



Company Introduction

MAHICKRA CHEMICALS LIMITED is one of the leaders among manufacturers and suppliers & exporter of Dyestuffs.

MAHICKRA CHEMICALS LIMITED continues to play a leading role in the manufacturing of dyestuffs in India with the intent to further strengthen its position for its quality products. With our decades of experience and extensive industry knowledge, we have been able to face the challenges of the global market place and deliver quality products in adherence with market standards and parameters.

MAHICKRA CHEMICALS LIMITED production facilities are strategically located in the heart of chemical industrial zone VATVA, Ahmedabad that provides comparative ease and convenience to effectively utilize the Common Effluent Treatment Plant to further treat outlets.

Production And Quality Control

Whatever be user specification or quantity desired, our expertise and quality of service always remains the same. Modern production and techniques and flexible processes and procedures allow us to offer efficient service for small batch as well as large orders. Our products have already made in impact in the local market as well as in Srianka, Bangladesh, Pakistan, Zimbabwe, Netherlands, South Africa, Russia, Italy, Turkey, U.S.A., Indonesia and Korea, through direct and different good Merchant exporters.

Business Philosophy And Beliefs ...



MAHICKRA CHEMICALS LIMITED is a customer oriented company and work with the objective of achieving maximum customer satisfaction. The company has adopted innovative procedures and practices to meet customer expectations every time they deal with us. Strongly believe in long-term relation and business tie-up and also believe in mutual growth and support for bright prospects of **MAHICKRA** customer and **MAHICKRA** itself. We always welcome any feedback or suggestions from clients in order to serve them better.

Research and Development



The advance Research and Development & new Product Development is the one of the reasons for us to become a t he market leader in the Dyes & Pigment Industry today.

Our regular R & D help us to produce Global Standard of consistent quality. We have the Air Pollution Control upto rules and regulations by the government. We are also concious for safety in all respects.



MAHICKRA CHEMICALS LIMITED

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MAHICKRA CHEMICALS LIMITED



REACTIVE
“ME” DYES
“Bi-Functional”

REACTIVE DYES



2%	MAHKFIX “ME” BI-FUNCTIONAL DYES PRODUCT NAME (C.I. No.)	Solubility		Application Method			Substantivity	Day Light		Washing Fastness			Rubbing Fastness		Perspiration			Dischargeability Hypochlorite Bleaching Fastness			
		30° C G/L	ISO 3	Exhaust Dyeing	Pad - Batch Dyeing	Printing		1/6	1/1	ISO 3		ISO 4		Wet Effect	Alkali Stain	Effect	Acid Stain				
										Effect	Stain	Effect	Stain								
																			Dry Effect	Wet Effect	
																					Effect
120	90	S	S	LS	H	5-6	6	4-5	4-5	4	3-4	4-5	4	4	4	4	G	1			
	RE. YELLOW 4GL *Yellow 160	120	90	S	S	LS	M	5	5-6	5	4-5	4	4-5	4-5	4	5	4-5	4-5	4	P	1
	RE. ORANGE 2RL *Orange 122	70	60	S	S	LS	M	5	5-6	4-5	4-5	4	4	5	4-5	4	4	4	4	P	3
	RE. RED ME3BL *Red 194	100	90	S	S	LS	H	5-6	6	4-5	5	4	4	4-5	5	4	5	5	4	P	3-4
	RE. RED 3BF *Red 195	110	80	S	S	LS	M	5	5-6	4-5	4-5	4	3-4	4-5	4	4	4	4	4	F	1
	RE. RED 6BL *Red 250	70	60	S	S	LS	M	4-5	6	4-5	4-5	4	4-5	4-5	4	5	4	5	4	P	1
	RE. RED MEBS *Red 111	110	90	S	S	LS	M	5-6	6	4-5	4-5	4	4	5	4	4	4-5	4	4	P	3-4
	RE. RED RB *Red 198	120	80	S	S	LS	M	5	5-6	4-5	5	4	4	4-5	4	4	4-5	4	4	P	1
	RE. SKY BLUE MD ***	100	70	S	S	S	H	5	5	4-5	4	4	4	4-5	4	4-5	4	4-5	4	G	3
	RE. BLUE BRF *Blue 221	100	90	S	S	LS	H	5-6	6	4-5	5	4	4	4-5	5	4	5	5	4	P	3-4

