

REFRESHING COLOR SOLUTIONS HOME AND PERSONAL CARE





HEUBACH COMPETENCE IN COLORS

Heubach offers a broad portfolio of colorants to enhance the appearance and performance of home and personal care formulations. Our broad range of colorants includes:

$\mathsf{DUASYN}^{ ext{@}}$

 Used for coloration of home and fabric care products in liquid, paste, or powder form

DUASYN SUPER GRANULES

- Whitening dyes with patented encapsulation technology
- Enhances the whiteness of fabric
- Non-bleeding, does not stain the white detergent powder
- Non-dusting and easy to handle during production

SANOLIN™

- Used for coloration of home and fabric care products in liquid, paste, or powder form
- Microbiological purity specified

FAT

 Used for coloration of home care products based on organic solvents, oil, fat, or wax such as polish, air freshener, etc.

$\mathsf{SOLVAPERM}^{\mathbb{R}}$

These dyes are used for the coloration of home care products based on organic solvents, oil, fat, or wax such as polish, air freshener etc.

COSMENYL™

- Readily pumpable and flowable aqueous dispersions
- Included in at least one of the authorized use lists for cosmetic colorants for the EU, USA or Japan
- Selected for coloration of toiletries and cosmetics or home and fabric care products in liquid, paste or powder form
- Microbiological purity specified and free of APEO

CC FINE PASTE

- Hydrophilic, highly concentrated readily pumpable and flowable aqueous dispersions
- Selected Fine Pastes are included in at least one of the application fields of IS 4707, Part 1
- Environmentally friendly APEO-free products

FLEXONYL®

Flowable and pumpable pigment preparations specially developed for tinting aqueous systems. These high concentrated pigment preparations are based on nonionic dispersing and wetting agents.

FLEXONYL SP

Flexonyl SP is a newly developed range of pigment preparations which covers most of the current regulation relevant for the following application fields:

■ Detergents; especially powder detergent speckles

They could be delivered with micro-biological specification on request.

COSMENYL GRANULES

- Dry, granulated pigment preparations containing an anionic dispersing agent
- Non dusting, very small particle size (< 1 mm), easy to disperse in cold water
- Fulfil purity requirements of the EU Cosmetic Directive, Microbiological specification

The tables (shown inside) contain a selection of colorants successfully used in home and personal care applications. Included in Heubach's extensive portfolio is a multitude of other colorants which may perform perfect in your specific application. Please do not hesitate to contact our experts for additional product and application recommendations.

Additionally, the final formulation has an impact on the color appearance. Please conduct preliminary tests to match the shade to your requirements.

Heubach utilizes its global network of production and service facilities to satisfy customer's requirements. We have technical competence centers for the home and personal care industries in three continents: Europe (Germany), the Americas (Brazil, Mexico, United States) and Asia (China, India, Malaysia).

As a supplier to the consumer goods industry, we provide comprehensive support in the areas of product safety, toxicology and regulations.

IS 4707 (PART 1) 2001

This standard lists dyes, colors, pigments which are generally recognized as safe (GRAS) for use in cosmetics in India.

FIELDS OF APPLICATION AS PER IS 4707 (Part 1) 2001

- 1. All cosmetic products
- 2. Not to be used in eye products
- 3. Not to be used in products applied to mucous membrane
- 4. For rinse-off products only.

In general the manufacturer of the formulation is responsible to use ingredients that meet the respective regulations.



