

COLORANTS FOR
DIPPED LATEX APPLICATIONS



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Sudarshan offers an extensive range of pigment preparations for the latex industry. Products from our Colanyl®, Cosmenyl®, CC Fine Pastes, Sudafine, Sudatex Pigment preparations ranges have been thoughtfully selected for the application in natural and synthetic rubber systems for the coloration of gloves, balloons and even for other sensitive regulatory latex articles.

These pigment preparations are based on organic and inorganic pigments which have been dispersed using Sudarshan's technology. Consistent, high-quality standards are ensured through our stringent quality control.

This shade card represents the colorant used in four-color process printing. Slight differences might occur in your application. Additionally, the final formulation could have an impact on the color appearance and stability.

Please conduct preliminary tests to confirm suitability in your formulation. Our product portfolio is continuously being improved to keep pace with the dynamic market needs. Due to several local regulations, we can give a guideline on technical suitability of the product only.

We recommend to observe local legislation before finally using the colorants.



COMPLIANCE OVERVIEW

The information refers to the colorants. However, the final confirmation of the observation of the limits generally can only be obtained by testing the final articles. In case of pigment preparations, the Color Index data relate to the base pigments.

Due to several local regulations, we can give guidelines on technical suitability of the product only. We recommend observing local legislation before finally using the colorants.

PURITY

All products meet specific strict purity requirements regarding heavy metal content, primary aromatic amines etc. Some products are additionally microbiologically specified or could be delivered with microbiological specification on request.

Tests for EN 71-3 – Determination of the heavy metal trace impurities: Regarding Directive 2009/ 48/ EC (Toy Safety Directive) we have determined the total contents (after acid digestion) of the heavy metals.

By observation of these stringent criteria, being total contents, the requirements specified in the BfR Recommendation IX and European Resolution AP (89)

1 relating to the ionogenic heavy metal trace impurities and free primary aromatic amines in colorants are automatically met.

Colorants which, according to their chemical structure do contain a heavy metal, i. e.

- Copper phthalocyanines pigments
- Cr (III) complexes
- Cobalt complexes
- Nickel complexes

also meet the heavy metal limits – except for the complexed heavy metal. For complex heavy metal atoms the ionogenic content has to be considered on case by case basis. For some, other heavy metals may be present as impurities in slightly increased amounts. For these heavy metals, the ionogenic content has to be considered as well.

For single products based on non-complexed organic pigments or dyes, however the ionogenic content has to be considered for certain heavy metal(s) due to the manufacturing process.



ECONOMIC COLORANTS FOR LATEX APPLICATIONS

Economic colorants selected from global and regional portfolio are listed in the table below. These products are recommended for cost sensitive technical applications, for which no specific regulatory requirements have to be observed. Products might not be available in every country.

Colanyl, Flexonyl and CC Fine Paste , Sudatex and Sudafine are aqueous pigment preparations. They are manufactured without any additionally added binders as well as ethoxylated alkyl phenols (APEO). They are based on non-ionic and / or anionic wetting and dispersing agents.

There is a multitude of other colorants which may perform perfectly in your specific formulation. For additional product requests please contact our Technical Service Team in your region.

ECONOMIC COLORANTS

COLOR	PRODUCT DESCRIPTION	COLOR INDEX NAME	C.I. No.	BLEED FASTNESS (90°C, 5H)
	CC YELLOW FP 511	PIGMENT YELLOW 3	11710	4
	COLANYL YELLOW G 100 CONC.-ID	PIGMENT YELLOW 74	11741	3 – 4
	COLANYL YELLOW HR 100-ID	PIGMENT YELLOW 83	21108	4
	SUDATEX ORANGE SC-G 4313	PIGMENT ORANGE 13	21110	4
	CC RED FINE PASTE 555	PIGMENT RED 254	56110	4 – 5
	SUDAFINE RED 26	PIGMENT RED 2	12310	3 – 4
	COLANYL CARMINE LTX 100-ID	PIGMENT RED 146	12485	5
	CC RED FINE PASTE 554	PIGMENT RED 170	12475	5
	CC RED FINE PASTE 547	PIGMENT VIOLET 19	73900	5
	COLANYL VIOLET 3RL 100-ID	PIGMENT VIOLET 23	51319	5
	SUDAFINE BLUE 89	PIGMENT BLUE 15:0	74160	5
	COLANYL BLUE A2R 100-ID	PIGMENT BLUE 15:1	74160	5
	COLANYL BLUE B2G 530	PIGMENT BLUE 15:3	74160	5
	SUDAFINE GREEN 84 HS	PIGMENT GREEN 7	74260	5
	SUDAFINE GREEN 82	SPECIAL SHADE		4
	VISCOFIL BLACK VBC-TH	PIGMENT BLACK 7	77266	5
	SUDAFINE BLACK 91	PIGMENT BLACK 7	77266	5

COLORANTS BASED ON PIGMENTS IN COMPLIANCE WITH SPECIFIC US REGULATIONS

Our listed core pigment preparations are based on pigments which are in compliance with the FDA Regulation 21CFR 178.3297. Some dosage limitations may exist depending upon the pigment, the type of article or the intended food contact. However, a final confirmation can only be obtained by testing the end article and completing an FDA review.

Colanyl grades are aqueous pigment preparations without binder. They are based on non-ionic and / or anionic wetting and dispersing agents. Cosmenyl pigment preparations are readily pumpable and flowable aqueous dispersions.

The listed products from the Cosmenyl, Colanyl ranges are manufactured without any ethoxylated alkyl phenols (APEO).

