

KESTER® 5252 CLEANER

DESCRIPTION

Kester 5252 Cleaner is a halogen-free solvent developed for cleaning applications. 5252 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.

5252 is most effective as a solvent to clean stencils efficiently. It also readily dissolves misprinted solder paste, wave soldered flux residues and other organic contaminants from electronic assemblies. 5252 provides rapid, effective and safe cleaning action. This cleaning solvent is a non-ionic and relatively non-toxic liquid with a mild odor.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES & BENEFITS

- Excellent cleaning efficiency at ambient temperature
- Ideal for stencil cleaning
- 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, 2015/863/EU for the stated banned substances.

TECHNICAL DATA

Category	Results	Procedure/Remarks
Physical Properties		
Specific Gravity	0.788 ± 0.005	Anton Paar DMA @ 25 °C
Flash Point (T.C.C.)	9 °C (48 °F)	
Boiling Point	82 °C (180 °F)	

Category	Results	Procedure/Remarks
Solubility in Water	100%	
Evaporation Rate	>1	Butyl Acetate = 1
Odor	Alcohol-like	

APPLICATION

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

5252 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.

5252 dries fast and usually does not require any water rinse. It is recommended that after cleaning with 5252 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 5252 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

5252 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
304 Stainless Steel	Good
316 Stainless Steel	Good
ABS Plastic	Good
Aluminum	Excellent
Brass	Excellent

Material	Compatibility
Bronze	Excellent
Carbon Graphite	Excellent
Carbon Steel	Excellent
Copper	Excellent
Epoxy	Good
Fluorcarbon	Good
LDPE	Good
Natural Rubber	Not Compatible
Neoprene	Not Compatible
Nylon	Good
Polycarbonate	Not Compatible
Polypropylene	Good
Polyurethane	Not Compatible
PVC	Good
Silicone	Not Compatible

STORAGE, HANDLING AND SHELF LIFE

5252 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 to 25 °C (50 to 77 °F).

SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use. **Safety Data Sheets are available.**

CONTACT INFORMATION

www.macdermidalpha.com

<p>North America 140 Centennial Avenue Piscataway, NJ 08854 1.800.367.5460</p>	<p>Europe Unit 2, Genesis Business Park Albert Drive Woking, Surrey, GU21 5RW, UK 44.01483.758400</p>	<p>Asia 8/F., Two Sky Parc 51 Hung To Road Kwun Tong, Kowloon, Hong Kong, SAR China 852.2500.5365</p>
---	--	--

Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

DISCLAIMER: All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. No statement or recommendation shall constitute a representation unless set forth in an agreement signed by officers of seller and manufacturer. NO WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY IS MADE. The following warranty is made in lieu of such warranties and all other warranties, express, implied, or statutory. Products are warranted to be free from defects in material and workmanship at the time sold. The sole obligation of seller and manufacturer under this warranty shall be to replace any noncompliant product at the time sold. Under no circumstances shall manufacturer or seller be liable for any loss, damage or expense, direct, indirect, incidental or consequential, arising out of the inability to use the product. Notwithstanding the foregoing, if products are supplied in response to a customer request that specifies operating parameters beyond those stated above, or if products are used under conditions exceeding said parameters, the customer by acceptance or use thereof assumes all risk of product failure and of all direct, indirect, incidental and consequential damages that may result from use of the products under such conditions, and agrees to exonerate, indemnify, defend and hold harmless MacDermid, Incorporated and its affiliates therefrom. No suggestion for product use nor anything contained herein shall be construed as a recommendation to use any product in a manner that infringes any patent or other intellectual property rights, and seller and manufacturer assume no responsibility or liability for any such infringement.

© 2019 MacDermid, Inc. and its group of companies. All rights reserved. "(R)" and "TM" are registered trademarks or trademarks of MacDermid, Inc. and its group of companies in the United States and/or other countries.