COLORANT NAME	SHADE	C.I. NAME	C.I. NO.	APPLICATION AS PER IS 4707	ALL PURPOSE CLEANER	GLASS CLEANER	ABRASIVE POWDERS	CLEANER CONTAINING CHLORINE BLEACH	TOILET CLEANER		FLOOR POLISH	SHOE POLISH CAKE	LIQUID SHOE POLISH	FURNITURE CARE PRODUCTS	RADIANT FROST PROTECTION LIQUID	AUTO DISH WASH TABLET	AUTO DISH WASH GEL / LIQUID	DISH WASH BAR	LIQUID DETERGENT	DETERGENT BAR DETERGENT SPECKLES	POWDER DETERGENT	OIL SOAP	TEXTILE WHITENER	LAUNDRY SOFTENER	TOILET SOAP	TRANSPARENT SOAP	LIQUID SOAP / SHOWER GEL	HAIR OIL	SI YLING GEL	MOUTH WASH	TOOTH POWDER	GEL TOOTH PASTE	TOOTH PASTE OPAQUE	DEODORANT	AFTER SHAVE	MAKE-UP / SHADING COMPACT / POWDER	EYE LINER / MASCARA	LIPSTICK
■ SANOLIN™																																						
SANOLIN QUINOLINE YELLOW 70		Acid Yellow 3	47005	1	•	•		- 1				_	-	-	•	•	•	-	•	- •	_	-		•	0	•	•				_	Ŀ	•	•	•			
SANOLIN TARTRAZINE X 90		Acid Yellow 23	19140	1	-	•	0	-				_	-	-	_	_	•	-	-		-		-	•	0	•	•	- () <u> </u>		_	•	_	-	•		-	
SANOLIN YELLOW BG 30		Direct Yellow 28	19555	-	•	•	0					_	_	-		<u>. </u>	•	_			_			-	-	_	_				_	-		-				
SANOLIN ORANGE RGL 90		Food Yellow 3	15985	1	•	•	0							-							_			•	0	-	•	- () <u> </u>			·	•	-	٠			
SANOLIN PONCEAU 4RC 82		Acid Red 18	16255	1	_	•	0	-				_	_	-		•	•		-		_		_	•	0	•	•) <u> </u>			•	_		•			-
SANOLIN RHODAMINE B 02		Acid Red 52	45100	4	_	•	•	- 1	<u> </u>		-	_	_	-	·				•	- •	_		-		-	-	•			-	_	-						-
SANOLIN BLUE AE 90		Acid Blue 9	42090	1	_	•	0	-			-	_	_	_			•		•	<u> </u>				•	0	•	•	- () <u> </u>		_	•	_		•			-
SANOLIN PATENT BLUE V 85 01		Food Blue 5:2	42051:2	2 1	_		0	<u>-</u>			<u> </u>	_	_	_					•					•	0	-	•	- () <u> </u>	•	_				•			-
SANOLIN BLUE EHRL		Acid Blue 182	-	_	_	0	•	- 1						_	· ·	_	•		•	- •	_				-	-												_
SANOLIN BLUE AS-NBL-IN		Acid Blue 80	-	4	•	0	•	- 1				_				<u>. </u>	•		•	- •	_			•			•	- 0) <u> </u>	<u> </u>								_
SANOLIN TURQUOISE BLUE FBL		Direct Blue 199	74190		•	•	•					_			0						_																	-
B DUASYN®																																						
DUASYN QUINOLINE YELLOW 70-IN		Acid Yellow 3	47005	1	•	•	•	- 1			-	_	_	-	•	•	•	-	•	- •	_			•	0	•	•	-			_	•	•	•	•			-
DUASYN PONCEAU 4RC 82		Acid Red 18	16255	1	•	•	0	_				_	_	_		•	•	-			_			•	0	•	•	- 0) I			•	•		•			-
DUASYN RED N-6B		Acid Violet 54	-	_	•	0	0					_	_	_			•		-		_				-	-	-					-						
DUASYN RED VIOLET E2R		Acid Violet 126	-	_	•	0	0					_	_	_			-	-	-		_		0		-	-	-					<u>-</u>		<u>-</u>				-
DUASYN VIOLET FBL		Acid Violet 48	-		•	0	0			. <u> </u>			_	_	· ·						_		·			-						<u>-</u>					<u> </u>	
DUASYN VIOLET SP-IN		Direct Violet 66	29120	_	<u>.</u>	0	0 _						_	_	· ·		-		-		_		0			-	-					<u>-</u>						
DUASYN ACID VIOLET 4BN-IN		Acid Violet 17	_	-	_	0	0					_	-	-	· ·				-		-		0	<u>-</u>	-	-	-											-
DUASYN ACID BLUE AE 03		Acid Blue 9	42090	1	_	0		- (o <u> </u>	_		_	_	_					-		_				-	-					_	<u>-</u>						-
DUASYN BLUE NBL		Acid Blue 80	61585	4	_	0	•							_			•		•		_			•			•	- 0	<u> </u>	-							<u> </u>	-
DUASYN INK BLUE SLK		Acid Blue 93	42780	_				- 1	<u> </u>			_	_	_							_				-													-
■ DUASYN® SUPER GRANS.	<u></u>	_																			_																	
DUASYN VIOLET 6LN SUPER GRAN.		Mix	-	-	_	-				- -			-	_	-			-	-		•					-				- -		<u>-</u>						-
FAT	_											_																										
FAT YELLOW 3G		Solvent Yellow 16	12700	-	-		-	-	-	•	ı o	•	_	·	-	-	-	-	-		_	•	_		· .	-	-	•		-	-	<u>-</u>	-				-	-
FAT BLUE B 01		Solvent Blue 35	61554	_	-	-	_	_ .	_ .	-	0	•	_	0	-	-	-	-	-	_	_	•	-	-	0	-	_	•			_	-	_	_		-	-	-

