



A colourful
imagination
starts with us

Bhimactive[®]
Reactive Dyes







Colors of India



BHiMANi Group

BHIMANI GROUP was incorporated in 1950 in the TEXTILE CITY OF INDIA - Ahmedabad; engaged in manufacturing of various Dyes and Dye-Intermediates of international standards. Being in the same business, it's the third generation that still is working and following the traditions laid by their elders. As a pioneer in the field of dyes and dyes-intermediates, we have tried to keep our tradition as a QUALITY conscious people.

From a humble beginning we have grown into a multi faceted, multi product company due to dynamic marketing, high morals and constant quality standards. The main USP of our business has always remained the QUALITY of not only our products, but also of administrative activities. We have been working hard to enable our products to make their mark in global markets. It's because of these very reasons it was made possible to keep our flag aloft in National as well as International Market. Today **BHIMANI GROUP** has not only grown in our eyes but it is very much visible in our satisfied customers' eyes too.





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BHIMAFIX "ME" Bifunctional Dyes		Product Name C.I. No.	Processes		
1%	4%		Exhaust Dyeing	Semicontinuous Dyeing	Continuous Dyeing
		BHIMAFIX GOLD, YELLOW MERL *Yellow 145	S	S	NS
		BHIMAFIX YELLOW ME4GL *Yellow 160	S	NS	NS
		BHIMAFIX YELLOW SPD	S	S	NS
		BHIMAFIX ORANGE ME2RL *Orange 122	S	NS	NS
		BHIMAFIX RED ME3BL *Red 194	S	S	NS
		BHIMAFIX RED ME4BL *Red 195	S	S	NS
		BHIMAFIX RED ROSE MIX	S	S	NS
		BHIMAFIX RED SPD	S	S	NS
		BHIMAFIX SCARLET MERK *Scarlet 222	S	S	NS
		BHIMAFIX NAVY BLUE ME2GL *Blue 194	S	NS	NS



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Dischargeability	Solubility g/l		Light Fastness				Washing		Water		Perspiration E04			Rubbing		
	Water -30°C	Salt (98 g/l) -50°C	AAATCC 16E 1/I	AAATCC 16E 1/3	ISO B02 1/1	ISO B02 1/3	CO3		E01		Acidic		Alkaline		X12	
							Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Dry Rubbing	Wet Rubbing
P	200	200	4-5	4	6	5	4-5 R	4	4-5	4-5	4-5	4-5	4-5	4-5	5	4
D	120	100	4	3-4	6	5	4-5 R	4	4-5	4-5	4-5	4-5	4-5	4-5	5	4
P	200	200	4-5	4	6	5	4-5 R	4	4-5	4-5	4-5	4-5	4-5	4-5	5	4
F	60	<20	3	2-3	3-4	3	4-5	3-4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4
P	60	<20	4	3-4	4-5	4	4-5	4-5	4-5	4	4-5	4-5	4-5	4-5	4	3
P	200	200	4	3-4	4-5	4	4-5	4-5	4-5	4	4-5	4-5	4-5	4-5	4-5	3-4
P	200	200	4-5	4	4	3-4	4-5 DI	3-4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	3-4
P	200	200	4	3-4	4-5	4	4-5	4-5	4-5	4	4-5	4-5	4-5	4-5	4-5	3-4
P	200	200	4-5	4	4	3-4	4-5 DI	3-4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	3-4
F	60	<20	3-4	3	4	3-4	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5	5	3



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BHIMAFIX "ME" Bifunctional Dyes		Product Name C.I. No.	Processes		
1%	4%		Exhaust Dyeing	Semicontinuous Dyeing	Continuous Dyeing
		BHIMAFIX BLUE BRF *Blue 221	S	NS	NS
		BHIMAFIX NAVY BLUE BF *Blue 222	S	NS	NS
		BHIMAFIX NAVY SPD	S	S	S

BHIMAFIX "HE" High Exhaust Dyes		Product Name C.I. No.	Exhaust Dyeing	Solubility g/l	
1%	4%			Water - 30°C	Salt (90 g/l) - 50°C
		BHIMAFIX YELLOW HE4G *Yellow 81	S	15	<10
		BHIMAFIX GOLD. YELLOW HE4R *Yellow 84	S	80	<20
		BHIMAFIX ORANGE HER *Orange 84	S	30	<10
		BHIMAFIX RED HE3B *Red 120	S	200	40
		BHIMAFIX RED HE7B *Red 141	S	200	125



