

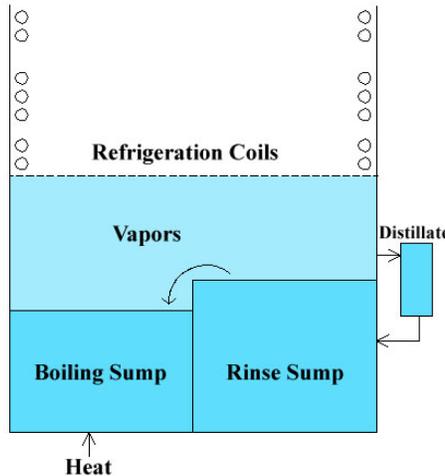
PRODUCT BULLETIN

MICRONOX® MX2501 Engineered Vapor Cleaning Solvent for Electronics

FEATURES & BENEFITS

- PATENTED TECHNOLOGY
- NO HAP'S
- NO CFC'S
- NON-FLAMMABLE
- NON-CORROSIVE
- LONG BATH LIFE
- COST EFFECTIVE
- FAST AND EFFECTIVE
- DROP-IN REPLACEMENT
- MEETS ASTM D-6368
- REMOVES TACKY FLUX
- REMOVES LOW SOLIDS FLUX
- REMOVES OILS
- REMOVES GREASES
- REMOVES WAXES
- REMOVES ADHESIVES
- EASY TO USE

MICRONOX MX2501 is an engineered precision vapor cleaning solvent designed for use in standard vapor degreasing equipment as a drop-in replacement for "CFC's". Easy to use, MX2501 is applied as received for the removal of typical soils including rosin flux, some no-clean flux, wax, finger prints and oils from electronic assemblies where there are low stand-off surface mounts and micro BGA's.



TYPICAL SOILS

- ROSIN FLUX
- SOME NO CLEAN FLUX
- SHOP DIRT
- FINGER PRINTS
- WAX
- OILS

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Clear colorless liquid	pH 100%	NA
Odor	Characteristic	Specific Gravity	1.265-1.285
Boiling Point, °F/°C	111/44	VOC, 100%	878.5 g/L
Weight/gallon	10.62#	VP of VOC Comp.	225 mmHg at 20 °C
Flash Point, °F/°C	None to boiling	Water Solubility	Negligible

SUGGESTED PROCESS PARAMETERS:

<u>Process Type</u>	<u>Concentration Range</u>	<u>Temperature Range</u>	<u>Rinse/Dry</u>
Spray; In-line	Not recommended		
Spray; Batch	Not recommended		
Immersion, Agitation	Not recommended		
Vapor Degreaser	100%	110-120 °F	MX2501 /Air
Manual Wipe	100%	ambient	optional

The above conditions are meant to be starting ranges. Process parameters may be increased or decreased as needed depending on the specific parts and soils involved. Your Kyzen Sales Representative can assist you in optimizing your process parameters.

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MICRONOX MX2501

ENGINEERED PRECISION VAPOR CLEANING SOLVENT FOR ELECTRONICS

COMPATIBILITY:

MICRONOX MX2501 is multi-metal safe for use on yellow metals including copper, bronze and brass, aluminum, iron, steel and composites in addition to most precious metals, and some plastics and rubbers. It is safe to use with PVDF, Kalrez®, Teflon and ceramic elastomers and filters, while it is best used in stainless equipment.

HINTS FOR SUCCESSFUL USE:

- Performance is optimum at 110-120°F.
- Monitor the sumps on a routine and regular basis to insure the bath is in good operating condition.
- Make sure parts are exposed an adequate amount of time for complete cleaning. Typical process times include 1-20 minutes soaking in the boil tank , followed by 2-10 minutes immersion in the rinse tank., and finally 2-3 minutes in the vapor zone for drying.
- Withdraw parts at a rate acceptable to allow adequate drying.

BATH LIFE:

Bath life studies show high loading capacity. This equates to long tank life, low maintenance costs and reduced waste generation and chemical consumption.

MAINTENANCE METHODS:

MICRONOX MX2501 should be monitored and maintained on a routine and regular basis depending on tank use. Your Kyzen Representative can assist you with this.

ENVIRONMENTAL, HEALTH AND SAFETY:

MICRONOX MX2501 is a non-flammable, non-corrosive fluorinated solvent with 878.5 g/L VOC at 100%. It contains no CFC's or HAP's. Refer to the Material Safety Data Sheet for more information.

STORAGE AND HANDLING:

All ingredients in this product are TSCA listed. It is a non-flammable, non-corrosive liquid. Packaged in polyethylene containers, MICRONOX MX2501, with the seal unbroken, has a suggested shelf-life of one year. Store out of direct sunlight at 40-100°F.

AVAILABILITY:

MICRONOX MX2501 is available commercially in one (1) gallon, five (5) gallon and 55 gallon containers.

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