

GOKUL DIRECT DYES



GOKUL EXIMP



We Make Colors
The Colors of Confidence

YESTUFFS ON COTTON

Gokul Light Fast Dyestuffs are direct dyestuffs, suitable for dyeing Cellulosic fibres or fabrics, such as Cotton and Viscose Rayon as well as loose cotton. Some of these dyestuffs have an affinity for wool and pure silk also.

Gokul dyestuffs are dyed from a neutral or an alkaline dyebath depending on individual dyestuff. The dyeings are exhausted with the addition of Glauber's Salt or Common Salt. The quantities to be added are as follows :-

For Light Shades -	0.5%	Soda Ash
	5% to 10%	Glauber's Salt Calcined or Common Salt.
For Medium and Dark Shades-	1-2%	Soda Ash
	15-20%	Glauber's Salt Calcined or Common Salt.

Dyeing Procedures

► Dissolving the Dyestuff

Utmost care should be taken to dissolve the dyestuff completely. Addition of boiling water to the powder would lead to lump formation resulting in spotty dyeing. To ensure complete dissolution, the dyestuff is pasted with cold water and dissolved with 50 to 100 times its weight of boiling water with constant stirring. For certain dyestuffs, like Congo Red Hly. Cone, Benzo Purpurine 4B Conc, Gokul Brown M, MR, MR H/Conc. and Direct Deep Black E Extra Cone, it is preferable to add half its weight of Soda Ash to the dyestuff before adding boiling water.

► Yarn dyeing

The dye-bath is set at 50 to 60°C with the dissolved dyestuff solution. The scoured yarn is then entered and worked for 15 minutes. The dye-bath temperature is raised to 90-95°C gradually in 15-20 minutes. Dyeing is continued at this temperature for 30 to 45 minutes depending upon the depth of the shade. Addition of salt after 15 minutes of dyeing is recommended to achieve level dyeing.

In the case of dyestuff which possess maximum affinity at temperatures below boil, it is preferable to start dyeing at boil, and dye for 15-20 minutes. Add salt in two installments and then dye in the cooling bath (60°C) for 15 to 20 minutes.

► Jigger Dyeing

Jigger dyeing is carried out at follows :-

1st end - Half the quantity of dyestuff solution, requisite quantity of Soda Ash, one fourth quantity of Salt at room temperature.

2nd end - Half the quantity of dyestuff solution, one fourth the quantity of Salt at 60°C, the temperature is raised to 80°C

3rd end - One fourth the quantity of Salt.

4th end - One fourth the quantity of Salt

The temperature is raised to boil and four ends are given at boil. Finally, the dye-liquor is drained off and further two ends are given in cold water.

In the case of dyestuffs which possess maximum affinity at temperatures below boil, dye for 2 to 4 ends at this temperature, add salt in four equal portions and then dye in the cooling bath for 4 to 6 ends.

Chrysophenine G Extra Conc, Congo Red, Rhoduline Red B, Blue 2B Extra Conc, Sky Blue 6BS HLY. Conc, Green B, Dark Green B Extra, Dark Green PLS Special, Light Fast Yellow 5GL can be dyed in this manner.

► After treatment

For improving the washing fastness of dyestuffs, we suggest an after treatment with cationic dye fixing agent. Dyed goods are treated in a fresh bath containing 2-3 Gms/Lts, 30 minutes at pH 6-6.5 at 40°C. The material is then rinsed and dried.

► Note:

- 1) The shades of certain dyestuffs, like Benzo Purpurine, Congo Red Bordeaux, etc. are considerably affected by the atmospheric acid and acidity of paper. In order to avoid deterioration, the shades of such dyestuffs are illustrated in this card by matching with direct dyestuffs which are fast to acidity.
- 2) a. A.F. denotes AMINE FREE (Banned 24 AZO dyes with reference to the new GERMAN Regulation are not used in the production of these products)
b. N.B. denotes NON BENZEDINE.
- 3) Our technical advice whether verbal, in writing or by way of trials is given in good faith, but without warranty.



