



## Gecko® HSR Additive

Solvent based additives for flexible packaging

70GH371268

### Description

A liquid additive for inks and varnishes, designed to enhance their scratch and rub resistance.

### Printing process

Gravure and flexographic printing.

### Applications

In combination with Gecko inks and varnishes for food and beverage flexible packaging.

This additive can be used only in surface printing applications using Gecko Frontal inks or varnishes.

**Dosing** The additive can be added in amount between 5% and 10% in the ink or varnish.

### Properties

Dry content	42 % ± 2	Colour	White
Solvents	Ethanol / Ethylacetate		

### Notes

**Mixing** It is possible a premix of this additive in a dilution solvent before adding it to the final product. Stir well the additive before the use and the final product after the addition, in order to ensure an optimal dispersion.

**Effect on COF** The addition of HSR Additive usually modifies the COF of the printed layer (increase COF static, decrease COF dynamic).

### Instructions for the use of printing inks for the production of primary food packaging

For information on the use of printing inks, varnishes and additives for the manufacture of food packaging please refer to the respective „**Statement of Composition**". This information is provided to allow the calculation of possible levels of migration of evaluated substances in a worst case situation.

The manufacturer of the finished article and the filler have the legal responsibility to prove by appropriate migration testing that it is fit for its intended purpose.

In order to maintain low residual solvents concentration in the printed film, the printer must ensure sufficient drying of the inks, especially when retarders have been added. Residual solvent content must be regularly monitored.

The inks must not be used in the manufacture of packaging where the printed ink layer is intended to come into contact with foodstuff (direct food contact).

## **Health & Safety**

The material safety data sheets contain all relevant information for the generation of appropriate internal plant instructions. The user is responsible for all local legislation requirements.

## **Ink Handling**

Please refer to General Guidelines for handling inks for flexible packaging.

## **Storage Conditions**

Store the material in the original packaging at a temperature not below 5°C and not in direct contact with sunlight.

Contact addresses for advice and further information can be found under [www.hubergroup.com](http://www.hubergroup.com)

Due to the many variables in materials for printing, design construction, processing conditions and test criteria, this Technical Data Sheet can only be of an advisory nature. Our data reflect the latest state of our knowledge and are based on the characteristics established in the laboratory and on practical experience. Because there are many factors under the control of the user which may affect processing or application/use, it is necessary for the user to carry out appropriate tests to determine whether the product(s) is technically and safely suitable for the particular purpose, prior to use. **hubergroup** disclaims any liability for applications for which this ink series is not foreseen. No warranties of any kind, either expressed or implied, are made regarding the products here described. The English version is the master document, on which to refer for any translations.