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Dischargeability	Solubility g/l		Light Fastness				Washing		Water		Perspiration E04			Rubbing			
	Water - 30°C	Salt (90 g/l) - 50°C	AAATCC 16E 1/1	AAATCC 16E 1/3	ISO B02 1/1	ISO B02 1/3	CO3		E01		Acidic		Alkaline				
	Change in colour	Stain (content)	Change in colour	Stain (content)	Change in colour	Stain (content)	Change in colour	Stain (content)	Change in colour	Stain (content)	Change in colour	Stain (content)	Change in colour	Stain (content)	X12		
F	40	<20	4-5	4-5	6	5-6	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5	4	5	3-4
P	40	<20	3-4	3	4	3-4	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	5	3-4
D	200	200	3-4	2-3	3-4	2-3	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4

AAATCC 16E 1/1	AAATCC 16E 1/3	ISO B02 1/1	ISO B02 1/3	Light Fastness		Washing		Water		Perspiration E04			Rubbing		
				Change in colour	Stain (content)	CO3		E01		Acidic		Alkaline			
				Change in colour	Stain (content)	Change in colour	Stain (content)	Change in colour	Stain (content)	Change in colour	Stain (content)	Change in colour	Stain (content)	Dry Rubbing	Wet Rubbing
4-5	4	6	5	4-5 R	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5 R	4-5	5	4
4-5	4	6	5	4-5	4	4-5	4	4-5	4	4-5	4	4-5	4	4-5	4
3-4	3-4	3-4	3	4-5	4	4-5	4	4-5	4	4-5	4	4-5	4	4-5	4
4-5	4	5	4	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5 Bl	4-5	3-4
4	3-4	4	3-4	4-5	4	4-5	4	4-5	4	4-5	4-5	4-5	4-5 Bl	4-5	3-4



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BHIMAZOL "VS" Vinyl Sulphone Base Dyes			Product Name C.I. No.	Processes		
1%	4%	Discharge 4%		Exhaust Dyeing	Semicontinuous Dyeing	Continuous Dyeing
			BHIMAZOL YELLOW GR *Yellow 15	S	S	S
			BHIMAZOL YELLOW FG *Yellow 42	S	NS	NS
			BHIMAZOL ORANGE 3R *Orange 16	S	S	S
			BHIMAZOL RED 5B *Red 35	S	S	NS
			BHIMAZOL RED BS *Red 111	S	S	NS
			BHIMAZOL RED RB *Red 198	S	S	S
			BHIMAZOL VIOLET 5R *Violet 5	S	S	S
			BHIMAZOL T. BLUE G - 166% *Blue 21	S	S	NS
			BHIMAZOL T. BLUE G - 266% *Blue 21	S	S	NS
			BHIMAZOL BLUE BB *Blue 220	S	S	S
			BHIMAZOL BROWN GR *Brown 18	S	S	S



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Dischargeability	Solubility g/l		Light Fastness				Washing		Water		Perspiration E04		Rubbing			
	Water - 30°C	Sub (80 g/l) - 50°C	AATCC 161 I/1	AATCC 161 J/3	ISO B02 I/1	ISO B02 I/3	CO3		E01		Acidic		Alkaline			
							Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Change in colour	Stain (cotton)		
D	200	60	4-5	4	6	5-6	4-5 R	4-5	4-5	4-5	4-5	4-5	4-5 R	4-5	5	4
D	150	150	4	3-4	4	3-4	4-5	5	4-5	4-5	4-5	4-5	4-5	4-5	5	4
F	80	<20	4	3-4	4	3-4	4-5	4-5	4-5	4-5	4-5 R	4-5	4 R	4-5	5	4
D	80	20	3-4	3	3	2-3	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	5	4
P	200	200	3-4	3	3-4	3	4-5	4-5	4-5 BI	4-5	4 BI	4-5	4-5 BI	4-5	4-5	3-4
P	200	<20	3-4	3	3-4	3	4-5	4-5	4-5	4-5	4 BI	4-5	4-5 BI	4-5	5	4
F	100	100	4-5	4	6	5-6	4-5	4-5	4-5	4-5	4 BI	4-5	4 BI	4	4-5	4
P	150	<20	4-5	4	6	5	4	3	4-5	3-4	4-5	4	4	3-4	4-5	3
P	150	<20	4-5	4	6	5	4	3	4-5	3-4	4-5	4	4	3-4	4-5	3
F	200	150	4-5	4	6	5-6	4-5	4-5	4-5	4-5	4-5	4-5	4	4-5	4-5	3-4
P	150	5	4-5	4-5	6	6	4	4-5	5	4-5	5	4-5	5	4-5	5	4