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			Fastness to			Dischargeability	
			Light	Washing	Acetare Reserve	Neutral	Alkaline
0.5%	2%						
		A.F. Chrysophenine G Extra Conc.	4-5	2	5	5	2
		A.F. Chrysophenine R - 100	4-5	2	4-5	5	2
		A.F. Lemon Yellow 6GS Conc.	3	3	1-2	1	1
		A.F. Lemon Yellow 5G Ext.	3	3	1-2	1	1
		A.F. Fast Orange 2GS	4	2	4-5	4	2
		A.F. Prima Fast Orange S	3-4	2	4-5	3-4	3
		A.F. Fast Orange R	3	2	4-5	3-4	3
		A.F. Fast Sampangi M	4	3	4-5	4-5	3
		A.F. Congo Red H/Conc	3	2	5	4	3
		A.F. Fast Scarlet 4BS	3	2	5	3-4	3-4
		A.F. Red 12B Conc.	2	2	4	3-4	4
		A.F. Rhoduline Red B	2	2	4	3-4	4



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			Fastness to			Dischargeability	
			Light	Washing	Acetare Reserve	Neutral	Alkaline
0.5%	2%						
		A.F. Pink CM	2	2	4	3-4	4
		A.F. Swiss Pink	2	2	4	3-4	4
		A.F. Magenta BR	2	2	4	3-4	3
		A.F. Brill. Fast Violet RRL	4	2	3	3	4
		A.F. Red Brown R	4	3	4	4	4
		A.F. Brown GG	4	3	4-5	3-4	3
		A.F. Brown 2J Conc.	4	2	3-4	4	3
		A.F. Brown BG	3	2	4	3-4	2
		A.F. Brown BS	3	3	3-4	4-5	4
		A.F. Brown MR Hly. Conc.	4	3	4	4	5
		A.F. Catechine GG	3	2	3	4	3
		A.F. Catechine GS	4	2	4-5	4	2

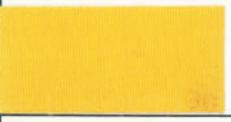


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			Fastness to			Dischargeability	
			Light	Washing	Acetate Reserve	Neutral	Alkaline
0.5%	2%						
		A.F. Brill. Pea Green 5G	5	2	2-3	4	3
		A.F. Green B Hly. Conc.	2	3	3	4-5	4
		A.F. Rambha Green	5-6	2	4-5	4-5	2-3
		A.F. Fast Green 2G	2	2	2-3	4-5	3
		A.F. Fast Olive GG Conc.	3	2	4	4	3-4
		A.F. Fast Olive GR	4	3	4-5	4	4
		A.F. Khaki 671	3	2	4	3-4	3
		A.F. Khaki GS	3	2	4	3-4	3
		A.F. Grey R	3	4	3	4	4
		A.F. Grey SB	3	4	3	4	4
		A.F. Diazo Black BH Hly. Conc.	3	4	3	4	5
		A.F. Dt. Deep Black E Ext. Conc.	2-3	2-3	2	3-4	3



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			Fastness to			Dischargeability	
			Light	Washing	Acetate Reserve	Neutral	Alkaline
0.5%	2%						
		A.F. L/F Yellow 5GL Extra Hly. Conc.	5	2	2	5	3
		A.F. L/F Yellow RR Conc.	5-6	3	5	1	1
		A.F. L/F Yellow ARLE	5	2	2	5	3
		A.F. L/F Orange 7GL	6	3	5	5	3
		A.F. L/F Orange ARLE	5	2	2	5	3
		A.F. L/F Red 6BL	4-5	2	4-5	4	4
		A.F. L/F Red 5BL	4-5	2	4-5	4	4
		A.F. L/F Red 3BL	4	2	2	3-4	4
		A.F. L/F Violet BB	4	2	2	3-4	4
		A.F. L/F Violet 4BLL /66	4	2	2	3-4	4
		A.F. L/F Yellow Brown 2GL	5-6	3	3	4	4
		A.F. L/F Blue 5GLL	6-7	2	4	4	3



