

PRODUCT BULLETIN

IONOX® BC

Semi-Aqueous 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 BC is a semi-aqueous solvent blend specially designed for heavy-duty cleaning of soldering fluxes and assembly residues while being safe to use on most metals, plastics, rubbers, glass and ceramics. Easy to use, IONOX BC is used as received and heated up to 130°F. It can be applied by immersion, hand-wipe or coarse spray methods. A water rinse is optional. The product dries residue-free.



TYPICAL SOILS

- OILS
- GREASE AND WAX
- FLUX
- PASTE
- FINGER PRINTS
- SHOP DIRT
- UNCURED ADHESIVES
- ASSEMBLY RESIDUES

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Clear amber liquid	pH 100%	Not applicable
Odor	Alcohol	pH 10%	Not applicable
Specific Gravity	1.030-1.050	VOC, 100%	1039/L
Weight/gallon	8.67#	VP of VOC Comp.	0.18 mmHg at 20 °C
Flash Point, °F	162 (TCC)	Water Solubility	Complete
Boiling Point, °F/C	347/175		

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 to 130°F	Water/ Air
Immersion, Agitation	100%	ambient to 130°F	Water/Air
Immersion, Soak	100%	ambient to 130°F	Water/ Air
Immersion, Ultrasonics	100%	ambient to 130°F	Water/ Air
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.

430 Harding Industrial Drive
Nashville, TN 37211

Phone: 800 845 5524

Fax: 615 831 0889



KYZEN
CORPORATION

www.kyzen.com

IONOX BC

SEMI-AQUEOUS ELECTRONICS SOLVENT

COMPATIBILITY:

IONOX BC 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 temperatures up to 130°F.
- Best results are obtained when parts are completely immersed in BC.
- 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 BC

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 BC 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 BC is a combustible, non-corrosive solvent with 1039 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 BC, with the seal unbroken, has a suggested shelf-life of one year. Store out of direct sunlight at 40-100°F.

AVAILABILITY:

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

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KYZEN
CORPORATION

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