

# COLORANTS FOR THE PRINTING INDUSTRY



# PIGMENTS AND DYES FROM SUDARSHAN

Sudarshan supplies pigments and dyes for the printing industry. On the following pages we give a general overview of our products indicating their possible uses in the main application fields. We would however point out that this classification is simply a general guide that is intended to make it easier to select suitable products from our range of colorants.

Our sales organizations and our technical marketing team will be pleased to give you further information.

Suitability e.g. for the coloration and printing of food packaging is subject to statutory requirements which differ from country to country. It is the customer's responsibility to comply with applicable laws and regulations.

It has been known for some considerable time that diaryl pigments can release 3,3'-DCB when they are processed at temperatures above 200 °C.

The following pigments mentioned in the brochure are diaryl pigments:

Pigment Yellow 12  
Pigment Yellow 13  
Pigment Yellow 14  
Pigment Yellow 17  
Pigment Yellow 83  
Pigment Orange 13  
Pigment Orange 34

These products must not be used at processing temperatures above 200 °C because of possible thermal decomposition (see safety data sheets) even if no shade change occurs at elevated processing temperatures.

# STANDARD RANGE OF ORGANIC PIGMENTS

Sudarshan has a very broad global portfolio of organic pigments and covers a wide range of requirements with its various ranges. To provide a quick overview they are all listed in one table sorted by color index. The descriptions of the individual ranges provide further information.

## Characteristics of the various product ranges

### HOSTAPERM® PIGMENTS

The Hostaperm range comprises organic pigments noted for their excellent fastness properties. Pigments selected from this range typically exhibit outstanding fastness to light and weathering and excellent fastness to migration.

### PV FAST® PIGMENTS

Optimized for plastic applications, these pigments also show admirable performance in various printing applications particularly those that need characteristics more typically required in polymer processing.

### NOVOPERM® PIGMENTS

Novoperm pigments exhibit superior fastness properties, when compared to our Permanent product range. These products are designed to be used in printing inks that need to meet more stringent performance targets.

### PERMANENT PIGMENTS

Permanent grade pigments are used in printing inks because of their high tinctorial strength and good all round fastness properties. Within this class there are a number of special P-grades specifically enhanced to offer improved performance in inks for packaging applications.

### HANSA® PIGMENTS

The Hansa grade pigments are noted for their very good fastness to light particularly in full shade. Their fastness to other products and conditions are typically less pronounced and need to be confirmed to ensure suitability in specific applications.

### HEUCO®/SUDACOLOR™ PIGMENTS

The Heuco and Sudacolor ranges of high-performance organic pigments are specially developed for the printing industry and cover a wide range of C.I. for a variety of requirements.

### SUDAPERM™ PIGMENTS

The Sudaperm range of high performance pigments deliver excellent thermal stability, weather resistance and light fastness making them suitable for high end applications.

### SUDAFAST™ PIGMENTS

The Sudafast range of high-quality medium performance organic pigments is suitable for a variety of coloration requirements. Known for their excellent color strength, light and weather fastness and high chemical resistance.

