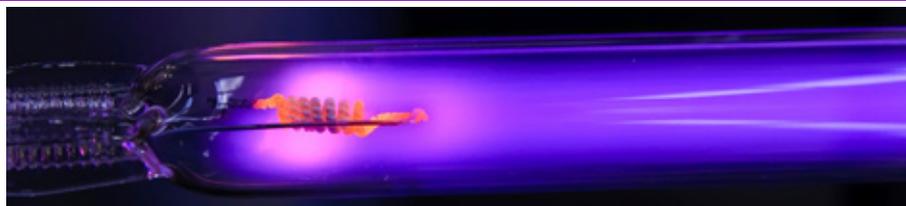


## PRODUCT GROUP 500

### Series 533

UV-Bottle Printing Ink for Plastics  
LOW MIGRATION



The UV-Screen printing inks of Series 533 have been developed for printing of container plastics like HD-PE or PP on fast running screen printing equipment. The polymerized ink layers are highly glossy and of excellent mechanical and chemical resistance.

#### Low in migration according Nestlé Guidance Note on Packaging Materials:

After complete UV-curing, the inks are low in migration. Thus, the **Guidance Note on Packaging Inks** of Nestlé has been applied during development. Also this ink series is completely compliant with the latest guidelines for food packaging and fulfills the demands of last alliteration of Customer Goods Regulation. So, the raw materials are listed in the **Swiss Ordinance on Materials and Articles (SR 817.023.21)**. Unquestionably, the ink series corresponds with **EN71, part 3**.

The raw materials used in this UV-Inks are low in irritation, non-toxic nor problematic in any other form (after today's standards of physiological and ecological criteria and to the testing methods on hand). The ink series is therefore labeling free and does not face any transport restrictions. The inks are free of organic solvents. Nevertheless, when using these inks it is recommended to closely follow the advice of the "Bundesverbandes Druck" (Germany) using UV-curable inks.



#### SUBSTRATES

HD-PE/PP (flamed or Corona pre-treated)

Other materials after pre-tests



#### USE

##### Application

Decorative and functional application on directly printed packaging materials, i.e. containers like bottles, cans, bins, cartridges, a. s. o., but also on different one-way-articles and shutters/locks.



#### PROPERTIES, PROCESSING, DRYING AND MESH

**Mesh** 150-31 Y PW PET 1000

**Drying / Curing** 150-250 mJ/cm<sup>2</sup> (250-410 nm, max. 365 nm / Technigraf Integrator)

**Further Processing** -



#### ADDITIVES

Additive	Availability	Addition Ratio	Notes
Thinner	Press-ready	-	
Retarder	Press-ready	-	
Hardener	Series 500-GL (for difficult substrates)	Addition Ratio	5 % by weight
Thixotropy paste	Serie 500-039	Addition Ratio	max. 15 % by weight



#### VARIOUS

**Delivery Conditions** 1 kg / 5 kg / 20 kg

**Other** 12 basic colors as well as metallic colors are available



#### Disclaimer

Please thoroughly read the Material Safety Data Sheet (MSDS) prior to processing. The Material safety Data Sheets according to 91/155/EWG form, contain indications of hazardous ingredients. Exposure levels and instructions for precautions when processing, handling and storing as well as first aid. The information given in the MSDS refers to the processing as described within this technical leaflet. Above data are based on laboratory tests and field experience. All therein contained statements are to the best of our knowledge without any obligation from our side and do not discharge from testing the product by yourself. In doubtful cases, you are kindly requested to either perform your own tests or refer to our technical staff. Application, use and processing of the delivered products are beyond our control and are therefore at your own risk and responsibility. Printcolor is thus free from any guarantees or liabilities. In cases of justified complaints, Printcolor can only be made liable for the counterpart of the utilized ink system. Adding not stated products or foreign / competitors products, is solely at your own risk and liberates Printcolor of any later calls; especially in cases when damages occurred and which have been caused through use of products of foreign type. This leaflet replaces all former issues. (08/2010)