

# UPDATE

News for offset printers · BU Sheetfed · EMEA Edition



## SICURA Nutriplast 2 with a new recipe and Omnirad-369 free

**Process:** UV offset | **Application:** Food packaging, IML, sleeves  
**Series:** SICURA Nutriplast 2

This low migration UV offset series is the ideal solution for printing on impervious substrates for food packaging, labels and other delicate applications.

The high reactivity and the outstanding adhesion are the highlights of this series. The inks are especially developed for printing on plastics for self-adhesive labels,

wrap around labels, sleeves, in-mold labels, tubes or metallized folding boxes as well as on papers and cardboards. They allow compliance of the printed materials with all relevant regulations, such as the EU Plastic Regulation, as well as brand owner standards, and they are manufactured following strict processes without any compromises on printability. Furthermore, the process inks are **compliant with the ISO 2846-1 standard and free of the photo-initiator Omnirad-369.**



## 7 Colors Multichromy Printing with TEMPO Nutripack 2

**Field Report**

The Pyroll Group is a big Finnish printing company, well known for its quality, competitiveness, and its position as a responsible and efficient packaging manufacturer in Finland and abroad.

In order to sustain its growth strategy, Pyroll Packaging is investing 10 million € annually. One of the biggest investments was the renewal of the Pyroll Takon Kotelotehdas carton plant in Tampere. In August 2017, a state-of-the-art offset printing machine started operation. It is a Man Roland B1 707 LTTLV Evolution.

One target of this new investment is the possibility to print in multichromy with 7 colors and to significantly improve the productivity while maintaining perfect brand colors and PMS reproduction. Jussi Timo, manager of the Tampere plant, says: **«The increase in productivity was possible thanks to a close partnership with Siegwerk and the excellent printing quality of the TEMPO Nutripack 2 series.»** This series is a low odor and optimized migration ink range, based on renewable and fully GMO-free raw materials. It is the best ink series in its class regarding residual impurities.

## Photo-initiator OMNIRAD-369 will be banned

It is an efficient and widely applied photo-initiator which is used to initiate the photopolymerisation of polymers in UV inks – e.g. acrylates. As recent researches have revealed that this substance can be hazardous to health, it is now voluntary banned in the printing inks industry according to the EuPIA Exclusion Policy. Siegwerk already does not use OMNIRAD-369 (former IRGACURE 369) any more in sheetfed products and has found an equal replacement in terms of curing performance and food packaging compliance without harmful properties.



The new Man Roland B1 707 LTTLV Evolution at Pyroll Takon Kotelotehdas Oy in Tampere (with 7 color units & 2 lacquer units, supplemented with UV).



## A beautiful matt UV offset series for Low Energy/LED

**Process:** UV offset

**Application:** Commercial

**Series:** SICURA Low NRGY



This matt series is intended for low energy and LED UV offset printing and is designed to reach low gloss levels without any overprint varnish.

The matt effect has been optimized to avoid gloss gaps when the inks are printed on matt coated papers and on the opposite to enhance a good matt/gloss contrast on glossy papers. The series features great reactivity and **outstanding printability at high machine speeds**. High color strength, excellent dot sharpness and no misting are further advantages of this series. A very high rub resistance **saves the need and related costs of an overprint varnish**. The series is compliant with ISO 2846-1 in view of the PSO 12647-2 certification.

## We are pleased to welcome...



Nicolas Higuier



Michael Groß

**Nicolas Higuier** as new Sales Manager for France South East – he joined us last December – and **Michael Groß** as Sales Manager/Technical Service for Germany – he joined us last March. We wish them every success in their new tasks. [Nicolas.Higuier@siegwerk.com](mailto:Nicolas.Higuier@siegwerk.com) and [Michael.Gross@siegwerk.com](mailto:Michael.Gross@siegwerk.com)

## REACH: Last Deadline

EU Regulation (EC) 1907/2006 – known as REACH – is Europe's most important chemicals legislation. REACH requires that manufacturers and importers register substances manufactured or imported in quantities of one ton or more per year. Three major deadlines have been set, depending on the respective substance volumes. After 2010 ( $\geq 1000$  t/y) and 2013 ( $\geq 100$  t/y) the last registration deadline for existing chemicals will be on **31<sup>st</sup> May 2018**. **This deadline concerns companies that manufacture or import substances in volumes between 1–100 tons a year**. This includes substances on their own or in mixtures. For a registration, a registration dossier containing all relevant substance information (e.g. physical-chemical properties, toxicological data) needs to be provided to ECHA, the European Chemicals Agency.

This last deadline is expected to be more difficult and complex than the two previous ones as it mostly concerns low-volume chemicals with less available data and also smaller and less experienced companies. Since 2016 already, Siegwirk is actively monitoring its raw material portfolio and no significant impact on the product range is expected so far.



## Successful INKday in Siegburg

The topics have been **low migration conventional & UV offset, low energy, LED systems and printing inks for special applications**.

Over a hundred customers and guests attended the meeting on 8<sup>th</sup> March and discussed in depth with our experts a lot of new ink and varnish solutions. This event in Germany was part of Siegwirk's appreciated INKday series.