EXHIBITION

MAHICKRA

MAHICKRA CHEMICALS LIMITED

AS/NZS ISO 9001:2015/ISO 9001:2015
AS/NZS ISO 14001 :2015/ISO 14001:2015
GOTS Certified Company

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MAHICKRA

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REACTIVE
"HE" DYES
"Bi-Functional"

REACTIVE DYES

2%	MAHKFIX 'HE' DYES (Bifunctional) PRODUCT NAME (C.I. No.)	Solubility gms/l			Dyeing Properties				Light fastness ISO : 105 Bo2 (1/3)	Washing 60° ISO : III Co3 - A3	Washing 60° ISO : IV Co4 -A4	Hypochlorite Bleach No o1	Peroxide Bleach No 2.	Perspiration E 04			Rubbing X12			Drycleaning Dri Percnl	Shade to Art Light - D 65
		Temp. 30°C	Stiraight	20gpl+1000 common salt	Substantivity	Reactivity	Fixation Temp. Exhaust Dyg.							Extn.	Stain	Dry	Wet				
	RE. YELLOW HE6G *Yellow 135	30	25	H	H	80	4-5	5	4-5	1-2	4	4-5	4	4-5	5	4	4-5	3-4	4-5	3R
	RE. YELLOW HE4G *Yellow 81	25	20	H	H	80	5-6	5	5	2-3	4-5	4-5	4	4-5	5	4	4-5	3-4	4-5	3R
	RE. YELLOW HE4R *Yellow 84	80	60	H	H	80	5	4-5	3-4	4-5	4	4-5	4	4-5	5	4	4-5	3-4	4-5	2-3R
	RE. GOL. YELLOW HER *Yellow 84A	80	60	H	H	80	5	4-5	3-4	4-5	4	4-5	4	4-5	5	4	4-5	3-4	4-5	2-3R
	RE. ORANGE HE2R *Orange 84	35	5	H	H	80	4-5	5	4	4-5	4	4	4	4-5	4-5	4	4-5	3-4	4-5	3R
	RE. RED HE3B *Red 120	150	140	H	H	80	4-5	5	4-5	3-4	4-5	4-5	4	4-5	5	4	4-5	3-4	4-5	2-3Y
	RE. RED HE7B *Red 141	150	150	H	H	80	4-5	5	4-5	3	4-5	4-5	5	4-5	5	4	4-5	3-4	4-5	2-3Y
	RE. RED HE8B *Red 152	160	160	H	H	80	4-5	5	4-5	3-4	4-5	4	4	4-5	5	4	4-5	3-4	4-5	2-3Y
	RE. BLUE HERD *Blue 160	60	60	H	H	80	4-5	5	4-5	2	2	4-5	3-4	4-5	5	4	4-5	3-4	4-5	2R
	RE. BLUE HEGN *Blue 198	80	60	H	H	80	4-5	4-5	4	2	3	4	4	4-5	5	4	4-5	3-4	4-5	2R

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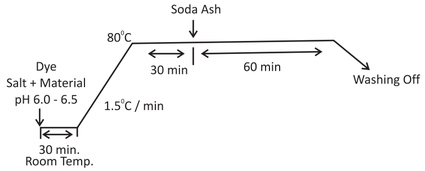
		Temp. 30°C	Stiraight	20gpl+1000 common salt	Substantivity	Reactivity	Fixation Temp. Exhaust Dyg.							Extn.	Stain	Dry	Wet				
	RE. NAVY BLUE HER *Blue 171	60	60	H	H	80	5	5	4-5	1-2	4	4	4	4-5	3-4	4-5	2R				
	RE. GREEN HE4BD *Green 19A	60	60	H	H	80	5	5	4-5	1-2	4	4	4	4-5	3-4	4-5	2B				

REACTIVE "HE" DYES "Bi-Functional Dyes"

"HE" High Exhaust Dyes

"HE" i.e. BIS MONO CHLOROTRIAZIN Dyes are Reactive Dyes for cellulosic material & are designed to give high fixation by exhaust dyeing methods when applied at the temperature 75°-90°C. HE dyes are suitable for dying cotton and other cellulosic materials. HE Dyes process significantly higher exhaustion & Fixation efficiency which result in appreciable cost reduction, in comparison to Conventional reactive dyes. Some advantage of HE Dyes have - Excellent compatibility, Good built up, Excellent Reproducibility, Wide Applicability & Outstanding built up and consistency.

Exhaust Dyeing



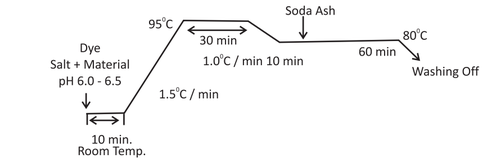
Cotton

Salt and Alkali Requirements

% Dye	Common Salt (g/l)	Soda Ash (g/l)
< 0.2	30	10
0.2 - 0.5	30 - 45	10
0.5 - 1.0	45 - 60	15
1.0 - 2.0	60 - 80	15
2.0 - 3.0	80 - 85	20
3.0 - 4.0	85 - 90	20
>4.0	90	20

* Glauber's salt is recommended with Turquoise Blue

Viscose / Mercerised Cotton



Salt and Alkali Requirements

% Dye	Common Salt (g/l)	Soda Ash (g/l)
< 0.2	20	10
0.2 - 0.5	20 - 30	10
0.5 - 1.0	30 - 35	15
1.0 - 2.0	35 - 45	15
2.0 - 3.0	45 - 55	15
3.0 - 4.0	55 - 65	20
>4.0	70	20

* Glauber's salt is recommended with Turquoise Blue

Advantages

"HE" Dyes

- Economical bis MCT dyes
- Wide range of products to cover broad shade gamut
- Good built-up behavior for deep shades
- Good wash fastness & good reproducibility

Key to Addreviations

ND = Non Dischargeable
D = Dischargeable
G = Good
M = Medium
F = Fair
P = Poor
S = Suitable
NS = Non Suitable
LS = Less Suitable
L = Low (Reactivity)

*(The information contained in this **SHADE CARD** has been provided in good faith and to the best of our knowledge but **WITHOUT WARRANTY**. Consumers are requested to test the products as to their suitability for any application, use or processing.)*