






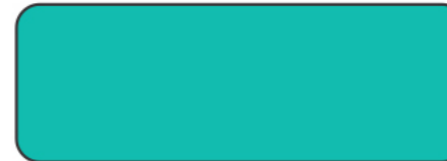




























RANGDAY

PHTHALOCYANINE PIGMENTS



Phthalo Colours & Chemicals (India) Limited

PIGMENT RANGE OF RANGDAY PIGMENTS

	FULL TONE	TINT TONE	
Rangday Green 901 C. I. Name : PG 7			Greener Shade
Rangday Green 902 C. I. Name : PG 7			Bluer Shade
Rangday Green 903 C. I. Name : PG 7			Yellower Shade
Rangday Green 904 C. I. Name : PG 7			High Gloss, Bluer Shade
Rangday Green 905 C. I. Name : PG 7			Yellower Shade
Rangday Alpha Blue 801 C. I. Name : PB 15:0			Redder Shade
Rangday Alpha Blue 802 C. I. Name : PB 15:0			Greener Shade
Rangday Alpha Blue 803 C. I. Name : PB 15:0			Redder Shade
Rangday Alpha Blue 701 C. I. Name : PB 15:1			Redder Shade
Rangday Alpha Blue 702 C. I. Name : PB 15:1			Redder Shade
Rangday Beta Blue 601 C. I. Name : PB 15:3			Greenish Shade
Rangday Beta Blue 602 C. I. Name : PB 15:3			Redder Shade
Rangday Beta Blue 603 C. I. Name : PB 15:3			Redder Shade
Rangday Beta Blue 604 C. I. Name : PB 15:3			Greener Shade
Rangday Beta Blue 605 C. I. Name : PB 15:3			Redder Shade
Rangday Beta Blue 501 C. I. Name : PB 15:4			Redder Shade

OFFSET INK	PRINTING INKS							PAINTS & COATINGS					PLASTICS					OTHER USES	LIGHT FASTNESS		BLEEDING RESISTANCE											
	FLEXO	GRAVURE						APPLICATION					APPLICATION			FASTNESS	FULL TONE		TINT TONE	ACID	ALKALI	WATER	ETHANOL	ETHYL ACETATE	XYLENE	METHYL ETHYL KETONE	MINERAL TURPENTINE					
S	S	S		S		S		S	S			S	S	S		S		S										S	S	5	S	S
S								S	S			S										8	8	5		5	5	5	4-5	5	5	
											S	S								5			8	8	5		5	5	5	4-5	5	5
		S	S	S	S	S	S															8	8	5		5	5	5	4-5	5	5	
										S	S											8	8	5		5	5	5	4-5	5	5	
S	S								S	S	S	S	S	S	S	S	S	S	S	5			8	7-8	5	5	5	5	5	4-5	5	5
S	S								S	S	S	S	S	S	S	S	S	S	S	5	S		8	7-8	5	5	5	5	5	4-5	5	5
														S	S	S	S	S	S	5	S		8	7-8	5	5	5	5	5	4-5	5	5
	S	S		S		S			S	S	S	S	S	S	S	S	S	S	S	5	S		8	8	5	5	5	5	5	4-5	5	5
											S	S										8	8	5		5	5	5	4-5	5	5	
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		S	S	S	S	S	S	S	S													8	8	5		5	5	5	4-5	5	5	
										S	S											8	8	5		5	5	5	4-5	5	5	
		S	S	S	S	S	S	S	S													7-8	7-8	5	5	5	5	5	4-5	5	5	



Phthalo Colours & Chemicals (I) Ltd., Manufacturing unit of the Nanavati Group started its operations in 1993 to produce Copper Phthalocyanine Crude, the main raw material for manufacture of Phthalocyanine Pigments.

As a natural progression, the company forward integrated in the year 2006 to manufacture the full range of Phthalocyanine Pigments.

Presently it is a recognized Export House having ISO 9001 - 2015 Certification and its products are REACH compliant. It exports 85% of its total production of Phthalocyanine Pigments.