 $[\]begin{tabular}{ll} \hline & recommended & & \circ & limited suitability \\ & 2 & & \\ \hline \end{tabular}$

COLORANT NAME	SHADE	C.I. NAME	C.I. NO.	APPLICATION AS PER IS 4707	ALL PURPOSE CLEANER	GLASS CLEANER	ABRASIVE POWDERS	CHLORINE BLEACH TOIL ET CLEANER	TOILET BLOCKS	AIR FRESHNER	FLOOR POLISH	SHOE POLISH CAKE	LIQUID SHOE POLISH	FURNITURE CARE PRODUCTS	RADIANT FROST PROTECTION LIQUID	AUTO DISH WASH TABLET	LIQUID	LIQUID DETERGENT	DETERGENT BAR	DETERGENT SPECKLES	POWDER DETERGENT	OIL SOAP	TEXTILE WHITENER	TOILET SOAP	TRANSPARENT SOAP	LIQUID SOAP / SHOWER GEL	HAIR OIL	STYLING GEL	SHAMPOO	MOUTH WASH	TOOTH POWDER	GEL TOOTH PASTE TOOTH PASTE OPAQUE	IUUIH PASIE OT AGOL	DEODORANT AFTER SHAVE	MAKE-UP / SHADING COMPACT / POWDER	EYE LINER / MASCARA	LIPSTICK
a SOLVAPERM®																																					
SOLVAPERM YELLOW 3G		Solvent Yellow 93	48160	-		-	-		_		0	0	-	0		-	-		_			•		. 0	_		Ŀ	-	-					<u> </u>			-
SOLVAPERM VIOLET RSB		Solvent Violet 13	60725	-		-	-		_		0	0	-	0		-			-			•		0	_	_	_		-		-						
SOLVAPERM GREEN GSB		Solvent Green 3	61565	1		-			_		0	0	-	0		-			_		_	•		. 0	-		•	-	-								-
■ FINE PASTES®																																					
CC YELLOW FP 517		Pigment Yellow 1	11680	3	-	-	0		-	-	-	-	-	-	-	-		-	•	0	•	•			-	-	-	-	-	-	-				-	-	-
CC YELLOW FP 512		Pigment Yellow 83	3 21108	4	-	-	0		-	-	-	-	•	-	-	-	- 1	-	•	0	•	•			-	-	-	-	•	-	-				-	-	-
CC OXIDE YELLOW FP 401		Pigment Yellow 42	77492	1	-	-	0		-	-	_	-	-	_	-	-	- 1	-	•	0	•	•			_	-	-	-	•	-	-				-	-	-
CC RED FP 549		Pigment Red 3	12120	4	-	-	0		-	-	-	-	-	-	-	-	-		-	0	-	•			-	_	-	-	•	_	-						-
CC RED FP 547		Pigment Violet 19	73900	4	-	-	0			-	-	-	-	-	-	-	- 1	-	•	0	•	-			-	_	-	_	•	-	-				-	-	-
CC RED FP 554		Pigment Red 170	12475	-	_	-	0		-	_	_	-	•		-	-	_	-		0	•	•		_	_	_	-		-	_	-				_		-
CC OXIDE RED FP 421		Pigment Red 101	77491	1	_	-	0			-	-	-	-	_	-	-	- 1	-	•	0	•	•			-	_	_			-	-					_	-
CC OXIDE ORANGE 411		Mix of PY 42 & PR 10	1 -	1	_	_	0			_	_	-	-	_	-	-	- 1	-	•	0	-	-			-	_	_			_	_		-				-
CC BLUE FP 612		Pigment Blue 15:0	74160	1	_	_	0		-	-	-	-	-	_	-	-	- 1	-		0	-	•			-	_	_		•	_	_						-
CC BLUE FP 615		Pigment Blue 15:3	74160	2	_	-				-	_	_	•	_	-	-	- 1			0	_	-			-	_	_		-								_
CC VIOLET FP 591		Pigment Violet 23	51319	4	_	-	0			-	_	-		-		-	- 1		•	0	•				-	_	-		_	_	_						-
CC GREEN FP 631		Pigment Green 7	74260	2	_	-				_	_	_		_	_	-	- 1			0	_				_	_	_			_	_					_	_
CC BLACK FP 683		Pigment Black 7	77266	1	_	-	0				_	-		_	_	-	- 1			0	_				-	_	_			-	-						_
CC FPH YELLOW 517		Pigment Yellow 1	11680	3	_	_	0			_	_	_	_	_	_	_	- 1				_	-			_	_	_			_	_						_
CC FPH BLUE 617		Pigment Blue 15:0	74160	1		_				_	_	-	_			_					_						_		_								_
CC FPH GREEN 636		Pigment Green 7	74260	2	_	_					_	_	_		_	_	- 1			_	_				_	_	_		_	_	_						_
■ VISCOFIL®																																					
VISCOFIL WHITE A-RCL 30		Pigment White 6	77891	1	_	_	-		_			-	-	_	_	_					_					_	-	_	-								-
■ FLEXONYL®														_																							
FLEXONYL YELLOW G 30-IN		Pigment Yellow 1	11680	3	-	-	-			-	-	-	0	-	-	-	- 1	-	•	0	-	•		•	•	-	-	-	-	-	_					-	-
FLEXONYL ORANGE R-IN		Mix	21110	-	_	-	-			_	_	_	0	_	-	-	- 1	-	•	•	•	•		_	_	-		<u>-</u>	-	<u> </u>	- -					- -	-
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recommended o limited suitability4

