



TECHNICAL DATA SHEET

Date: 31.03.2017, Version: 4

Range name:

SICURA NUTRI ADDITIVES – For low migration UV inks

Description:

SIEGWERK carries a wide range of additives capable of adapting UV inks low odour and low migration to special printing conditions or substrates :

- Anti-tack paste : to reduce the tack of the inks,
- Photoinitiator : to improve UV drying,
- Reactive diluent.
- Hardener Only use additives compatible with LM UV inks

Product safety:

Intended Use

Food packaging (incl. pharma and hygiene) : **YES**

Compliance Management

These additives are only suitable for use on the non-food-contact side of food packaging, provided that they are applied using the relevant Good Manufacturing Practices (a system for ensuring that products are consistently produced and controlled according to quality standards) and according to the guidelines in this Technical Data Sheet. The printer, converter and the packer/filler each have a responsibility to ensure that the finished - printed - article is fit for the intended purpose(s) and that the ink and coating components do not migrate into the food at levels that exceed legal, regulatory and industry defined requirements.

Please refer to Siegwerk's **"Statement of Composition"** for further regulatory information.

In case of specific applications, please contact your technical application service.

For further information, please refer to **Siegwerk's Customer Guidance: Printing Inks for Food Packaging ("Know How")** on <https://www.siegwerk.com/en/our-responsibility/product-responsibility/customer-communications/food-packaging-safety.html>

Additives :

ANTITACK PASTE	Ref. 71-470085-3
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- This paste allows the ink to be altered to suit fragile substrates, thus minimizing picking.
- It is compatible with UV varnishing.

Proportion : 1 to 3 %
 Packing size : Tin 2.5 kg (Packaging code : 1200)

PHOTOINITIATOR	Ref. 71-470062-2
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- This catalyst is most often used in the presence of heavy film weight or high printing speeds.
- It's compatible with UV varnishing,

Proportion : 1 to 3 %
 Packing size : Tin 1 kg (Packaging code : 1180)



REACTIVE DILUENT	Ref. 81-470072-0
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- This reducer adjusts the viscosity of the ink.
- It is compatible with overprint varnishes.
- When adding a large quantity of reducer to the ink, add catalyst to prevent poor drying.

Proportion : 1 to 3 % maximum.
 Packing size : Tin 1 kg (Packaging code : 1020)

ANTIFRICTION PASTE	Ref. 71-470086-1
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- This paste/wax increases scrtach resistance of prints.
- This additive may impact the slip level and hot stamping ability of the ink, normally hot stamping or thermal transfer is not possible anymore.
- The ability of UV Flexo varnishing, must be check before printing

Proportion: 1 to 5 %
 Packing size: Tin 1 Kg (Packaging code : 1180)

HARDENER	Ref. 71-470074-7 / 411-90
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- Increases LM UV inks, UV primer or UV Flexo primer adhesion, 24 hours after printing.
- For IML application, this hardener improves water resistance 24 hours after printing.
- Prints are compatible with UV Flexo varnishing
- Incorporated in inks or primer, the mix is stable during 8 hours.

Proportion : 3 to 4 %
 Packing size : Tin 1 kg (Packaging code: 1180)

This information is based on our experience and on results obtained in the laboratory, using specific processes and types of application. In view of the diversity of substrates and printing conditions, this data is communicated for information purposes only and is provided without any warranty on our part and must be authenticated by industrial tests before the products are used. Improvements are being made to our products on an ongoing basis and we therefore reserve the right to modify their composition as well as the contents of our technical data sheets. We disclaim any liability for applications for which this ink series is not foreseen. These products are only suitable for use on the non-food contact side of food packaging, provided they are applied under the relevant Good Manufacturing Practices (GMP) and according to the information in this Technical Data Sheet. The printer, converter and packer/filler have the legal responsibility to ensure that the finished article is fit for the intended purpose and that the ink and coating components do not migrate into the food at levels that exceed legal and industry requirements.