

REACTIVE DYES

DDI

DOLPHIN BRAND

DOLPHIN

DYE STUFF INDUSTRIES

**(Mfg & Exporter of Dyestuff & Chemicals)
MUMBAI (INDIA)**

Genesh Chemicals offers wide range of Reactive Dyes for dyeing & Printing of cellulosic fibres & fabrics. These are recommended for their consistency for hues, shades & for their fastness properties.

M-Brand Dyes : Are highly reactive & can be applied at temp. below 50°C.

H-Brand Dyes : Are less reactive dyes and requires more severe condition for fixation. These dyes are more popular for printing of cotton fabric.

Salt & Alkali requirement

	Temp	Salt	Soda Ash
M-Brand	20°C-40°C	30-60g/L	5-15 g/L
H-Brand	60°C-80°C	40-80 g/L	20 g/L

VS Dyes : These are viny sulfone based dyes which are versatile enough to suit different dyeing methods.

- i) Pad-Jig Method
- ii) Tow-bath Pad-steam method.
- iii) One-bath pad-steam method.
- iv) One-bath pad-batch method (with Sodium Silicate)
- v) Thermo fixation-method
- vi) Printing

Salt & Alkali requirement

	40°C	60°C
Glauber's Salt	50 g/L	50 g/L
Tri Sodium Phosphate	10-15 g/L	5-10 g/L

HE Dyes : Are specially developed for high exhaustion and good buildup with better fastness properties. **GANESH CHEMICALS** offers Wide range of HE Dyes specially developed to dye popular shades with Superior fastness properties.

Salt & Alkali requirement

	upto 0.5%	0.5% to 1.0% C	1.0% to 2.0% to	2.0% to 4.0%	4.0% and above
Salt g/L	30	45	60	70	90
Soda Ash g/L	10	15	15	20	20

ME Dyes : These are high exhaust dyes applied at low temp with all round fastness properties. Several ME-Dyes are developed by Ganesh Chemicals to get brilliant popular shades.

Salt & Alkali requirement

Glauber's Salt	-	60g/L
Soda Ash	-	20 g/L
Dyeing Temp	-	60°C

Method : Predissolved dyestuff is added to dye bath & fabric is introduced, run fabric for 15 mints. Add Salt (portionwise) & raise the temp. to 60°C in 20-25 mints. At 60°C add Soda ash & run fabric for 60 mints.



ME Dyes are suitable for.

- 1) Exhaust Dyeing
- 2) One bath Pad-batch-Dyeing (with Sodium Silicate)
- 3) Two bath-Pad-batch Dyeing.
- 4) Two bath Pad-Dye-Steam Dyeing.
- 5) Printing



Abbreviations :









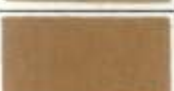





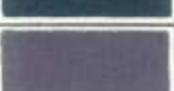
G	=	Good
F	=	Fair
P	=	Poor
★	=	Mixture Shades

(Without Warranty)

SHADE 4.0%	REACTIVE 'M' DYES (C. I. Reactive)	FASTNESS						DISCHARGEABILITY
		LIGHT (1/1)	WASHING (ISO4)	PERSPI- -RATION		BLEACH		
				ACIDIC	ALKALINE	HYPOCHLORITE	PEROXIDE	
	YELLOW M8G (Yellow-86)	6	5	4	4	2	3-4	G
	YELLOW M4G (Yellow-22)	5-6	5	4-5	4	1	3-4	G
	YELLOW MGR (Yellow-7)	5-6	5	5	5	4-5	5	P
	YELLOW M4R (Orange-14)	5	5	4	4	2	4	F
	G. YELLOW MR (Yellow-44)	5	4-5	5	4	2	3-4	P
	ORANGE M2R (Orange-4)	5	5	4	4	3	3-4	P
	RED M5B (Red-2)	4-5	4-5	4-5	4	1	4	F
	RED M 8 B (Red-11)	4-5	4-5	4-5	4	4	4	P
	PINK MB (Red-74)	4	4	4	3-4	2	3-4	P
	VIOLET M2R	5	4-5	4	4	2-3	3	P
	MAGENTA MB (Violet-13)	4-5	4	5	3-4	3	4	F
	T. BLUE MG (Blue-140)	6	4	4	4	2-3	3	P
	BLUE MR (Blue-4)	6	5	4	4	2	3	P
	BLUE M4GD (Red-31)	5	5	5	5	2	4	G
	N. BLUE M3R	6	4	4-5	4	3	3-4	P




