

# 5252M Cleaner

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## Product Description

Kester 5252M is a halogen-free organic solvent developed for cleaning applications. 5252M is not ozone depleting and is environmentally friendly. It is a suitable substitute for chlorinated solvents used in cleaning applications where fast air drying is critical.

5252M is most effective on the removal of post-soldering flux residues and other organic contaminants from electronic assemblies. It can also be used as a solvent to clean stencils efficiently. 5252M also readily dissolves misprinted and reflowed solder pastes and wave-soldered flux residues. It is a more effective cleaner than propanol and other commonly used solvents.

5252M provides rapid, effective and safe cleaning action. This cleaning solvent is a non-ionic and relatively non-toxic liquid with mild odor.

### Performance Characteristics:

- High solvency of post-soldering flux residues
- Excellent cleaning efficiency at ambient temperature
- Fast evaporation rate which reduces process time
- Ozone-safe with an excellent O.D.P. value of zero which complies to the Montreal Protocol Regulations
- Non-ionic and non-corrosive
- Non-carcinogenic and relatively non-toxic

## RoHS Compliance

This product meets the requirements of the Restriction of Hazardous Substances (RoHS) Directive, 2011/65/EU for the stated banned substances.

## Physical Properties

**Specific Gravity:** 0.845 ± 0.005  
Anton Paar DMA @ 25°C

**Boiling Point:** 82°C (180°F)

**Evaporation Rate:** >1  
(butyl acetate = 1)

**Flash Point (T.C.C.):** 16°C (61°F)

**Solubility in Water:** 100%

**Odor:** Mild Citrus/Alcohol-like

## Application

5252M can be used as a solvent for the following applications: removal of post-soldering flux residues and other organic contaminants from electronic assemblies (wave-soldered and reflow processes), stencil cleaning, cleaning of misprinted assemblies, pallet cleaning and general purpose cleaning.

5252M may be used at ambient temperature with ultrasonics, stencil spray equipment, or immersion agitation or manual application. When the residue has completely dissolved and is no longer visible, the residual solution is rinsed off with more solvent. The purpose is not to only dissolve the residue, but also to remove it after it is dissolved.

5252M dries fast and usually does not require any water rinse. It is recommended that after cleaning with 5252M solvent, the stencils or electronic assemblies should be dried by evaporation or solvent displacement with forced air. If additional cleanliness is required, the stencils or assemblies could be rinsed with a secondary 5252M rinse. The bath life of the cleaner solvent will depend on the cleanliness requirements. The solvent should be replaced at regular intervals in order to avoid solvent contamination.

## Material Compatibility

5252M solvent would have similar compatibility with the stencils, printed circuit board assemblies, components and markings used in the electronics industry as traditional halogenated and alcohol cleaning solvents. Like any cleaner, it should be tested on a non-critical area to determine plastics compatibility prior to use.

Material	Compatibility	Material	Compatibility
304 Stainless Steel	Good	Fluorcarbon	Good
316 Stainless Steel	Good	LDPE	Good
ABS Plastic	Not Compatible	Natural Rubber	Not Compatible
Aluminum	Excellent	Neoprene	Not Compatible
Brass	Excellent	Nylon	Excellent
Bronze	Excellent	Polycarbonate	Not Compatible
Carbon Graphite	Excellent	Polypropylene	Good
Carbon Steel	Excellent	Polyurethane	Not Compatible
Copper	Excellent	PVC	Not Compatible
Epoxy	Good	Silicone	Not Compatible

## Storage, Handling and Shelf Life

5252M is flammable. Store away from sources of ignition. Shelf life is 2 years from the date of manufacture when handled properly and held at 10-25°C (50-77°F).

## Health and Safety

This product, during handling or use, may be hazardous to your health or the environment. Read the Safety Data Sheet and warning label before using this product.