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			Fastness to			Dischargeability	
			Light	Washing	Acetare Reserve	Neutral	Alkaline
0.5%	2%						
		A.F. L/F Turquoise Blue GL Extra Hly. Conc.	6-7	2	4	4	3
		A.F. L/F Blue GLL Extra Hly. Conc.	5-6	2-3	3	3	3
		A.F. L/F Green 2G	5-6	2	4	3	2
		A.F. L/F Viscose Black ER-600	4-5	3-4	3	3	4
		A.F. L/F Black FR	4-5	3-4	4	4	3



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			Fastness to			Dischargeability	
			Light	Washing	Acetare Reserve	Netural	Alkaline
0.5%	2%						
		N.B. Brill. Violet BB	2-3	2	2-3	3-4	4
		N.B. Brill. Violet B Extra Conc.	2-3	2	2-3	4	4
		N.B. Blue BC	2-3	3	4	4	4
		N.B. Fast Blue 4R	2-3	3	3	4	4
		N.B. Fast Blue 6R	2-3	3	3	4	4
		N.B. Sky Blue 6BS Hly. Conc.	2	3	5	5	5
		N.B. Sky Blue FF	2	3	5	5	5
		N.B. Fast Copper Blue FB	2	3	4	5	4
		N.B. Brill. Green B Extra Conc.	5	2-3	2-3	4	3
		N.B. Brill. Jade Green	2-3	3	3	4	3
		N.B. Brill. Jade Green XBN	4-5	2	4	3	2
		N.B. Emerald Green	5	2-3	2-3	2-3	2



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			Fastness to			Dischargeability	
			Light	Washing	Acetare Reserve	Neutral	Alkaline
0.5%	2%						
		Fast Sampangi M	4	3	4-5	5	3
		Congo Red Hly. Conc.	2	2	2-3	4	4
		Bordeaux BW Conc.	2	2	4	3-4	3-4
		Red Brown R	3	3	4	4	4
		Brown T Conc.	3-4	2-3	3-4	4-5	3
		Brown G Spl.	4	3	4-5	4	3
		Brown GG	4	3	4-5	4	3
		Brown 2J Conc.	3-4	2	3-4	3-4	3
		Brown GGB New	3	2-3	3-4	4-5	3
		Brown BG	3-4	2	4-5	3-4	2
		Brown BS	3	3	4	5	4
		Brown MR Hly. Conc.	3	3	4	5	4



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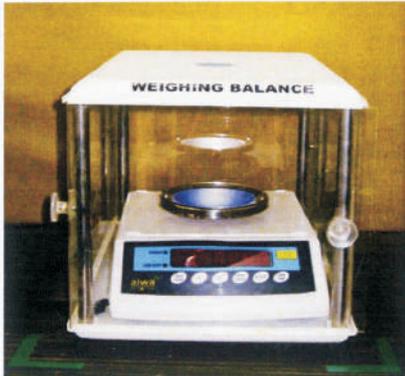
			Fastness to			Dischargeability	
			Light	Washing	Acetate Reserve	Neutral	Alkaline
0.5%	2%						
		Catechine GG	3	2	3-4	3-4	3
		Catechine GS	3-4	2	4-5	3-4	2
		Blue 2B Extra Hly. Conc.	2	3	5	5	4
		Copper Blue GW	2	3	4	5	4
		Green B Hly. Conc.	2	3	2-3	4-5	3-4
		Dark Green B Extra	2	3	2-3	4-5	3-4
		Dark Green PLS Spl.	2	3	2-3	4-5	3-4
		Fast Green 2G	2-3	2	2-3	4-5	3
		Fast Olive GG Conc.	3-4	2	3-4	4	3
		Fast Olive URN Conc.	3	2	3-4	5	3
		Fast Olive R	3	2	4-5	3-4	3
		Fast Olive GR	3	2-3	4-5	4	3-4