PRODUCT	COLOUR INDEX											
		Liquid Inks	Waterbased	Solvent Based	UV Curing	Paste Inks	Offset	Metal Decorative	Silk Screen	UV Curing	Specialty Printing Inks	Decorative Lamination
Hansa Yellow G 02	P. Y. 1	■	■	■	■	■			■	■		
Hansa Yellow 10G	P. Y. 3	■	■	■	■	■	■		■	■		
Hansa Yellow 10G 41 gran.	P. Y. 3	■	■			■	■		■			
Permanent Yellow DHG	P. Y. 12	■	■	■	■	■	■	■		■		
Permanent Yellow GR 01	P. Y. 13	■	■	■	■	■	■			■		
Sudacolor Yellow 169	P. Y. 13	■	■			■	■		■			
Sudacolor Yellow 171D	P. Y. 13	■			■	■	■					
Permanent Yellow P-G	P. Y. 14	■		■		■	■					
Permanent Yellow P-GT	P. Y. 14	■		■								
Permanent Yellow PGO	P. Y. 14	■		■								
Permanent Yellow GG 02	P. Y. 17	■	■	■		■	■	■				
Sudacolor Yellow 163	P. Y. 17	■		■		■	■	■				
Hansa Brilliant Yellow 4GX	P. Y. 73	■	■	■		■	■		■			
Hansa Brilliant Yellow 2GX 70	P. Y. 74	■	■	■	■	■	■		■	■		
Hansa Brilliant Yellow 5GX 03	P. Y. 74	■	■	■	■	■	■		■	■		
Novoperm Yellow HR	P. Y. 83	■	■	■	■	■	■	■		■		
Novoperm Yellow HR 02	P. Y. 83	■	■		■	■	■	■		■		
Novoperm Yellow HR 04	P. Y. 83	■	■	■	■	■	■	■		■		
Novoperm Yellow HR 70	P. Y. 83	■	■		■	■	■	■	■	■	■	■
Novoperm Yellow P-HRE	P. Y. 83	■		■								
Sudafast Yellow 166D	P. Y. 83	■		■								
Novoperm Yellow FGL	P. Y. 97	■	■	■	■	■	■	■	■	■	■	■
Novoperm Yellow H2G	P. Y. 120	■	■	■		■	■	■	■		■	■
Novoperm Yellow P-M3R	P. Y. 139	■		■	■	■	■	■	■	■	■	■
Heuco Yellow 115003	P. Y. 150	■	■								■	■
Hostaperm Yellow HN4G	P. Y. 150										■	■
Hostaperm Yellow H4G	P. Y. 151	■	■	■	■	■	■	■	■	■	■	■
Hostaperm Yellow H3G	P. Y. 154	■	■	■		■	■	■	■		■	■
Novoperm Yellow 4G 01	P. Y. 155	■	■	■	■	■	■	■	■	■	■	■
Novoperm Yellow 5GD 71	P. Y. 155	■	■	■	■	■	■	■	■	■	■	■
Hostaperm Yellow H6G	P. Y. 175	■	■	■		■	■	■	■		■	■
Novoperm Yellow P-HG	P. Y. 180	■	■	■	■	■	■	■	■	■	■	■
PV Fast Yellow HG	P. Y. 180										■	■
Sudaperm Yellow 2908D	P. Y. 180	■		■		■	■	■				
Novoperm Yellow F2G	P. Y. 194	■	■		■	■	■	■	■	■	■	■
Hansa Red GG	P. O. 5	■	■	■	■	■	■		■	■		
Permanent Orange G	P. O. 13	■	■	■	■	■	■	■		■		
Permanent Orange RL 70	P. O. 34	■	■	■	■	■	■	■				
Sudacolor Orange 211D	P. O. 34	■	■			■	■					
Novoperm Orange HL	P. O. 36	■	■	■	■	■	■	■	■	■	■	■
Novoperm Orange HL 70	P. O. 36	■	■	■	■	■	■	■	■	■	■	■
Novoperm Red HFG	P. O. 38	■	■	■	■	■	■	■	■	■	■	■