COLORANTS IN COMPLIANCE WITH SPECIFIC US REGULATIONS

COLOR	PRODUCT DESCRIPTION	COLOR INDEX NAME	C.I. No.	BLEED FASTNESS (90°C, 5H)	PIGMENT LIMITATIONS (W / W)
	COSMENYL OXIDE YELLOW 100	PIGMENT YELLOW 42	77492	5	NONE
	COLANYL OXIDE RED B 133	PIGMENT RED 101	77491	5	NONE
	COLANYL RED D3GD 532	PIGMENT RED 254	56110	4 – 5	1%*
	COLANYL RED E3B 130	PIGMENT VIOLET 19	73900	5	NONE
	COSMENYL BLUE OC 100	PIGMENT BLUE 15:1	74160	5	NONE
	COLANYL BLUE B2G 131	PIGMENT BLUE 15:3	74160	5	NONE
	COSMENYL GREEN OC 100	PIGMENT GREEN 7	74260	5	NONE
	COSMENYL BLACK 100	PIGMENT BLACK 7	77266	5	2.5%*

* Total content of the pigment in the final rubber article not to exceed the given percentage.



COLORANTS FULFILLING SPECIFIC PURITY REQUIREMENTS IN THE EU-REGIONS

Our listed core products meet the purity criteria concerning heavy metal trace impurities and the content of primary aromatic amines as laid down for these parameters in the corresponding EU standard EN 71-9 as well as the Council of Europe Resolution AP (89)1. These products have been especially tested according to the test method as laid down in EN 71-10 and EN 71-11 for regulated primary aromatic amines. For the heavy metals as specified in EN 71-3 resp.

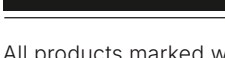
2009/ 48/ EC for colorants that are intended to be used for the coloration of colored toys, Sudarshan follows with the listed products the ETAD recommendations by measuring the total element content (details see page 8).

The products have been selected from the global Cosmenyl, Flexonyl and Colanyl portfolio. All our pigment dispersions marketed in the EU are in compliance with the REACH regulation (EC) 1907 / 2006.

Cosmenyl pigment preparations are readily pumpable and flowable aqueous dispersions. The basic pigment of the dispersions listed below comply with the requirements for cosmetic colorants defined by the European Union in the Cosmetic Directive 1223/ 2009/ EC. They are manufactured without any ethoxylated alkyl phenols (APEO).

Colanyl and Flexonyl are aqueous pigment preparations. They are produced without any additional binders as well as ethoxylated alkyl phenols (APEO). They are based on nonionic and / or anionic wetting and dispersing agents.

COLORANTS IN COMPLIANCE WITH SPECIFIC EU REGULATIONS

COLOR	PRODUCT DESCRIPTION	COLOR INDEX NAME	C.I. No.	BLEED FASTNESS (90°C, 5H)
	COLANYL YELLOW 2GXD 530	PIGMENT YELLOW 74	11741	3 – 4
	COLANYL YELLOW HRD 530	PIGMENT YELLOW 83	21108	4
	COSMENYL OXIDE YELLOW 100	PIGMENT YELLOW 42	77492	5
	FLEXONYL ORANGE G	PIGMENT ORANGE 13	21110	5
	COSMENYL CARMINE FB 30-IN	PIGMENT RED 5	12490	5
	COLANYL CARMINE LTX 100-ID	PIGMENT RED 146	12485	5
	COLANYL RED D3GD 532	PIGMENT RED 254	56110	4 – 5
	COLANYL PINK E 130	PIGMENT RED 122	73915	5
	COLANYL RED E3B 531	PIGMENT VIOLET 19	73900	5
	COLANYL VIOLET RL 532	PIGMENT VIOLET 23	51319	5
	COLANYL BLUE A2R 531*	PIGMENT BLUE 15:1	74160	5
	COLANYL BLUE B2G 530*	PIGMENT BLUE 15:3	74160	5
	COLANYL GREEN GG 531*	PIGMENT GREEN 7	74260	5
	COSMENYL BLACK 100	PIGMENT BLACK 7	77266	5

All products marked with an * are based on copper phthalocyanine pigments. For these products the ionogenic copper content has to be considered, when measuring the heavy metal content.

COLORANTS FOR SPECIAL LATEX APPLICATIONS

COSMETIC GRADE COLORANTS

Cosmenyl 100 pigment preparations are readily pumpable and flowable aqueous dispersions. The basic pigment of the dispersions listed below comply with the requirements for cosmetic colorants defined by the European Union in the Cosmetic Directive 1223/ 2009/ EC. Cosmenyl 100 grades are aqueous pigment preparations. They are manufactured without any ethoxylated alkyl phenols (APEO) and can be added directly into the latex system.

COLOR	PRODUCT DESCRIPTION	COLOR INDEX NAME	C.I. No.	BLEED FASTNESS (90°C, 5H)
	COSMENYL YELLOW 100	PIGMENT YELLOW 1	11680	5
	COSMENYL OXIDE YELLOW 100	PIGMENT YELLOW 42	77492	5
	COSMENYL CARMINE OC 100	PIGMENT RED 146	12485	5
	COSMENYL VIOLET 100	PIGMENT VIOLET 23	12485	5
	COSMENYL BLUE OC 100	PIGMENT BLUE 15:1	74160	5
	COSMENYL GREEN OC 100	PIGMENT GREEN 7	74260	5
	COSMENYL BLACK 100	PIGMENT BLACK 7	77266	5

For additional product requests please contact our Technical Service Team in your region.





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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 colorants 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 select range of colorants, some of which are designed to meet regulatory requirements for sensitive application areas such as cosmetics, personal care applications, food packaging materials, toys and others. In such sensitive applications, 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)

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