



Multicore SC01/02

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SCREEN/STENCIL AND REWORK CLEANERS

Multicore SC-01 and Multicore SC-02 are high performance cleaning solutions for removing dried solder paste in both automatic and manual wiping applications.

- **Fast evaporating**
- **High solvency for a wide range of pastes (rosin, no clean and water washable)**
- **No oily residues**
- **Low environmental impact**
- **Zero Ozone Depletion Potential, chlorine free**

APPLICATIONS

Multicore SC-01 and Multicore SC-02 were developed to remove solder paste residues from screens and stencils. This can be achieved either manually or with the use of an automatic stencil underside wiper. Multicore SC-02 has a reduced VOC content and increased performance for water washable pastes.

Multicore SC-01 can also be used for manual cleaning of reworked circuit assemblies.

Application compatibility	Multicore SC-01	Multicore SC-02
Screen/stencil cleaning equipment	✓✓	✗
Printer automatic wipe system	✓	✓✓
Manual cleaning operation	✓	✓✓
Rework	✓	✗

Key: ✓✓ recommended ✓ suitable ✗ not suitable

TECHNICAL INFORMATION

Multicore SC-01 and Multicore SC-02 are based on user-friendly oxygenated organic chemistries. Each product has slightly different properties to suit a particular application.

Typical physical properties of cleaners	Multicore SC-01	Multicore SC-02
Relative density	0.896	0.945
Flashpoint	40°C	47°C
Evaporation (Butyl acetate = 100)	46	n/a
Appearance	Clear and colourless	Clear and colourless
Odour	Characteristic	Mild
Water solubility	Miscible	Miscible

These materials clean by dissolution of the organic media present in the paste and as such will dissolve a wide range of organic materials. It is therefore desirable that compatibility of the cleaner with all encountered materials should be checked prior to use. The following table gives compatibility guidance.

Both cleaners will remove paint from surfaces.

Compatibility of cleaners	Multicore SC-01 & Multicore SC-02
P.U. squeegee	✓
PTFE squeegee	✓
Epoxy adhesives	✓
Fiducial epoxies	✓
Natural rubber	✓
Butyl rubber	✓
Nitrile rubber	✓
Silicone rubber	✗
EPDM rubber	✗
SBR rubber	✓
Polytetrafluoroethylene	✓
Polycarbonate	✓
Acrylonitrile butadiene styrene	✓
Polypropylene	✓
Nylon	✓
Polystyrene	✗
Polymethylmeth acrylate	✗
Polyethylene	✓
PVC	✗

⁽¹⁾ will remove colour from frame adhesive

Key: ✓ good compatibility ✗ do not use

ENVIRONMENTAL DATA

All materials used in these products are low in environmental impact. They are biodegradable and unlikely to bioaccumulate. The water hazard classification under the German WGK is class 1 for all components, while the TA luft air class is III, again the lowest category. Biodegradability as % ThOD is 84% in 28 days.

PACKAGING

Containers: Multicore SC-01 and Multicore SC-02 cleaners are supplied in:

- 500ml hand held trigger spray packs
- 1l, 5l and 25l polythene containers

Shelf life: The stable formulations and components of these cleaners ensure a minimum shelf life of one year in the unopened container.

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DATA RANGES

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

GENERAL INFORMATION

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

Note

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