

Technical Information

Frimpeks UV Additives for UV Flexo Inks

A newly developed additive series designed for UV flexo inks

Product Range:

A myriad of products including UV Defoamer, UV Cure Promoter, UV Viscosity and Tack Reducer, UV Leveling Agent, and UV Antistatic Additive

Technical Details:

Code	Denomination	Application	Mixing Ratio	Notes
101723	UV DEFOAMER 71140	Defoamer and deaerator	0,05-1%	Additive must be incorporated with sufficiently high shear
77022	UV CURE PROMOTER 77022	Cure promoter for dark colors	2-4%	Additive is specific for blues, browns, blacks and violets
100179	UV CURE PROMOTER 77021	Cure promoter for light colors	2-4%	Additive is specific for yellows, reds, magentas and whites
100223	UV VISCOSITY DECREASE 72007	Viscosity and tack reducer for light colors	1-5%	-
101472	UV VISCOSITY DECREASE 71057	Viscosity and tack reducer for dark colors	1-5%	-
102522	UV LEVELLING AGENT 71157	Increases leveling	0,1-0,5 %	Check for re-coatability
101355	UV ANTISTATIC ADDITIVE 71005	Increases electric conductivity	3-5%	Do not add to food-grade UV varnish
101510	UV ADDITIVE 71155	Increases Slip	1-5%	Additive is specific for 21420-LS product

Packaging:

Standard Packaging: 1 KG buckets/ More sizes available upon request

Technical Service:

Kindly note that we are ready at any time for competent technical application support on your site.
Please contact our technical staff for additives:
uv@frimpeks.com

Storage:

Optimal Storage Conditions

The optimal storage temperature is between 5°C to 25°C.
Higher storage temperatures reduce shelf-life.

Remark:

- protect from frost
- store in a cool and dark place
- stir well before use
- the lid must be closed immediately after usage

Warranty

If stored correctly, we guarantee a shelf life of 12 months from date of production.
However, we know from practical experience that the additives can remain usable for longer periods if they are properly handled and stored.

Cleaning:

Machine and other equipment can be cleaned with alcohol or other UV cleaning agents

Disclaimer:

The statements listed on this publication are according to our best knowledge. The statements do not exonerate the user from their own responsibility to determine that our products are suitable for their processes. They are intended to inform and advise and are subject to influence from the technical process.

This edition of June 8, 2023 replaces all previous editions. With the present edition all older editions are null and void.

Frimpeks Kimya ve Etiket Sanayi Ticaret A.S.

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Marking:

Marking according to EU legislations:

Our additives fully adhere to regulations such as Reach, 1272/2008 CLP, 453/2010 EU, ROHS III Directive 2015/863, and/or 528/2012 EU regulations. All material safety data sheets (MSDS) are available on request.

Declaration of Composition and Product Declaration:

CEPE / EuPIA – Exclusion List

CEPE is the European Council of producers and importers of paints, printing inks and artists colours whereas EuPIA is the European Printing Ink Group of CEPE. The printing ink industry voluntarily came up with the Exclusion List for specific substances many years ago. The raw materials used by Frimpeks for the formulation of our printing inks/varnishes meet the guidelines of the CEPE / EuPIA Exclusion.

Heavy Metals

CONEG stands for Coalition of North-Eastern Governors in the USA. One of their legislations, adopted by 18 states as of 1998, requires reductions in the amount of the four heavy metals mercury, lead, cadmium, and hexavalent chromium in packaging and packaging components sold or distributed in their member states. For Frimpeks printing inks/varnishes the limits for heavy metals as listed in the CONEG-Regulation (USA) are met. The Euro Norm 71.3 refers to the max level of heavy metals in children's toys. For Frimpeks printing inks/varnishes, the limits for heavy metals as listed in the DIN EN 71-3:2019 are met. Heavy metals are no part of our formulations.

Hazardous Substances

Substances mentioned in the Directive 2015/863 known as RoHS III are not intentionally used in our formulations printing inks/lacquers

SVHC-substances (substances of very high concern):

In our products no substances are used which meet the criteria of SVHC-substances (substances of very high concern). SVHC-substances are substances which are classified as CMR 1 & 2, PBT (PBT pollutants are chemicals that are toxic, persist in the environment and bioaccumulate in food chains), vPvB (Substances that are potentially very persistent and very bioaccumulative) and endocrine disruptors (artificial hormones).

The substances listed in the guide line 67/548/EEC (amended by the directive 2006/121/EC) and in the guide line 76/769/EEC are not part of the formulation of our printing inks/lacquers. Furthermore, we confirm that our printing inks/lacquers are in accordance with the EC regulation 1895/2005 (repeals the guide line 2002/16/EC).

Enhanced Statement of composition (ESoC) is available on request to support with migration testing and compliance with Plastics Regulation (EU) No 10/2011, the Swiss Ordinance 817.023.21 Annex 1 or 6 or listed on the 'Provisional List of Additives used in Plastics' or listed as a food additive in Regulation (EC) No 1333/2008 and Regulation (EC) 1334/2008.

Quality Assurance:

ISO 9001

The production site of Frimpeks is certified according to DIN EN ISO 9001:2015

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