

Cleaning Chemicals



Vitrex CA

All Temperature Electronics Cleaner / Defluxer

KEY BENEFITS

- Ultra-Low VOC
- Bright Mirrored Solder Joints
- All Temperature
- Works on All Flux Residue Types, Even Pb-Free
- Low Concentration
- Long Bath Life
- Very Low Odor
- Non Flammable
- Environmentally Safe

PROCESSES

- Non Flammable
- Very Low Odor
- Aqueous In-Line Spray-In-Air
- Compatible with:
Aqueous Batch Spray-In-Air
Immersion
Centrifugal
Ultrasonics
Manual



Vitrex-CA is a specially designed low-VOC, MEA-free aqueous blend designed for optimum performance on reflowed solder pastes (no-clean, rosin, lead-free), tacky fluxes, and uncured adhesives. Unlike other chemistries that produce dull solder joints, Vitrex-CA produces exceptionally brilliant (shiny) surfaces. Vitrex-CA is an “all temperature” product, providing effective cleaning results at operating temperatures between 110°F–160°F (43°C - 71°C). Vitrex-CA is a non-flammable,

low VOC, low-foam, non-corrosive chemical. Vitrex-CA is extremely cost effective with no sump-side additives required and a long bath life.

Vitrex CA is multi-metal safe for use on yellow metals, aluminum, ferrous and composites in addition to most precious metals. It is safe to use with EPDM, PVDF, Kalrez[®], Teflon and ceramic elastomers and filters, while it is best used in polypropylene or stainless steel equipment.

SUGGESTIONS FOR SUCCESSFUL OPERATION

- Effective at all-temperatures, performance is optimum at 115-140°F.
- For a mirror finish on your solder bumps, rinse with deionized (DI) or reverse osmosis (RO) water.
- Dry parts with hot or circulating air.
- Concentration, temperature and time should be optimized for the parts and equipment involved.
- Lead-free and high temp. re-flow soils may require higher concentrations for optimum effectiveness.
- Use deionized (DI) or reverse osmosis (RO) water to minimize dendritic growth.
- Keep rinses fresh, monitoring by conductivity or resistivity. Recycle.
- Inspect nozzles and equipment regularly. Repair and maintain as needed.

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

Vitrex CA concentration should be monitored and maintained on a routine and regular basis depending on tank use. Best results are obtained with a digital refractometer available from Aqueous Technologies.

ENVIRONMENTAL HEALTH AND SAFETY

Vitrex CA is a biodegradable aqueous solution with less than 25 g/L VOC at 13%. It contains no CFC's or HAP's. It is non-flammable and non-corrosive. Refer to the Material Safety Data Sheet for more information.

AVAILABILITY

VITREX CA is available commercially in five (5) gallon and 55 gallon containers.