



## JUST IMAGINE

### SUN CHEMICAL – GLOBAL SUCCESS IN A WORLD OF COLOUR

Sun Chemical is the world's largest producer of printing inks and pigments. It also is a leading provider of materials and services to packaging, publication, coatings, plastics, cosmetics and other industrial markets. Sun Chemical has more than 300 locations worldwide to provide customers local service with a global perspective.

Sun Chemical has an historic pedigree, tracing its history back to 1818. Since then, Sun Chemical has expanded its operations, bringing many well-known companies and brands under its umbrella including Coates Lorilleux, HARTMANN, US Ink and Kohl & Madden.



Printing Inks and Coatings: SunChemical • Concept: Achim Krell GmbH • www.achimkrellgmbh.de



## SHEETFED EUROPE

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# EOS™





## NEW FAST PROCESS INKS FROM THE THE WORLD'S LEADING INK MAKER

Welcome to the 'fast track' to high productivity with rapid finishing and printed work ready to leave for the customer in super quick time. These new process inks from Sun Chemical are both safe and reliable at the highest speeds.

Changes in market trends in the commercial and publication sheetfed printing market include the necessity to "work" and "turn" or "work and tumble" sheetfed offset prints within a matter of minutes. In addition, the work often demands print finishing very soon after printing both sides of the sheet in both short run and long run offset printing where perfecting is not possible. The demands on modern printing inks are therefore fast printing, fast work and turn and fast finishing at the same time.

### FAST RUNNING

On fast running presses the following demands can all be met by using Sun Chemical EOS™ fast process inks

- Up to colour very quickly on start up
- Return to colour after a stop very quickly
- Reliable and clean running on press
- Low ink mist
- Stable ink water-balance
- Stable colour reproduction at all press speeds

Press speeds can now vary up to 18000 cph. The new chemistry and technology developed by Sun Chemical EOS™ allows high speed and low speed running with confidence.

### FAST SETTING

Sun Chemical EOS™ has a very quick setting formula. Developed to be free of set off and resistant to marking in the shortest possible time Sun Chemical EOS™ inks are also duct stable. Fast turning, whether along or across the machine axis after printing the first side and then turning to print the other in straight printing in less than an hour can only be possible with the fastest setting inks. Sun Chemical EOS™ will help you win the fast work and turn race.

For fast work and turn there are two special demands that can only be met with the latest in offset ink development:

- High resistance to print scratching
- High resistance to on-press marking or marking in post-print handling



### FAST FINISHING

Fast finishing – for double sided work moving to guillotine, die-cutter or bindery in less than an hour is a challenge that can be met using Sun Chemical EOS™ fast process inks.

- Ready to work and turn in minutes
- Fast through the guillotine, die-cutter or bindery
- Safe for perfect binding, saddle stitching or stapling in minutes
- Work ready for delivery in hours
- Resistant to scratching and marking of the finished product.



Sun Chemical EOS™ series can be used on all paper and board substrates normally used in sheetfed offset printing and when used together with the range of SunFount™ fountain solutions and SunCoat™ coatings can increase productivity in fast work and turn and finishing in the same print shop.

## EOS™ CHARACTERISTICS

- Fast running on the latest offset presses
- Duct stable
- Very fast setting with low set off in the stack
- High resistance to print scratching in fast work and turn
- High resistance to machine marking in high-speed production
- Complies with toys regulations and CONEG
- Excellent setting and drying
- In-line and off-line varnishable (water-based coatings)
- Off-line varnishable (suitable UV coatings)
- Runs with and without alcohol in the fount
- Suitable for all straight printing presses
- Suitable for books, magazines, commercial and publications, advertising and packaging.
- Standard lightfastness, solvent and chemical resistance
- Complies with ISO 2846-1
- Meets the requirements of ISO 12647-2 when used with appropriate procedures.



## EOS™ HIGH SPEED \*

For high speed printing at the lowest filmweight choose the EOS™ product called EOS™ "High Speed". This extra set of inks have higher intensity than the standard EOS™ process set allowing a lower filmweight than that normally required by ISO 2846 or ISO 12647 printing.

EOS™ Process Inks		Light fastness ISO 2835	Alcohol ISO 2837	Solvent Mixture ISO 2837	Alkali ISO 2838
● Yellow	EOS 26 G 6100	5	+	+	+
● Magenta	EOS 27 P 6100	5	+	+	-
● Cyan	EOS 25 B 6100	8	+	+	+
● Black	EOS 46 S 6100	8	+	+	+
* EOS™ HIGH SPEED Process Inks		Light fastness ISO 2835	Alcohol ISO 2837	Solvent Mixture ISO 2837	Alkali ISO 2838
● Yellow	EOS 09 G 6106	5	+	+	+
● Magenta	EOS 39 P 6106	5	+	+	-
● Cyan	EOS 38 B 6106	8	+	+	+
● Black	EOS 24 S 6107	7	-	-	+

## RESEARCH AND DEVELOPMENT

Sun Chemical is not only involved in the research and development of printing inks but also is a leader in developing and producing pigments, polymers, resins and additives for printing inks. These parallel and convergent processes allow synergies and support application focussed formulations. EOS™ is a result of both R&D and the synergy possible within Sun Chemical. Customer technical service is part of the complete offering from Sun Chemical to improve your productivity and profitability. Our extensive CTS will also ensure timely feedback from our customers on new requirements in the world of printing.