

Technical Data Sheet

Product Code: SFA6

English Version: 3 / November 2009

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SUNFOUNT® 320

DESCRIPTION AND GENERAL PROPERTIES



FOUNTAIN SOLUTION ADDITIVE FOR SHEETFED OFFSET, TO PREVENT THE BUILD UP OF INSOLUBLE CALCIUM SALTS

SUNFOUNT® 320 is a universally usable product for conventional and alcohol dampening units in web and sheetfed offset that was particularly developed for use with high calcium salt concentrations.

SUNFOUNT® 320 may also be used with UV drying inks.

SUNFOUNT® 320 is one of the founts in the complete range available from SUN CHEMICAL

There are three main causes of calcium ion build up in the fountain solution:

- water hardness
- pigments and extenders in inks
- paper – particularly calcium carbonate coated papers.

These ions may then form insoluble salts and so interfering with the printing process by causing stripping of inks rollers, binding of printing plates and / or forming deposits / precipitations. SUNFOUNT® 320 was particularly developed to eliminate such interferences.

AVAILABILITY

SAP PRODUCT NUMBER	SAP DESCRIPTION	Packaging
56007609	SFA6: SUNFOUNT 320 25KG:FKZ1	25Kg Plastic bottle

SPECIFIC ADVANTAGES

FEATURES	ADVANTAGES	BENEFITS
Good buffering	<ul style="list-style-type: none">• Stable pH within the most favourable range for printing	<ul style="list-style-type: none">• Stable print quality and colour throughout the run
Anti-corrosive technology	<ul style="list-style-type: none">• Good plate protection	<ul style="list-style-type: none">• No plate corrosion during short down times
Calcium reducing technology	<ul style="list-style-type: none">• No formation of insoluble calcium deposits• No stripping of ink rollers	<ul style="list-style-type: none">• Extended roller life
Low alcohol concentration	<ul style="list-style-type: none">• Only 8 -12% in alcohol dampening systems necessary	<ul style="list-style-type: none">• Environmental benefits

working for you.



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TECHNICAL INFORMATION

TECHNICAL DATA			
Dampening System	Conventional / Universal	Water Miscibility	Completely miscible
Corrosion Behaviour	Neutral	Specific Gravity	1.138 – 1.148 @ 20°C
Water Types	Hard / Soft / Demineralised	Flash Point	> 100 °C
Colour	Amber	Dosage	3 – 4 %
pH (Concentrated)	4.6 – 4.8	pH (Diluted)	5.0 – 5.2 *

* dependent upon dosage and local water quality

DIRECTIONS FOR USE

SUNFOUNT® 320 should be dosed at 3 – 4 %, dependent upon local water conditions.

For economy and performance the use of the SUN CHEMICAL DOSER DI – 150 is recommended.

When processing UV drying inks the addition of 5 – 7% IPA to the dampening units is recommended. The level of dampening should be kept as low as possible. With conventional dampening units the addition of 1 – 3% IPA can help in keeping dampening rollers clean.

For full details about this or any other SUN CHEMICAL product, please contact your regional SUN CHEMICAL Account Manager or Technical Service Team.

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