SHADE 4.0%	REACTIVE 'H' DYES (C. I. Reactive)	FASTNESS						DISCHARGEABILITY
		LIGHT (1/1)	WASHING (ISO4)	PERSPI- -RATION		BLEACH		
				ACIDIC	ALKALINE	HYPOCHLORITE	PEROXIDE	
	YELLOW H4G (Yellow-18)	6-7	5	5	4-5	1	3	G
	G. YELLOW HR (Orange-12)	6	5	5	5	3	3-4	F
	ORANGE H2R (Orange-13)	4-5	5	4	5	4	3-4	F
	RED 6 BX (Red-76)	4-5	4-5	4	4	2-3	3	P
	RED H8B (Red-31)	4	5	4	4	3-4	3	P
	MAGENTA HB (Red-14)	4-5	4	4	4	1-2	3	P
	PURPLE H3R (Violet-1)	4-5	4-5	4-5	4	1	4	F
	RED BROWN H4R (Br-9)	4-5	5	4	4	3-4	3	P
	T. BLUE H5G (Blue-25)	5	4	4	4	3	3	P
	N. BLUE H5R (Blue-13)	6	5	5	4-5	1-2	3	P
	N. BLUE RX (Blue-59)	3	4	4	4	2	3	P
	BLACK HN (Black-8)	6	4	5	4	3	4	P
REACTIVE 'HE' DYES								
	YELLOW HE6G (Yell-135)	5	5	4-5	4	3	3	G
	YELLOW HE4G (Yellow-81)	5-6	5	4-5	4	2	4-5	F

SHADE 4.0%	REACTIVE 'HE' DYES (C. I. Reactive)	FASTNESS						DISCHARGEABILITY
		LIGHT (1/1)	WASHING (ISO4)	PERSPI- -RATION		BLEACH		
				ACIDIC	ALKALINE	HYPOCHLORITE	PEROXIDE	
	SCARLET HE2R ★	5	5	4	4-5	4	5	P
	PINK HER ★	5	5	4	4-5	4-5	4	F
	MAGENTA HEB ★	4-5	4-5	4	4	2	3	F
	VIOLET HEBR ★	5	5	4	4-5	3	4	F
	PURPLE HE2B ★	4-5	3	4-5	4-5	2	2-3	P
	NICKLE BROWN ★ HE2B	4-5	4	4-5	4-5	3	4-5	P
	KHAKI HE2G ★	4-5	4	4-5	4	2	4-5	P
	CALF BROWN HER ★	5	4-5	4	4	2	4	P
	RUST HE2R ★	4-5	4	4-5	4	2	4	P
	RED BROWN HER ★	6	4	4	4	3-4	3	P
	PEA GREEN HE2G ★	5-6	4-5	4	4-5	2	3	F
	GREEN HEB ★	5	4-5	4-5	5	3	4-5	F
	PEACOCK BLUE HEGB ★	6	4	5	5	3	3	P
	BLUE HERB ★	5	4	4	4	4	4	P
	COPPER BLUE HER ★	5	4	4	4	4	4	P

SHADE 4.0%	REACTIVE 'ME' DYES	FASTNESS						DISCHARGEABILITY
		LIGHT (1/1)	WASHING (ISO4)	PERSPIRATION		BLEACH		
				ACIDIC	ALKALINE	HYPOCHLORITE	PEROXIDE	
	YELLOW MEG ★	5	4-5	4	4	3	3-4	F
	SCARLET MER ★	5	4-5	4	4	3	3	P
	PINK MER ★	5	4-5	4-5	4-5	2-3	3	P
	BORDEAUX ME2B ★	5	5	4	4	2-3	3	P
	SKY BLUE MEBL ★	5-6	5	4	4	3	3-4	P
	VIOLET MERB ★	5	5	4	3-4	3	3-4	P
	BLUE MERB ★	5	5	4	3-4	3	3-4	P
	OLIVE MEG ★	5-6	5	4	4	2-3	3	P
	KHATI MEG ★	5-6	5	4	4	2-3	3	P
	BROWN ME2G ★	5	5	4	4	3	3	P
	CADBUARY MER ★	5-6	5	4	4	3	4	P
	CALF BROWN MEGR ★	5	5	4	4	3	3	P
	CHOCOLATE MERB ★	5	5	4	4	3	3	P
	PEACOCK BLUE MEG ★	5	4-5	4	4	2-3	3	P
	STEEL GREY MERB ★	5-6	5	4	4	2-3	3	P

