



## **XTEND** Screen Cleaners Screen Recovery System

Each Xtend Screen Cleaner is an expertly balanced blend of solvents and detergents which are used at the end of a print run for the removal of ink residues. This blend enables the Screen Cleaner and the ink to be easily emulsified with water, and prepares the stencil surface for the rapid action of decoating chemicals. Xtend Screen Cleaners can be used manually or in automatic screen cleaning machines.

### Instructions for Use

#### Manual Cleaning

1. Apply Xtend Screen Cleaner liberally to both sides of screen with a soft brush.
2. Concentrate on the image area, using circular brush strokes.
3. Wash ink, Screen Cleaner and filler from both sides of screen using a high pressure gun.

To keep solvent out of mains drains, the use of a solvent recycling booth is recommended. Solvent should be drained from screens before moving to a stencil removal booth.

#### Automatic Screen Cleaning Machines

1. Fill the tank to the manufacturer's recommended level.
2. Set machine to give an appropriate cleaning dwell time (this will vary according to machine type and solvent used).
3. When the cleaning efficiency becomes reduced, replace with fresh solvent.

Most Xtend Screen Cleaners can be distilled, following removal from the automatic screen cleaning machine, in a suitable vacuum distillation unit. To optimise distilled solvent for reuse as a screen cleaner, the addition of an activator is recommended in the ratio of ten parts distilled solvent to one part activator.

### Product Properties

#### Main line cleaners

##### Manual use

###### Screen Cleaner LO (OAC44)

A high performance manual cleaning solvent for use with all ink systems. Has a very low odour, low evaporation rate and no occupational exposure standard (OES).

OAC44/15	15 litre containers
OAC44/5	5 litre containers

###### Screen Cleaner SV (SVL38)

For manual removal of solvent-based and UV ink residues

SVL38/15	15 litre containers
SVL38/5	5 litre containers
SVL38/1	1 litre containers

#### Dual-purpose: manual use and automatic machines

##### Screen Cleaner UV (OAT42)

Designed to give the best cleaning performance with UV inks, while still effective with all other ink types. Has a high flashpoint/low evaporation rate. Suitable for use in automatic cleaning machines and can be easily distilled in vacuum distillation units.

OAT42/200	200 litre containers
OAT42/15	15 litre containers
OAT42/5	5 litre containers

##### Screen Cleaner MC (OAD54)

Removes solvent-based, UV, water-based, and water-based UV ink residues. Has a high flashpoint/low evaporation rate.

OAD54/200	200 litre containers
OAD54/15	15 litre containers
OAD54/5	5 litre containers

#### Automatic machines

##### Screen Cleaner AM (OAE13)

AM is a low odour machine solvent, with excellent cost in use. Performance as Screen Cleaner MC, but with very high flashpoint/low evaporation rate. It has no occupational exposure standard (OES).

OAE13/200	200 litre containers
OAE13/15	15 litre containers
OAE13/5	5 litre containers

##### Screen Cleaner SW (OAH03)

A low odour machine solvent, with excellent cost in use. Excellent performance with all ink systems, and particularly water-based UV. Has a high flashpoint/low evaporation rate.

OAH03/15	15 litre containers
OAH03/5	5 litre containers

#### Activators for distilled solvents

In order to return distilled solvents to their original level of cleaning performance, they require an addition of Activator OAT14. Mix in the ratio of 10 parts distilled solvent to 1 part Activator.

OAT14/5	5 litre containers
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#### Specialty Cleaners

##### Special Screen Cleaner SV (SVA02)

Performance similar to Screen Cleaner SV (SVL38), but contains no cyclohexanone.

SVA02/15	15 litre containers
SVA02/5	5 litre containers

##### Screen Cleaner Aqua (AIA03)

A water-based screen cleaner for manual use. It provides a suitable screen cleaning system for water-based graphic and water washable UV inks used. Used in conjunction with Screen Filler WR.

AIA03/5	5 litre containers
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## Safety and Handling

Only Screen Cleaner SV is labelled 'Flammable' (Flashpoint <55°C)

Flashpoints are as follows:

Screen Cleaner SV -SVL38	37°C
Special Screen Cleaner SV - SVA02	62°C
Screen Cleaner LO – OAC44	>100°C (No OES)
Screen Cleaner MC – OAD54	60°C
Screen Cleaner AM – OAE13	>100°C (No OES)
Screen Cleaner SW – OAH03	82°C
Screen Cleaner UV – OAT42	67°C

All Screen Cleaners are formulated to be free from any (toxic) carcinogenic, mutagenic or reprotoxic chemicals.

Comprehensive information on the safety and handling of all Xtend products is given in the appropriate Sericol Safety Data Sheet available on request.

## Environmental Data

The Xtend Screen Cleaner range of products:

- Do not contain ozone depleting chemicals as described in the Montreal convention.
- Screen Cleaner SV and Special Screen Cleaner SV are moderately biodegradable whilst the rest of the range is readily biodegradable as determined by the OECD301D closed bottle test.
- Screen Cleaner Aqua has a pH between 10.4 and 11.4
- Screen Cleaner Aqua is water-based and therefore considerably reduces any adverse effects of solvents on the environment.
- Screen Cleaner LO, Aqua, UV and AM are formulated free from aromatic hydrocarbons which are known to have an adverse effect on the environment.

### A Guide to Xtend Screen Cleaners

Properties	Manual Use Solvents				Manual and Machine Use Solvents		Machine Use Solvents	
	Screen Cleaner SV SVL38	Special Screen Cleaner SV SVA02	Screen Cleaner LO OAC44	Screen Cleaner Aqua AIA03	Screen Cleaner UV OAT42	Screen Cleaner MC OAD54	Screen Cleaner AM OAE13	Screen Cleaner SW OAH03
Cleaning Solvent based	Excellent	Good	Good	Poor	Good	Good	Good	Excellent
Cleaning WBUV	Excellent	Good	Good	Good	Excellent	Good	Good	Excellent
Relative Price	Low	Low	High	High	High	Medium	High	High
Cost in use on recirculation	Poor	Poor	Very Good	Very Good	Very Good	Good	Very Good	Very Good
Recommended for distillation	Yes	Yes	No	No	Yes	Yes	No	Yes
Odour level	High	High	Low	Low	Medium	Medium	Low	Low
Flashpoint	37°C	62°C	>100°C	>100°C	67°C	60°C	>100°C	>82°C
Evaporation Rate	High	High	Low	Low	Medium	Medium	Low	Low
Contains Aromatic Hydrocarbons	Yes	Yes	No	No	No	Yes	No	Yes
Contains Cyclohexanone	Yes	No	No	No	No	No	No	No
Labelling	Harmful	Harmful	Label Free*	Irritant	Harmful	Harmful	Irritant *	Harmful

\* No occupational exposure standard

The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of our Company, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information sheet out of date and users are requested to ensure that they follow current recommendations.

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