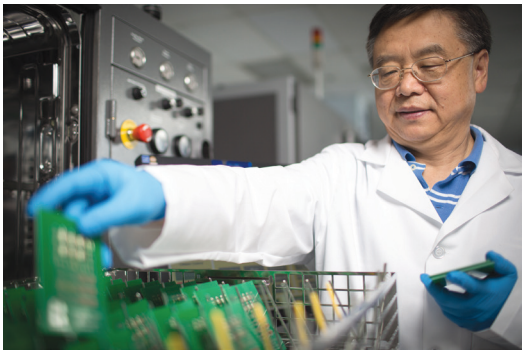
FREE CLEANING TRIALS AND PROCESS OPTIMIZATIONS

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

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