REACTIVE DYES



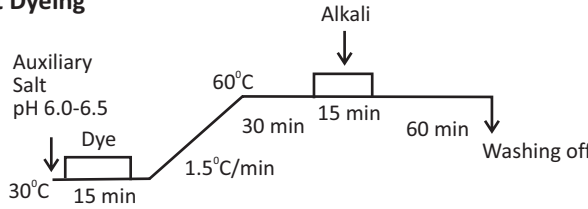
2%	<div>MAHKFIX</div> <div>"ME"</div> <div>BI-FUNCTIONAL DYES</div> <div>PRODUCT NAME (C.I. No.)</div>	Solubility		Application Method			Substantivity	Day Light		Washing Fastness			Rubbing Fastness	Perspiration			Dischargeability	Hypochlorite Bleaching Fastness			
		30° C G/L	(50 Parts/1000 Common Salt)	Exhaust Dyeing	Pad - Batch Dyeing	Printing		1/6	1/1	ISO 3		ISO 4		Effect	Stain	Effect			Stain		
										Effect	Stain	Effect								Stain	
		60	40	S	S	LS	H	4	4-5	4-5	4	3-4	4-5	4	4	3-4	4-5	4	F	2	
		80	40	S	S	LS	H	4	4-5	4-5	4	3-4	4-5	4	4	4	3-4	4-5	4	F	2
		100	90	S	S	LS	H	5-6	6	4-5	5	4	4	4-5	5	4	5	5	4	P	3-4
		150	70	S	S	S	H	3-4	4	4	4	4	4	4	3	4	4	4-5	4-5	G	1
		150	90	S	S	S	H	5	3-4	4	4	4	4	4	3-4	4	4	4	4	F	1

REACTIVE “ME” DYES “Bi-Functional Dyes”

“ME” Bifunctional Dyes

“ME” (Medium Exhaust) i.e. BIFUNCTIONAL Dye are low temperature high exhaust Reactive Dyes suitable for Dyeing Padding and printing of all dyes of cellulosic material. These dyes offer high grade of all round fastness properties. They offer leveling properties and excellent alkalis stability. Fixation temperature of these dyes is 60°-45°C.

Exhaust Dyeing



Single Alkali Method

Salt and Alkali Requirements

%Dye	Common Salt (g/l)	Soda Ash (g/l)
<0.1	20	5
0.1 - 0.5	20 - 25	5 - 7
0.5 - 1.0	25 - 40	7 - 10
1.0 - 2.0	40 - 50	10 - 13
2.0 - 3.0	50 - 60	13 - 15
3.0 - 5.0	60 - 80	15 - 20
5.0 - 7.0	80 - 90	20
> 7.0	100	20

Mixed Alkali Method

Salt and Alkali Requirements

%Dye	Common Salt (g/l)	Soda Ash (g/l)	Caustic Flakes (g/l)
<0.1	20	5	0
0.1 - 0.5	20 - 25	5	0.3 - 0.38
0.5 - 1.0	25 - 40	5	0.38 - 0.45
1.0 - 2.0	40 - 50	5	0.45 - 0.6
2.0 - 3.0	50 - 60	5	0.6 - 0.75
3.0 - 5.0	60 - 80	5	0.75 - 1.0
5.0 - 7.0	80 - 90	5	1.0
> 7.0	100	5	1.0

Advantages

“ME” Dyes

- Commodity bifunctional dyes for economical shades
- Wide range of products to cover broad shade gamut
- Good built-up behaviour for deep shades
- Good wash fastness levels & good reproductibility

Key to Addressiations

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

(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.)