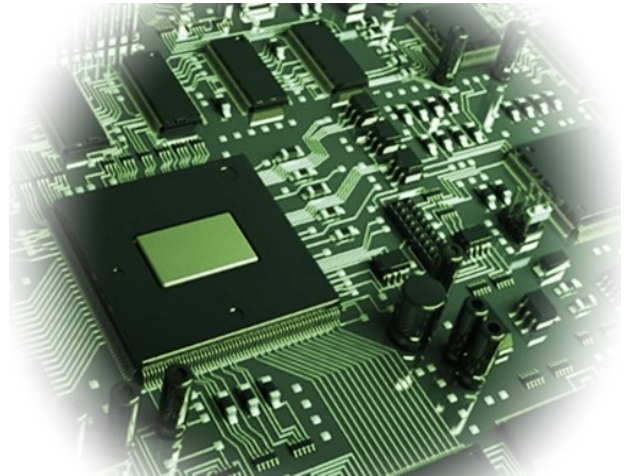


Samsol®* Sitrex™

Technical Data Sheet for Electronics Cleaning



Banner Chemicals Group UK
Flying the flag of excellence for over 150 years



GENERAL DESCRIPTION

Samsol Sitrex cleaner is a mixture of organic solvents designed specially for non-aqueous cleaning applications. Samsol Sitrex effectively removes most types of raw solder paste residues and uncured SMD adhesives.

It is also effective on post-soldering flux residues and other organic contaminants associated with printed circuit board assembly.

The product will evaporate completely thus no water rinse is required.

Samsol Sitrex is an excellent replacement for IPA in most applications.

PROCESS DESCRIPTION

Samsol Sitrex cleaner is used at ambient temperatures to dissolve raw solder paste residues, uncured SMD adhesives, flux residues, tape residues and other oily contaminants such as fingerprints.

After cleaning, stencils or assemblies can be dried by evaporation or solvent displacement with forced air (no water rinse is required).

If additional cleanliness is needed, stencils or assemblies may be rinsed with a secondary Samsol Sitrex rinse.

Bath life will depend on stencil cleanliness requirements.

For PCB cleaning, refractive index and/or specific gravity can be used to determine rosin loading in the cleaning solution (contact your supplier for more information).

In both stencil and PWA cleaning, the use of a secondary rinse generally will allow for longer utilization of the initial Samsol Sitrex wash bath.

FEATURES & BENEFITS

Samsol Sitrex cleaner

- Effective cleaner at ambient temperature.
- Ideal for manual stencil cleaning, misprint cleaning and defluxing non-aqueous
- Also effectively replaces isopropyl alcohol and other solvents in immersion or spray equipment designed for low flash point solvents. High flux loading capacity which allows longer bath life and lower running costs.
- Excellent solvency for difficult to remove flux residues. Reduces process time and eliminates white residues.
- Versatile and effective over a wide range of applications. Reduces the number of chemicals required in a facility.
- Halogen-free and RoHS compliant.

EQUIPMENT

Samsol Sitrex cleaner is suited for use in appropriately designed non-aqueous spray or immersion equipment design for use with solvents with flash points.

For ultrasonic equipment or other equipment without fire safety controls, BannerClean EC aqueous defluxer should be used instead of Samsol Sitrex cleaner. For details on BannerClean EC contact your Banner Chemicals representative.

MATERIALS COMPATIBILITY

Samsol Sitrex cleaner is non-corrosive and compatible with materials used in PCBs, electronic components and markings. It is safe for epoxies, flex laminates and other cross-linked polymers. Sensitive materials such as RTV silicone, polystyrene, polyurethane and some polycarbonates may be attacked. Best practice is to test the specific plastics and elastomers if compatibility is uncertain.



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TYPICAL PROPERTIES*

Samsol Sitrex cleaner

Appearance.....	Colourless to Pale Yellow Liquid
Odour.....	Citrus
Specific Gravity.....	0.80 @25°C
Vapour Pressure.....	<2 mmHg @20°C
Viscosity.....	1.6 cps @25°C
Flash Point.....	41 °C (105°F)
Halogen Free.....	Yes
RoHS Compliant.....	Yes
Ozone Depletion Potential (ODP).....	Zero
Global Warming Potential (GWP).....	Low

***Typical Properties data is not intended for specification purposes.**

STORAGE & PACKAGING

Samsol Sitrex cleaner is sold in 20 liter pails and 208 liter drums.

The product should be stored indoors preferably above 10°C in a ventilated, fire-resistant building. (See MSDS for more details)

Shelf Life is 24 months when stored in the original unopened container.

Disposal : Banner Chemicals recommends contacting your current or local environmental service company for disposal of this product.

HEALTH & SAFETY

Samsol Sitrex cleaner is intended for use by trained personnel. Use standard chemicals handling procedures, including solvent resistant gloves (Nitrile, Viton or PVA) and safety glasses with side shields or chemical goggles. The use of latex gloves is not recommended for this product. Repeated contact with skin may cause irritation.

Use in well ventilated areas.

Please consult product MSDS for more information

ENVIRONMENTAL POLICY

It is the aim of the Banner Chemicals Group to provide their customers the finest quality products and services whilst operating to the highest Health & Safety standards and minimising the impact on the Environment. This is obtained through an Integrated Management System (IMS). This system meets and where possible exceeds, the requirements of International Standards, ISO 9001:2008 (Quality), ISO 14001:2004 (Environmental) and OHSAS 18001:2007 (Health & Safety) The company is committed to preventing pollution by ensuring that its products are developed, handled, transported, used and disposed of safely and in compliance with relevant Environmental & Health & Safety Legislation, the CBA's Responsible Care Programme, Product Stewardship and Industry Codes of Practice.

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