COLORANT NAME	C.I. NAME	C.I. NO.	APPLICATION AS PER IS 4707	ALL PURPOSE CLEANER	GLASS CLEANER	ABRASIVE POWDERS CLEANER CONTAINING	TOILET CLEANER	TOILET BLOCKS	AIR FRESHNER	FLOOR POLISH	SHOE POLISH CAKE	LIQUID SHOE POLISH	FURNITURE CARE PRODUCTS	RADIANT FROST PROTECTION LIQUID	AUTO DISH WASH TABLET ALITO DISH WASH GE! /	LIQUID	DISH WASH BAR	DETERGENT BAR	DETERGENT SPECKLES	POWDER DETERGENT	OIL SOAP	TEXTILE WHITENER	LAUNDRY SOFTENER	TRANSPARENT SOAP	LIQUID SOAP / SHOWER GEL	HAIR OIL	STYLING GEL	SHAMPOO	MOUTH WASH	ТООТН РОМБЕК	GEL TOOTH PASTE	TOOTH PASTE OPAQUE	DEODORANT AFTER SHAVE	AFIER SHAVE MAKE-UP / SHADING COMPACT / POWDER	EYE LINER / MASCARA	LIPSTICK
■ COSMENYL®																																				
COSMENYL YELLOW 100	Pigment Yellow 1	11680	3		-		-	-	-		-		-	-	-	-	•		0	_	0	-	-		0		0	•	-	-	-	- (o -			
COSMENYL OXIDE YELLOW 100	Pigment Yellow 42	77492	1	-	-	- -	-	-	_	_	_	_	-	-	-	-	•		-	•	0	-	-	•	0	-	0	•	-	-	0		o -		0	-
COSMENYL CARMINE FB 30-IN	Pigment Red 5	12490	1	_	-		_	-	_	_	_	_	_	-	-	_	•			_	0	-	-	_	0	_	0	•	_	-	0		o -		0	_
COSMENYL CARMINE OC 100	Pigment Red 5	12490	1		-		_	-	_	_	_	_	_	-	-	-				_	0	-	-		0		0	•	_	-	0		o -		0	_
COSMENYL VIOLET 100	Pigment Violet 23	51319	4		-		_	-	_	_	_	_	_	-	-		•		0	_	0	-	-		0		0	•	-	-	-	- (o -			
COSMENYL BLUE OC 100	Pigment Blue 15:1	74160	1		-			-		_	_				-		•		_	_	0	-			0		0	•		-	0		o <u>-</u>		0	
COSMENYL GREEN OC 100	Pigment Green 7	74260	2		_			_	_	_	_				-		<u> </u>		_	•	· ·	-	- •		· ·		o	•		-	o I	.	o -		0	-
COSMENYL BLACK C-IN	Pigment Black 7	77266	1				_	_	_	_	_						<u> </u>		0	•	0		- •		0		0	•	_	-	0 1	.	o <u>-</u>		0	
COSMENYL BLACK 100	Pigment Black 7	77266	1				_	_	_	_	_						<u> </u>			•	0		- •	_ •	· ·		o .	•		-	0 1		o -		· ·	-
■ COSMENYL® GRANS.																																				