The Phthalocyanine Pigments manufactured by the Company have application in production of Inks, Coatings, Plastics, Textiles, Rubber & Detergent.

It also produces special grades of Pigments such as Fibre grades and Pigment Green for use in Nitro Cellulose inks.

The Company prides itself on being fully compliant with regard to Environment laws, Health and Safety regulations.

The manufacturing site is located at Vapi, Gujarat, India which is about 180 kms. from the city of Mumbai. After expansion, The Company has an installed capacity to produce 4500 MT of Phthalocyanine Pigments.

Our mission is to provide consistent high quality products with competitive pricing, customer orientation and efficient service.

Our corporate philosophy as laid down by the Group Chairman is :

- a) to promote environmental consciousness within the company & maintain total compliance to environmental regulations.
- b) to maintain high standard of safety and good manufacturing practices.
- c) to maintain cordial and mutually beneficial relationship with staff and workmen.
- d) to inculcate quality consciousness with a strong quality control department.
- e) to encourage consistent research and development.
- f) to ensure clients satisfaction and efficient services.
- g) sustainable and consistent suppliability.

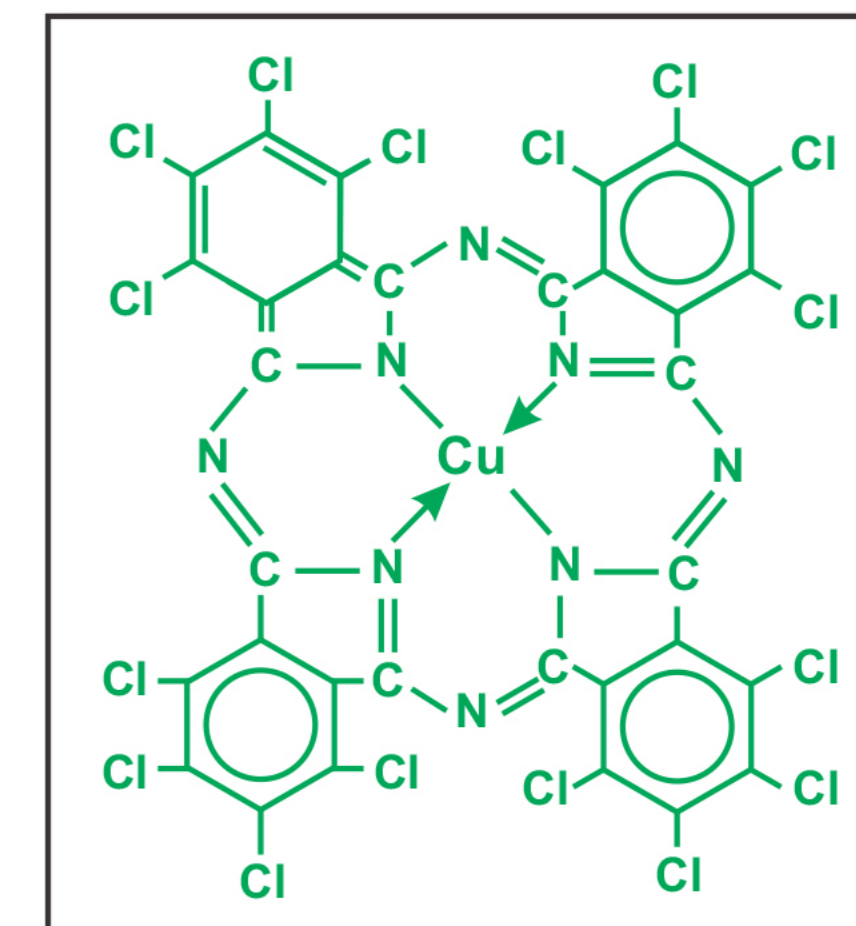
Our stringent quality control standards ensure quality products and our technical team can provide customized solutions for different applications.

Transparency, fair business practices and customer satisfaction will remain our primary goal.

RANGDAY PHTHALOCYANINE GREEN :

Phthalocyanine green has excellent all round fastness properties including resistance to crystallisation and flocculation in aromatic solvents.

