

# SCREEN/STENCIL AND REWORK CLEANERS

Multicore Prozone SC-01 and Prozone 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 Prozone SC-01 and Prozone 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. Prozone SC-02 has a reduced VOC content and increased performance for water washable pastes.

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

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

Key: ✓✓ recommended    ✓ suitable    × not suitable

## TECHNICAL INFORMATION

Prozone SC-01 and Prozone 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	Prozone SC-01	Prozone 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	Prozone SC-01 & Prozone 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 Prozone SC-01 and Prozone 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.

## HEALTH AND SAFETY

**WARNING:** The following information is for guidance only and users must refer to the Material Safety Data Sheets relevant to Multicore Prozone SC-01 and Prozone SC-02 cleaners before use.

**Vapours and Precautions:** Excessive inhalation of the cleaner vapours, which may cause headaches, dizziness and nausea, should be avoided. Multicore Prozone SC-01 and Prozone SC-02 must always be used in well ventilated areas. Suitable fume extraction equipment should be used to extract vapours away from the operators.

**Protection and Hygiene:** Suitable protective clothing should be worn to prevent the materials from coming into contact with the skin and eyes. If the materials come into contact with the skin, the affected area should be washed with soap and water. If the materials come into contact with the eyes, they should be irrigated thoroughly with running water for at least 10 minutes and medical attention sought. Eating and drinking should not be permitted in the working area and hands should be washed thoroughly with soap and water before eating.

**Fire Hazards and Precautions:** Multicore Prozone SC-01 and Prozone SC-02 cleaners contain a flammable material with a flashpoint of 40°C. These cleaners must not be used near naked flames. Smoking must not be permitted in the working area. Carbon dioxide, alcohol resistant foam or dry powder extinguishers should be used if the materials catch fire.

**Spillage and Waste Disposal:** Spillage of the materials should be mopped up with an absorbent material. Waste materials should be stored in closed containers and disposed of in accordance with local regulations.

### Note

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