

Samsol®* Sitrex™

Technical Data Sheet for Precision 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. It is suitable for removing a wide variety of soils in immersion or hand-wipe cleaning applications from all types of metal surfaces. The product will evaporate completely thus no water rinse is required.

Samsol Sitrex is an excellent alternative to isopropyl alcohol (IPA), acetone, methyl ethyl ketone (MEK), mineral spirits and other low-flash-point flammable materials. In comparison to these solvents, Samsol Sitrex cleaner provides better cleaning performance, increased safety, less solvent consumption, and fewer VOC emissions.

PROCESS DESCRIPTION

Samsol Sitrex cleaner is used at ambient temperatures to dissolve residues. The residues are then suspended in the liquid solvent.

The solvent holding the suspended residue must then be rinsed off the surface. Alternatively it can be pushed off the surface with compressed air or absorbed off the surface using wipes. After cleaning the parts can be dried by evaporation or solvent displacement with forced air. No water rinse is required.

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 immersion and spray equipment, the use of a secondary rinse generally will allow for longer utilization of the initial Samsol Sitrex wash bath. This reduces overall solvent consumption and reduces cleaning costs.

SOILS REMOVED

Samsol Sitrex cleaner dissolves and removes:

- Adhesives
- Asphalt
- Coolants
- Fingerprints
- Flux residues
- Grease
- Inks
- Metal working fluids
- Mould release
- Oils
- Paint overspray
- Pitch
- Silicone
- Tape residues
- Wax
- And many other residues

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 aqueous cleaner should be used instead of Samsol Sitrex cleaner. For details on BannerClean aqueous cleaners contact your Banner Chemicals representative.

MATERIALS COMPATIBILITY

Samsol Sitrex cleaner is non-corrosive and compatible with steel, iron, titanium, aluminum, copper, brass, bronze, silver, gold, nickel, tin, zinc and other metals used in aerospace, medical and other manufacturing processes.

Certain elastomers and plastics are not compatible with Samsol Sitrex. Contact your Banner Chemicals Representative for details



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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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