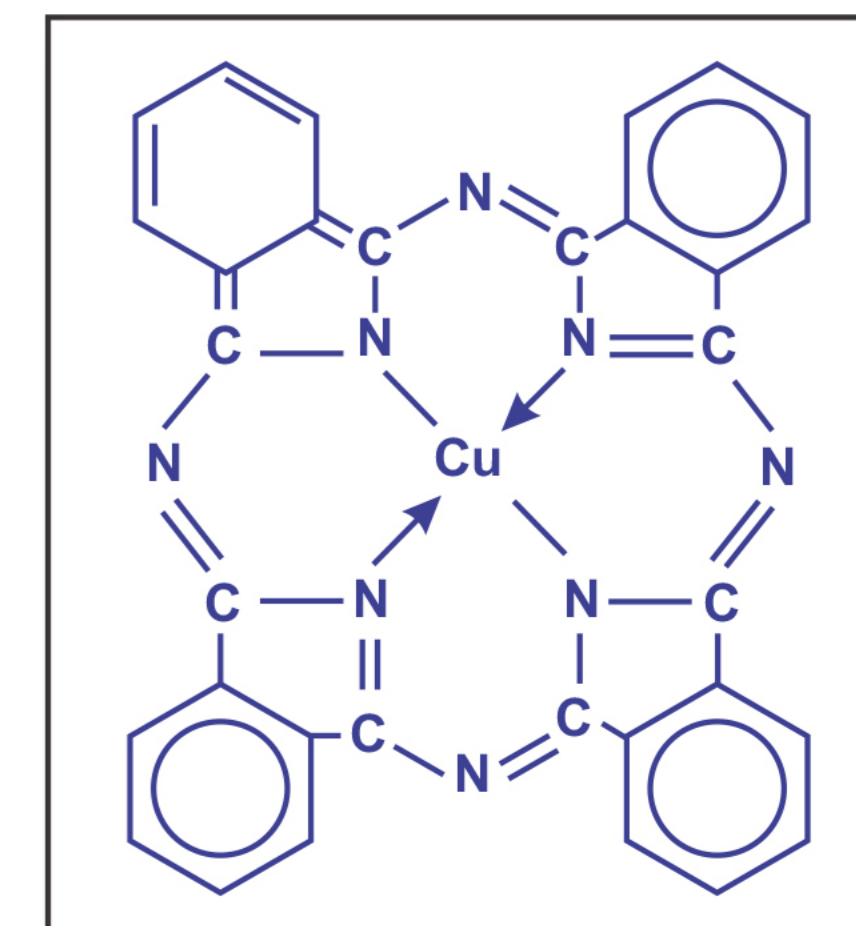
Due to very fine particles size the pigment exhibit excellent transparency for this use in almost all ink system in printing ink industry. The Pigment satisfies the high standard for its use in most paint application, including automotive finishes and powder coating. The excellent resistance to acid and alkali and bleed in organic solvents recommends for all plastic applications and mass coloration of synthetic fibres.



RANGDAY PHTHALOCYANINE BLUE :

The copper Phthalocyanine Blue exists in five different crystal polymorphic forms namely Alpha, Beta, Gamma, Delta and Epsilon. Out of which, Alpha and Beta Polymorphic forms and of commercial importance.

Phthalocyanine Blue are stabilised by special treatment and manufacturing technique to impart heat stability, resistance to crystallising solvents for its use in paints, plastic and rubber. The excellent light fastness and resistance to chemicals make its use in textile printing and dope dyeing of synthetic fibres.



Ecological and Regulatory Information :

Rangday pigments are regularly monitored and tested for the prohibited PCB (Poly Chlorinated Biphenyl) Congeners, COC's, Heavy Metals, DIOXINS and FURANS. They comply with all major international regulations like AP(89)1, EN71-3, RoHS, etc. for coloration of consumer goods, toys and food contact products. All our products are registered under REACH regulation. Regular audits for CSR under TFS.

NANAVATI GROUP

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