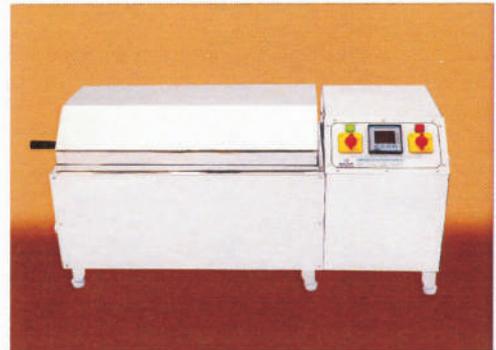
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			Fastness to			Dischargeability	
			Light	Washing	Acetare Reserve	Netural	Alkaline
0.5%	2%						
		Silk Olive BC Hly. Conc.	2	3	2-3	4-5	3-4
		Khaki 671	3	2	4	3-4	3
		Khaki GS	3	2	4	3-4	3
		Minerva Khaki	3	2	4	3-4	3
		Grey R	3	3	3	4-5	4
		Grey SB	3	3	3	4-5	4
		Diazo Black BH Hly. Conc.	3	3	5	5	4
		Dt. Deep Black ER Extra Conc.	2-3	2-3	2	3-4	3
		L/F Brown BRLL	5-6	2	4-5	4-5	4-5

TESTING PROCEDURE

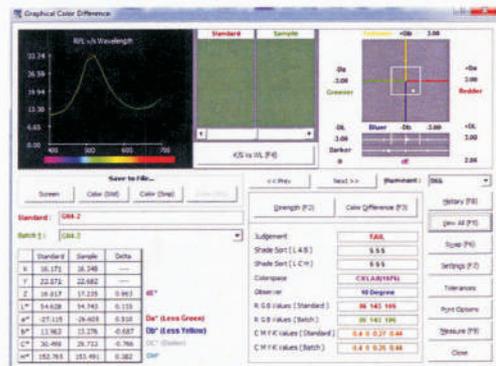


Roto-Dyer for High Temperature Dyeing



Comparison of Colour as per buyers requirements

Color matching system.
Major functions in Color Matching Software are Quality Control...



Color Difference.

PACKING AVAILABILITY

30 Kgs Carboy
Packing



25 Kgs Bags Packing



Cartons





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OUR PRODUCT RANGES

<u>Gokulmine Dyestuffs (Direct Dyes)</u>	Azo Free Gokulmine Dyestuffs Gokulmine Azo Free Light Fast Dyestuffs Non-Benzidine Gokulmine Dyestuffs Gokulmine Light Fast Dyestuffs
<u>Gokulacid Dyestuffs (Acid Dyes)</u>	Gokulacid Dyestuffs Gokulacid TPM Dyestuffs Gokulacid Milling Dyestuffs Gokulalan Metal Complex Dyestuffs
<u>Gokulactive Dyestuffs (Reactive Dyes)</u>	Gokulactive Cold Brand Series Gokulactive ME Series Gokulactive HE Series Gokulactive Vinyl Sulphone Series
<u>Gokulcron Dyestuffs (Pigment Dyes)</u>	Gokulacron Pigment Dyes (Emulsion) Gokulacron Pigment Dyes (Powder) Gokulacron Fluorescent Dyes
<u>Gokul Acetate Dyestuffs (Acetate Dyes)</u>	Gokul Acetate Blue BN Gokul Acetate Red 2GB Gokul Acetate Orange GR
<u>Also Available</u>	
<u>Basic Dyes</u>	<u>Disperse Dyestuffs</u>
<u>Sulphur Dyestuffs</u>	<u>Solvent Dyestuffs</u>



GOKUL EXIMP

**(STAR EXPORT HOUSE)
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