COSMENYL YELLOW GLS GRAN.	Pigment Yellow 1	11680	3		-		-	-	-	_	-	-			0	o _	0 (0	0	0	0	-	o •				•	•	_	-	-		- 0			-
COSMENYL RED BLS GRAN.	Pigment Red 5	12490	1		-		_	-	-	_	-	-			0	o _	0 (0	0	0	0	-	o •				•	•	0	-			o o		0	-
COSMENYL BLUE BLS 30 GRAN.	Pigment Blue 15	74160	1	_	-	-	_	-		_			_	-	0	0	0 (0	0	0	0	-	0		-		•	•	0	-	-) 0	_	0	-
COSMENYL GREEN 2GLS GRAN.	Pigment Green 7	74260	2		- 1		-	-	-	_	_	_	_	-	0	0	0 (0	0	0	0	-	0		•			•	0	-	•		0 0		0	-
■ PIGMENTS																																				
HANSA® YELLOW 10G	Pigment Yellow 3	11710	3		-	- -	-	-	_		_	_		-	•	-	•		_	_	_	-	- c	_		_	-		_	- [-					-
HANSA YELLOW G-IN	Pigment Yellow 1	11680	3		-		-	-	-	-	-	-		-	•	-	•		_	_	-	-	<u>-</u> c		_	-	-	-	-	-	-					-
HANSA RED R-IN	Pigment Red 4	12085	_		-	- -	_	-	_	_	_	_		-	•	-	•		_	_	_	-	- c	_	_		-	-	-	-	-					
GOSMETIC® PINK RC 01	Pigment Red 181	73360	1		-	- -	_	-	_	_	_	-		-	•	-	•	•	_	•	_	-	- c	_	_		-	-	-	•	- 1					
PERMANENT® CARMINE FB 01	Pigment Red 5	12490	1		- 1	-	_	-	-	_	-	-			•		<u> </u>		_	•			- c		_		<u>-</u>	-	-	•	- 1			_ •	_	
HOSTAPERM® VIOLET RL SPL.	Pigment Violet 23	51319	4				_	-	-	_	-	-			•		<u> </u>	•	_	•			<u>-</u> c		_	_	<u>-</u>		-	-	-				_	
HOSTAPERM BLUE CBR	Pigment Blue 15:0	74160	1				_	-	-	_	-	-			•		<u> </u>	•		•		-	<u>-</u> c		_	_	<u>-</u>		-	•	- 1	•				-
HOSTAPERM BLUE A4R	Pigment Blue 15:1	74160	1		- 1	· -	_	-	-	_	-				•	-	•	•	_	•	<u>-</u>	-	<u>-</u> c		-	-	<u>-</u>	-	-		-			_ •	_	•
HOSTAPERM BLUE BG	Pigment Blue 15:3	74160	1		- 1		_	_	-	_	_				•	-	•		_	•		-	<u>-</u> c		_	_	<u>-</u>	-	-	•	- 1	•		_ •		•
HOSTAPERM GREEN GNX-C	Pigment Green 7	74260	2		- 1		-	-	-	_	-			-	•	-	•		_	•		-	- c	_	-	_	<u>-</u>	-	-	•	-	•			_	•
HOSTAPERM GREEN GNX	Pigment Green 7	74260	-					-	-	_	-			-	-	-	•		_	•		-				_	<u>-</u>		-		-				_	•
HOSTAPERM WHITE 2310	Pigment White 6	77891	1	_ [- -	_		-	-	-	-	•	-	-	-	_	• .		•	•	•	-	-		_	-	-	-	-	_	-	_ .			-	_

