

Technical Information

50.A.001 | Radiation-curing Systems | Auxiliaries, Additives



NewV sup[®]

auxiliaries for energy curing offset printing

We recommend you the following auxiliary materials for **NewV** offset inks. The products below are VOC-benzophenone- and also ITX- free.

These **NewV sup** products are suitable for:

- UV offset inks cured in mercury lamp systems
- HS (high sensitive) UV inks for iron doped lamps
- LED UV inks for light-emitting diodes
- EB (electron beam) curing systems

The activator and the reducing paste need to be chosen according to curing system.

Purpose	Product name	Description	Sales code	Dosage	Ink	Duct varnish	Coating varnish
Cleaning	NewV sup MGA Wash Up Solution	For manual cleaning of inking units, printing plates, rubber blankets, coating units, coating plates and anilox rollers. For EPDM rollers.	10U1040M	***	+	+	+
Reducing tack	NewV sup MGA Reducer Liquid for all UV curing systems	Reduces tack and viscosity.	10U1001M	max. 5%	+	+	+
	NewV sup MGA Reducer Paste for all UV curing systems	Reduces tack without significantly changing the viscosity.	10U1080M	max. 10%	+	+	
Surface active	NewV sup MGA Rub Resistance Paste	Wax paste for improving the rub resistance. Suitable for hot foil applications. Not suitable for laser printers.	10U1050M	max. 4%	+	+	
	NewV sup MGA Slip Additive	For improving scratch resistance and slip properties. Contains silicone. Reduces the hot foil blocking, lamination and thermal transfer printing properties. Prior tests are needed.	10U6060M	max. 1,5%	+	+	+
Defoamer	NewV sup MGA Defoamer	Reduces foam.	10U1070M	max. 0,5%			+
Idling printing units	NewV sup MGA Idling Paste	Lubrication paste for protecting ink rollers from wearing out when they are not in use. For EPDM and NBR rollers.	10U1005M	***	+	+	
Accelerating the curing process	NewV sup Activator Paste for chromatic colors	Accelerates the curing process of chromatic colors.	10U1003	max. 5%	+		
	NewV sup Activator for opaque white and varnishes	Accelerates the curing process of opaque white. It has low tendency to yellowing.	10U1004	max. 3%	+	+	+

Food and confectionery packaging

Regulation (EC) No 1935/2004 requires that materials and articles which, in their *finished* state, are intended to be brought into contact with foodstuffs or which are brought into contact with foodstuffs, must not transfer any components to the packed foodstuff in quantities which could endanger human health, or bring about an unacceptable change in the composition or deterioration in organoleptic properties.

Provided that our products cited above are used in accordance with the information given in our technical information sheets and correctly processed and cured, and provided that the food packaging is designed in a way that there is no intended food contact with the print, we hereby confirm that our products will in principle allow compliance of the final product with Regulation (EC) No. 1935/2004.

- The **hubergroup** products cited above are formulated and manufactured in compliance with the EuPIA "Good Manufacturing Practices (GMP) – Printing Inks for Food Contact Materials" published by EuPIA, the European Printing Ink Association.
- To prevent any contamination with components from conventional inks, the NewV MGA products are manufactured in a separate production area specifically designated for this purpose.
- The products are compliant with section 12 ("printing inks") of the Swiss Ordinance 817.023.21 (Verordnung des EDI über Bedarfsgegenstände vom 23. November 2005.).

The manufacturer (printer, converter) of the packaging and the filler who puts the foodstuff into the packaging have the legal responsibility to verify that the finished product fulfils the legal and industrial requirements. Migration testing with suitable food simulants is recommended, particularly in cases of high ink coverage, light weight substrates, or in cases where the packaging/foodstuff ratio differs considerably from the "EU cube" model assumption.

To allow other members of the packaging chain to assess compliance of the printed packaging with the Framework Regulation (EC) No.1935/2004, the Plastics Regulation (EU) No. 10/2011 and/or the Swiss Ordinance 817.023.21, the "Statement of Composition" (SoC) is available on request. Please note that when carrying out a risk assessment, paper, board and many plastic materials, like PE or PP are not sufficient barriers for migratable substances from UV curing inks and varnishes.

Only the activator pastes are not suitable for printing primary food packaging or secondary packaging where the primary layer is not a barrier against migration of substances from the printed layer to the packed product. More information on the subject of packaging for food, cosmetics, pharmaceutical products, tobacco can be found in the information sheet *50.G.002 NewV for food packaging*. Please also find information on the webpage of the European Printing Ink Association: www.eupia.org.

Classification

Safety data sheet is available on request.

Shelf life

The minimum shelf life of these products is 6 months from the production date if the container is not opened. But dependent on the storing and handling conditions, they can be usable much longer. For extending the warranty period, please contact our sales representatives.

Further information: Store between 5 - 25°C. Higher storage temperature may reduce shelf life. Protect from frost and sunlight. The cans need to be closed back immediately after usage.

Packaging

Paste:

2,5 kg one-way metal tin

Liquid:

1 kg one-way plastic bottle

10 kg one-way plastic can

Washup solution:
10kg one-way plastic can
200kg one-way plastic barrel