PRODUCT	COLOUR INDEX											
		Liquid Inks	Waterbased	Solvent Based	UV Curing	Paste Inks	Offset	Metal Decorative	Silk Screen	UV Curing	Specialty Printing Inks	Decorative Lamination
Novoperm Orange H5G 70	P. O. 62	■	■	■	■	■	■		■	■	■	■
PV Fast Orange H4GL 01	P. O. 72	■			■	■	■	■				
Heuco Red 300203	P. R. 2	■	■									
Heuco Red 300204	P. R. 2	■	■									
Permanent Red FRR	P. R. 2	■	■	■	■	■	■			■		
Sudacolor Red 316	P. R. 2	■	■									
Sudacolor Red 313D	P. R. 2	■	■	■		■	■		■			
Hansa Red B	P. R. 3	■	■	■		■	■					
Hansa Red 3B	P. R. 3	■	■	■		■	■					
Hansa Scarlet RNC	P. R. 3	■	■	■		■	■					
Hansa Red R	P. R. 4	■	■	■		■	■					
Permanent Bordeaux FRR	P. R. 12	■	■	■		■	■					
Permanent Red LB 01	P. R. 48:2	■	■	■	■	■	■	■		■		
Permanent Lake Red LCLL	P. R. 53:1	■	■	■	■	■	■	■		■		
Permanent Lake Red LCY	P. R. 53:1	■	■	■	■	■	■	■		■		
Sudacolor Red 511	P. R. 53:1					■	■					
Permanent Rubine L4B 01	P. R. 57:1	■	■	■	■	■	■	■	■	■		
Permanent Rubine L5B 01	P. R. 57:1	■	■	■	■	■	■	■	■	■		
Sudacolor Red 607D	P. R. 57:1	■		■								
Sudacolor Red 623	P. R. 57:1	■			■	■	■					
Permanent Red FGR	P. R. 112	■	■	■	■	■	■			■		
Permanent Red FGR 02	P. R. 112	■	■	■	■	■	■			■		
Permanent Red FGR 03	P. R. 112	■	■	■	■	■	■			■		
Permanent Red FGR 70	P. R. 112	■	■	■	■	■	■		■	■		
Hostaperm Pink E	P. R. 122	■	■	■	■	■	■	■	■	■	■	■
Hostaperm Pink E 02	P. R. 122	■	■	■	■	■	■	■	■	■	■	■
Sudaperm Pink 2999D	P. R. 122	■	■		■	■	■					
Sudaperm Pink 3002D	P. R. 122	■		■								
Permanent Carmine FBB 02	P. R. 146	■	■	■	■	■	■			■		
Permanent Carmine FBB 07	P. R. 146	■		■								
Hostaperm Scarlet GO	P. R. 168	■	■	■		■	■	■	■		■	■
Novoperm Red F2RK 70	P. R. 170	■	■	■	■	■	■	■	■	■	■	■
Novoperm Red F3RK 70	P. R. 170	■	■	■	■	■	■	■	■	■	■	■
Novoperm Red F5RK	P. R. 170	■	■	■	■	■	■			■	■	■
Novoperm Carmine HF3C	P. R. 176	■	■	■	■	■	■	■	■	■	■	■
Permanent Rubine F6B	P. R. 184	■	■	■	■	■	■			■		
Novoperm Carmine HF4C	P. R. 185	■	■	■	■	■	■	■	■	■		
PV Fast Red HF4B	P. R. 187	■	■	■		■	■	■	■	■	■	■
Novoperm Red HF3S	P. R. 188	■	■	■	■	■	■			■	■	■
Novoperm Red HF2B 01	P. R. 208	■	■	■	■	■	■	■	■	■	■	■
Permanent Red P-FK	P. R. 210	■	■	■	■	■	■			■		
PV Fast Red BNP	P. R. 214	■	■	■	■	■	■	■	■	■	■	■
Heuco Red 325401	P. R. 254	■	■	■	■	■	■				■	■
Heuco Red 325405	P. R. 254	■	■									

PRODUCT	COLOUR INDEX												
		Liquid Inks	Waterbased	Solvent Based	UV Curing	Paste Inks	Offset	Metal Decorative	Silk Screen	UV Curing	Specialty Printing Inks	Decorative Lamination	
PV Fast Red D3G	P. R. 254	■	■	■	■	■	■	■	■	■	■	■	■
Hostaperm Red E2B 70	P. V. 19	■	■	■	■	■	■	■	■	■			
Hostaperm Red E3B	P. V. 19	■	■	■	■	■	■	■	■	■	■	■	■
Hostaperm Red E5B 02	P. V. 19	■	■	■	■	■	■	■	■	■	■	■	■
Hostaperm Red Violet ER 02	P. V. 19	■	■	■	■	■	■	■	■	■	■	■	■
Hostaperm Violet P-RL	P. V. 23	■	■	■	■	■	■			■			
Hostaperm Violet RL 02	P. V. 23	■	■	■	■	■	■	■	■	■	■	■	■
Hostaperm Violet BL 01	P. V. 23	■		■									
Sudaperm Violet 2948D	P. V. 23	■		■									
Novoperm Bordeaux HF3R	P. V. 32	■	■	■		■	■	■		■	■	■	■
Heuco Blue 515303	P. B. 15:3	■		■	■	■	■			■			
Heuco Blue 515303F	P. B. 15:3					■	■			■			
Sudafast Blue 2779D	P. B. 15:3	■		■									
Sudafast Blue 2786D	P. B. 15:3	■	■			■	■						
Heuco Blue 515400	P. B. 15:4	■		■									
Hostaperm Blue BT-617-D	P. B. 15:4	■	■	■	■	■	■		■				
Sudafast Blue 2792D	P. B. 15:4	■		■									
Heuco Green 600734	P. G. 7	■	■	■		■	■						
Heuco Green 600735	P. G. 7	■	■	■		■	■						
Hostaperm Green GNX	P. G. 7	■	■	■	■	■	■	■	■	■			
Sudafast Green 2718D	P. G. 7	■		■									
Sudafast Green 2719D	P. G. 7	■	■										
Hostaperm Brown HFR 01	P. B. 25	■	■	■		■	■	■	■		■	■	■