SHADE 4.0%	REACTIVE 'VS' DYES (C. I. Reactive)	FASTNESS						DISCHARGEABILITY
		LIGHT (1/1)	WASHING (ISO4)	PERSPI- RATION		BLEACH		
				ACIDIC	ALKALINE	HYPOCHLORITE	PEROXIDE	
	YELLOW FG <i>(Yellow-42)</i>	5	5	5	5	1	5	G
	YELLOW GR <i>(Yellow-15)</i>	6	5	5	5	1	5	G
	YELL RTN	5	5	5	5	1	5	G
	G. YELLOW RNL <i>(Orange-107)</i>	5	4-5	4-5	5	1	4	G
	G. YELL. R	5-6	4-5	5	5	1-2	3-4	G
	ORANGE 3R <i>(Orange-16)</i>	5-6	4-5	5	4	1	4	G
	RED C2G <i>(Red-106)</i>	4	5	5	5	1	4	G
	RED 5B <i>(Red - 35)</i>	5	5	5	5	2	4	G
	RED RB <i>(Red-198)</i>	4-5	5	5	5	2	4	G
	BORDEAUX B <i>(Red-49)</i>	5-6	5	4-5	4-5	2	3	G
	VIOLET 5R <i>(Violet-5)</i>	6-7	4	4-5	3-4	3-4	3-4	G
	BLUE 3R <i>(Blue-28)</i>	6-7	4	4	3-4	4-5	5	G
	BROWN GR <i>(Br-18)</i>	5-6	3-4	4	4	1	3-4	F
	GREEN 6B <i>(Blue-38)</i>	6-7	4-5	4	5	2-3	3-4	F
	T. BLUE G <i>(Blue-21)</i>	6	4	5	4	3-4	4	F

SHADE 4.0%	REACTIVE 'VS' DYES (C. I. Reactive)	FASTNESS						DISCHARGEABILITY
		LIGHT (1/1)	WASHING (ISO4)	PERSPIRATION		BLEACH		
				ACIDIC	ALKALINE	HYPOCHLORITE	PEROXIDE	
	N. BLUE GG <i>(Blue-203)</i>	5-6	4-5	4-5	5	2	5	G
	N. BLUE RGB <i>(Blue-250)</i>	6	4-5	4	4	2	5	G
	DARK BLUE HR <i>(Blue-89)</i>	6	3-4	5	4-5	1	4	G
	BLACK N-150	4-5	4-5	5	5	1	3-4	G
	BLACK B <i>(Black-5)</i>	4-5	4-5	5	5	1	3-4	G
REACTIVE 'ME' DYES								
	YELLOW ME4G <i>(Yellow-160A)</i>	6-7	4	4-5	4-5	1	3-4	F
	G. YELLOW MER <i>(Yell-145)</i>	5	5	5	5	3	5	F
	ORANGE ME2R	5	4-5	4	4	2	4	P
	RED MERB	4-5	4-5	3-4	2	1	2-3	P
	RED ME4B <i>(Red 195)</i>	5	4-5	4	4-5	3	5	F
	RED ME6B	5	4	4	4	3-4	3-4	P
	N. BLUE ME2G <i>(Blue 194)</i>	5	5	4	4	1	4-5	F
	N. Blue MEB <i>(Blue-222)</i>	5	5	4	4	2	3-4	F
	BLACK MEGR	5	4-5	5	5	1	3	G

SHADE 4.0%	REACTIVE 'HE' DYES (C. I. Reactive)	FASTNESS						DISCHARGEABILITY
		LIGHT (1/1)	WASHING (ISO4)	PERSPI- -RATION		BLEACH		
				ACIDIC	ALKALINE	HYPOCHLORITE	PEROXIDE	
	G. YELLOW HER (Yellow-84A)	5	5	4	4-5	4-5	4	P
	ORANGE HE2R (Orange-84A)	4-5	4-5	4	4	2	3	P
	RED HE3B (Red 120)	5	5	4	4-5	3	4	P
	RED HE5B	4-5	3	4-5	4-5	2	3-4	P
	RED HE7B (Red-141)	4-5	4	4-5	4-5	3	4-5	P
	RED HE8B (Re-152)	4-5	4	4-5	4	2	4-5	P
	GREEN HE4B (Gr.-19A)	4-5	4	4-5	4	2	4	F
	T. BLUE HA (Blue-71)	6	4	4	4	3-4	3	P
	N. BLUE HER (150%) (Blue-171)	5	4-5	4-5	5	3	4-5	F
	N. BLUE HE2R	6	4	5	5	3	3	R
	OLIVE HEGN ★	5-6	4-5	4	4-5	2	3	P
	BROWN HE 4 R ★	5	4-5	4	4	2	4	P
	COPPER BROWN HE3R ★	6	5	4	4-5	4	4	P
	GREY HE2B ★	5	4	4	4	4	4	P
	BLACK HEBL	4	4	4	4	4	4	F