BHIMAFIX "BLACK" DYES		Product Name C.I. No.	Processes		
			Exhaust Dyeing	Semicontinuous Dyeing	Continuous Dyeing
1%	4%				
		BHIMAZOL BLACK B - 150% *Black 5	S	S	NS
		BHIMAZOL BLACK B - 200% *Black 5	S	S	NS
		BHIMAZOL BLACK WNN	S	S	S
		BHIMAFIX BLACK GDNN / GDRN *Mix	S	S	S
		BHIMAFIX BLACK ED *Mix	S	S	NS
		BHIMAFIX BLACK RN *Mix	S	S	S
		BHIMAFIX BLACK DN Conc. *Mix	S	S	S
		BHIMAFIX BLACK Mix	S	S	S



Dischargeability	Solubility g/l		Light Fastness				Washing		Water		Perspiration E04		Rubbing		
	Water - 30°C	Salt (90 g/l) - 50°C	AATCC 161/1	AATCC 161/5	ISO B02 1/1	ISO B02 1/5	CO3		E01		Acidic		Alkaline		
							Change in colour	Stain (action)	Change in colour	Stain (action)	Change in colour	Stain (action)	Change in colour	Stain (action)	
D	200	150	3-4	3	3-4	2-3	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	3-4
D	200	150	3-4	3	3-4	2-3	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	3-4
D	200	200	4	-	4	-	4-5	4-5	4-5	5	4-5	5	4-5	5	3
D	200	200	4	-	4	-	5	4-5	5	4-5	5	4-5	5	4-5	3
F	200	200	4	-	4	-	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	3
D	200	200	4	-	4	-	5	4-5	5	4-5	5	4-5	5	4-5	3
D	200	200	4	3-4	4	-	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	3
D	200	200	4	-	4	-	4-5	4	5	4-5	5	4-5	5	4-5	3

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BHIMACTIVE "P" Printing Dyes		Solubility gms/l		
		Temp.	Straight	30pts/1000 common salt
4%	*C.I. Reactive			
	Yellow H4G *Yellow 18	30°C	100	100
	Yellow HGL *Yellow 95	30°C	100	50
	Yellow P3R *Orange 12	30°C	110	50
	Orange P2R *Orange 13	30°C	150	100
	Orange 35	30°C	150	80
	Red PB *Red 24	30°C	150	80
	Red P3B *Red 45	30°C	150	80
	Red P6B *Red 218	30°C	150	80
	Red P4B *Red 245	30°C	150	80

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Dyeing Properties		Fixation Temp. Exhaust Dyg.	Light fastness ISO - 105 - B02 (1:1)	Washing 90° ISO - IV C04 - A4	Dischargeability	Perspiration E 04		Rubbing X12	
Substantivity	Reactivity					Acidic	Alkaline	Dry	Wet
L	M	80°C	4-5	4-5	G	4-5	4-5	5	4-5
L	M	80°C	5-6	4	G	5	5	4	4-5
M	M	80°C	6	4-5	ND	4-5	4-5	4-5	4
M	M	80°C	4-5	4-5	P	4	4-5	4-5	3-4
M	M	80°C	6	5	P	5	5	4-5	4-5
M	M	80°C	3-4	3	G	4	4	5	3
M	M	80°C	4-5	4	P	4-5	4-5	5	4
M	M	80°C	4-5	4	P	4-5	4-5	5	4
M	M	80°C	4-5	4	P	4-5	4-5	5	4

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BHIMACTIVE "P" Printing Dyes		Solubility gms/l		
		Temp.	Straight	30pts/1000 common salt
4%	*C.I. Reactive			
	Red P4BN *Red 3:1	30°C	75	50
	Violet P3R *Violet 1	30°C	130	50
	Blue P5R *Blue 13	30°C	120	30
	Blue P3R *Blue 49	30°C	100	50
	Turq. Blue HA *Blue 71	30°C	120	80
	Navy Mix *Blue Mix	30°C	80	50
	Black HN / PN *Black 8	30°C	40	40
	Navy P2R *Black 39	30°C	100	50
	Black PGR *Black Mix	30°C	80	50

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Dyeing Properties		Fixation Temp. Exhaust Dyg.	Light fastness ISO - 105 - B02 (1:1)	Washing 90° ISO - IV C04 - A4	Dischargeability	Perspiration E 04		Rubbing X12	
Substantivity	Reactivity					Acidic	Alkaline	Dry	Wet
H	L	80°C	3	4-5	P	5	4	5	4-5
LS	LS	80°C	4	4-5	P	4	4	4-5	3-4
LS	LS	80°C	6	5	P	4	4	4-5	4
L	L	80°C	5-6	5	G	4-5	4-5	4-5	3-4
H	H	90°C	5-6	5	P	3-4	2-3	4-5	3
H	M	80°C	4-5	5	P	3-4	4	4-5	4
L	M	80°C	6	4-5	P	3-4	4	4-5	3-4
L	M	80°C	4-5	4-5	P	3-4	4	4-5	3-4
L	M	80°C	5-6	4-5	P	3-4	4	4-5	4



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