

PRODUCT BULLETIN

IONOX® I3400

Solvent Electronics Cleaner

FEATURES & BENEFITS

- HEAVY-DUTY
- MULTI-METAL SAFE
- SAFE ON COPPER AND ALUMINUM
- SAFE ON FERROUS AND PRECIOUS METALS
- NO HAP'S
- NO CFC'S
- NO SARA 313'S
- FAST DRYING
- LEAVES NO RESIDUE
- LOW ODOR
- USE IN MANUAL OR MECHANICAL APPLICATIONS

IONOX I3400 is an aliphatic solvent blend specially designed for heavy-duty cleaning of electronics components while being safe to use on most metals, plastics, rubbers, glass and ceramics. Easy to use, I3400 is used as received and at ambient temperature. It can be applied by immersion, hand-wipe or coarse spray methods. Rinsing is not required.



TYPICAL SOILS

- MACHINING OILS
- DRAWING OILS
- GREASE AND WAX
- FLUX AND PASTE
- FINGER PRINTS
- SHOP DIRT
- UNCURED ADHESIVES
- RUST PREVENTATIVES

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Clear colorless liquid	pH 100%	Not applicable
Odor	Mild hydrocarbon	pH 10%	Not applicable
Specific Gravity	0.76	VOC, 100%	753.8 g/L
Weight/gallon	6.34#	VP of VOC Comp.	1.00 mmHg at 20 °C
Flash Point, °F	142	Water Solubility	No
Boiling Point, °F	325-335		

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; Stencil	100%	ambient	Air
Immersion, Agitation	100%	ambient	Air
Immersion, Soak	100%	ambient	Air
Immersion, Ultrasonics	Not recommended		
Manual Wipe	100%	ambient	Air

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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IONOX I3400

ELECTRONICS SOLVENT

COMPATIBILITY:

IONOX I3400 is safe for use on yellow metals including copper, bronze and brass, aluminum alloys, iron, steel and composites in addition to most precious metals, plastics and rubbers. It is safe to use with PVDF, Kalrez®, Teflon and ceramic elastomers and filters, while it is best used in polypropylene or stainless equipment.

HINTS FOR SUCCESSFUL USE:

- Effective at ambient temperatures.
- Best results are obtained when parts are completely immersed in I3400.
- All cleaner residue will evaporate.
- Dry parts with warm or circulating air.

RINSING AND DRYING:

- No rinsing is generally required with this product.
- If rinsing is desired, use IONOX I3400

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:

IONOX I3400 is used as received. No further dilution is necessary. Most soils will be removed by dissolution. This will contaminate the bath. Once the bath becomes too dirty, it will stop cleaning. At that time it should be replaced with fresh product.

ENVIRONMENTAL, HEALTH AND SAFETY:

IONOX I3400 is a combustible, non-corrosive solvent with 754 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 combustible, non-corrosive liquid. Packaged in polyethylene containers, IONOX I3400, with the seal unbroken, has a suggested shelf-life of one year. Store out of direct sunlight at 40-100° F.

AVAILABILITY:

IONOX I3400 is available commercially in one (1) gallon, five (5) gallon and 55 gallon containers.

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