## FLEXOPRINT PIGMENTS

Flexoprint pigments are surface-treated special pigments for aqueous gravure and flexographic printing inks. These products, when appropriately dispersed, are noteworthy for their respective transparency and jetness as compared to standard aqueous dispersions.

PRODUCT	COLOUR INDEX												
		Liquid Inks	Waterbased	Solvent Based	UV Curing	Paste Inks	Offset	Metal Decorative	Silk Screen	UV Curing	Specialty Printing Inks	Decorative Lamination	
Flexoprint Yellow HR	P. Y. 83	■	■										

# STANDARD RANGE OF DYES

## SAVINYL DYES

As solvent soluble dyestuffs, Savinyl dyestuffs exhibit very good compatibility with many of the binders commonly used in the printing ink industry. High color strength combined with excellent gloss and transparency make them particularly suitable for use in transparent foil lacquers as well as in flexographic and gravure printing inks.

PRODUCT	COLOUR INDEX											
		Liquid Inks	Waterbased	Solvent Based	UV Curing	Paste Inks	Offset	Metal Decorative	Silk Screen	UV Curing	Specialty Printing Inks	Decorative Lamination
Savinyl Yellow 2 GLS 01	S. Y. 79	■		■								
Savinyl Yellow 2RLS	S. Y. 62	■		■								
Savinyl Yellow RLSN	S. Y. 83	■		■								
Savinyl Yellow RLS	S. Y. 83:1	■		■								
Savinyl Orange RLSE	S. O. 62	■		■								
Savinyl Orange RLS	S. O. 41	■		■								
Savinyl Pink 6BLS	S. R. 127	■		■								
Savinyl Fire Red 3GLS	S. R. 124	■		■								
Savinyl Red 3BLS	S. R. 91	■		■								
Savinyl Blue RS	S. B. 45	■		■								
Savinyl Blue GLS	S. B. 44	■		■								
Savinyl Green 2GLS 01	Dye Mix	■		■								
Savinyl Brown GLS	Dye Mix	■		■								
Savinyl Black RLSN 01	S. B. 27	■		■								



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Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets (MSDS) which include relevant safety precautions for handling and storage, are available upon request and are provided in accordance with applicable legal requirements. Users are advised to obtain and review the relevant MSDS prior to handling any product. Users shall bear sole responsibility for determining the suitability of our products for their intended applications whether or not the end application is known to us.

As the performance of pigments is influenced by factors like additives, polymers, and processing conditions, customers are strongly advised to conduct their own testing to verify suitability in end-use applications. Any deviation from recommended usage or processing conditions may adversely affect product performance and results. (Version 1/2026)

Caution: We offer a designated range of pigments specifically developed for use in cosmetics and food packaging materials. Only products designated for these applications should be used. We do not recommend that any of our products are used in sensitive applications which may come in contact with internal body organs or body fluids. For additional information, please contact us. (Version 1/2026)

Color Reproduction: For technical reasons connected with color reproduction, the colors shown may not exactly match the pigment colors and do not represent a particular finish. (Version 1/2026)

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