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 exhaution 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 Warrenty)

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

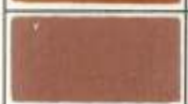
SHADE 4.0%	REACTIVE 'H' DYES (C. I. Reactive)	FASTNESS						DISCHARGEABILITY
		LIGHT (1/1)	WASHING (ISO4)	PERSPI-RATION		BLEACH		
				ACIDIC	ALKALINE	HYPOCHLORITE	PEROXIDE	
	YELLOW H4G *(Yellow-18)*	6-7	5	5	4-5	1	3	G
	G. YELLOW HR *(Orange-12)*	6	5	5	5	3	3-4	F
	ORANGE H2R *(Orange-13)*	4-5	5	4	5	4	3-4	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	
	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

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 'VS' DYES (C. I. Reactive)	FASTNESS						DISCHARGEABILITY
		LIGHT (1/1)	WASHING (ISO4)	PERSPIRATION		BLEACH		
				ACIDIC	ALKALINE	HYPOCHLORITE	PEROXIDE	
	YELLOW FG *(Yellow-42)*	5	5	5	5	1	5	G
	YELLOW GR *(Yellow-15)*	6	5	5	5	1	5	G
	YELL RTN	5	5	5	5	1	5	G
	G. YELLOW RNL *(Orange-107)*	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 *(Orange-16)*	5-6	4-5	5	4	1	4	G
	RED C2G *(Red-106)*	4	5	5	5	1	4	G
	RED 5B *(Red - 35)*	5	5	5	5	2	4	G
	RED RB *(Red-198)*	4-5	5	5	5	2	4	G
	BORDEAUX B *(Red-49)*	5-6	5	4-5	4-5	2	3	G
	VIOLET 5R *(Violet-5)*	6-7	4	4-5	3-4	3-4	3-4	G
	BLUE 3R *(Blue-28)*	6-7	4	4	3-4	4-5	5	G
	BROWN GR *(Br-18)*	5-6	3-4	4	4	1	3-4	F
	GREEN 6B *(Blue-38)*	6-7	4-5	4	5	2-3	3-4	F
	T. BLUE G *(Blue-21)*	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 *(Blue-203)*	5-6	4-5	4-5	5	2	5	G
	N. BLUE RGB *(Blue-250)*	6	4-5	4	4	2	5	G
	DARK BLUE HR *(Blue-89)*	6	3-4	5	4-5	1	4	G
	BLACK N-150	4-5	4-5	5	5	1	3-4	G
	BLACK B *(Black-5)*	4-5	4-5	5	5	1	3-4	G
	REACTIVE 'ME' DYES							
	YELLOW ME4G *(Yellow-160A)*	6-7	4	4-5	4-5	1	3-4	F
	G. YELLOW MER *(Yell-145)*	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 *(Red 195)*	5	4-5	4	4-5	3	5	F
	RED ME6B	5	4	4	4	3-4	3-4	P
	N. BLUE ME2G *(Blue 194)*	5	5	4	4	1	4-5	F
	N. Blue MEB *(Blue-222)*	5	5	4	4	2	3-4	F
	BLACK MEGR	5	4-5	5	5	1	3	G

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


DOLPHINE DYESTUFF INDUSTRIES BOMBAY (INDIA)