[■] recommended o limited suitability



SANOLIN™ LAVE LIQUID - NON-STAINING COLORANTS FOR FABRIC AND HOME CARE APPLICATIONS

The Sanolin Lave Liquid range provides both – bright and brilliant shades combined with easy rinseability from skin, fabrics and surfaces. All colorants are recommended for the coloration of fabric and home care products. The colorants of the Sanolin Lave Liquid range are suitable for the coloration of products marked with well-recognized eco-labels such as the EU Ecolabel or the Nordic Swan.



- Improved non-staining behavior on skin, textiles and surfaces
- High tinting strength
- Excellent transparency and brilliancy
- Microbiological purity is specified and tightly controlled
- Colorimetrically standardized in aqueous solutions
- Easy handling, dosing and cleaning of equipment

SANOLIN LAVE LIQUID PRODUCT PROPERTIES

SHADE	PRODUCT NAME	pH S	TABIL	ITY IN	BUFFE	R SOL	.UTION	IS AFT	ER 4 W	/EEKS	AT 50°0	<u> </u>		
		pH1	pH2	рНЗ	pH4	pH5	pH6	pH7	pH8	pH9	pH10	pH11	pH12	pH13
	SANOLIN LAVE YELLOW GX LIQ.													
	SANOLIN LAVE YELLOW A LIQ.													
	SANOLIN LAVE ORANGE R LIQ.													
	SANOLIN LAVE RED B LIQ.													
	SANOLIN LAVE PINK B LIQ.													
	SANOLIN LAVE VIOLET B LIQ.													
	SANOLIN LAVE BLUE A LIQ.													
	SANOLIN LAVE BLUE T LIQ.													
	SANOLIN LAVE BLUE R LIQ.													
	SANOLIN LAVE GREEN G LIQ.													

FIELDS OF APPLICATION

PRODUCT NAME	LIQUID LAUNDRY DETERGENTS	FABRIC SOFTENERS	LAUNDRY POWDER DETERGENTS	LIQUID DISH WASH DETERGENTS	HARD SURFACE CLEANERS
SANOLIN LAVE YELLOW GX LIQ.					
SANOLIN LAVE YELLOW A LIQ.	•	•		•	•
SANOLIN LAVE ORANGE R LIQ.	•			•	•
SANOLIN LAVE RED B LIQ.	•			•	
SANOLIN LAVE PINK B LIQ.	•	•	•	•	•
SANOLIN LAVE VIOLET B LIQ.		•		•	
SANOLIN LAVE BLUE A LIQ.	•	•	•	•	•
SANOLIN LAVE BLUE T LIQ.	•			•	•
SANOLIN LAVE BLUE R LIQ.	•	•		•	•
SANOLIN LAVE GREEN G LIQ.					











HEUBACH COLORANTS INDIA LIMITED

Formerly Clariant Chemicals (India) Limited

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