



SÖZAL

Segenol Dyes
Dyes for
cellulosic



Dyeing on Cotton	Segenol ME	1/1 SD (%)	Solubility at room temp. Neutral (gpl)	Solubility under dyeing conditions with Gl. Salt (50 gpl) (gpl)	Fastness Properties								Dischargeability
					Light ISO 105 B02 (up to grade -6)	Washing ISO 105 C03		ISO 105 E04					
								Perspiration alkaline		Perspiration acidic			
					1/1 SD	CS	SC	CS CS	CS CS	CS CS	CS CS		
	Yell. ME4G 150%	3,80	80	50	5-6	4	4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	D	
	Brill. Yellow 3GL	3,00	80	50	5-6	4	4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	D	
	G. Yell. MERL	3,50	130	60	6	4	4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	D	
	Yellow XS	2,80	140	70	6	4	4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	D	
	Yellow MEX	1,70	150	70	6	4	4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	D	
	Red ME3B	1,90	150	80	4-5	3-4	4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	ND	
	Red ME4BL	2,70	150	80	4	3-4	4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	ND	
	Red XS	2,30	140	80	4	4	4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	ND	
	Red MEX	1,90	150	70	4	4	4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	ND	
	Blue MERL	4,70	100	70	6+	4	4-5	4-5 4-5	4-5 4-5	3-4 4-5	4-5 4-5	ND	
	Blue BRF	2,10	150	70	6+	4	4-5	4-5 4-5	4-5 4-5	3-4 4-5	4-5 4-5	ND	
	N. Blue SFB	2,86	200	200	4	4	4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	ND	

Dyeing on Cotton	Segenol Dyes	1/1 SD (%)	Solubility at room temp. Neutral (gpl)	Solubility under dyeing conditions with Gt. Salt (50 gpl) (gpl)	Fastness Properties						Dischargeability
					Light ISO 105 B02 (up to grade -6)	Washing ISO 105 C03 CS SC		ISO 105 E04			
								Perspiration alkaline CS CS	Perspiration acidic CS CS		
	Brill. Yellow GL	3,20	100	30	5	4-5	4-5	4-5 4-5	4-5 4-5	up to 1,5 %	
	Yellow GR	3,30	100	80	6+	5	3-4	4-5 4-5	4-5 4-5	D	
	G. Yellow RNL	1,80	150	90	5-6	5	4-5	4-5 4-5	4-5 4-5	D	
	Orange 3R	2,20	60	30	5	4	4-5	4-5 4-5	4-5 4-5	D	
	Brill. Red 3B	2,50	100	60	4-5	4	4-5	4-5 4-5	4-5 4-5	D	
	Brill. Blue RN	4,90	100	80	6+	4	4-5	4-5 4-5	4-5 4-5	ND	
	Brill. Blue RN 150 %	3,20	100	70	6+	4	4-5	4-5 4-5	4-5 4-5	ND	
	Sky Blue GN	2,40	200	165	6	4	4-5	4	4-5	ND	
	T. Blue 2GP	3,90	100	70	6	4	3-4	4-5 4-5	4-5 4-5	ND	
	T. Blue G 266%	3,25	100	70	6	4	3-4	4-5 4-5	4 4-5	ND	
	Black B 150%	2/16	150	100	4 (2/1)	4 (2/1)	4-5 (2/1)	4-5 (2/1)	4-5 (2/1)	D	
	Black B-X	2/16	150	100	4 (2/1)	4 (2/1)	4-5 (2/1)	4-5 (2/1)	4-5 (2/1)	D	

Dyeing on Cotton	Segenol SD	1/1 SD (%)	Solubility at room temp. Neutral (gpl)	Solubility under dyeing conditions with Gl. Salt (50 gpl) (gpl)	Fastness Properties						Dischargeability
					Light ISO 105 B02 (up to grade -6)	Washing ISO 105 C03 CS SC		ISO 105 E04			
								Perspiration alkaline CS CS	Perspiration acidic CS CS		
	Yellow SD-3R	1,58	150	100	6	4	4-5	4-5 4-5	4-5 4-5	D	
	Orange SD-3R	1,50	120	50	5	4	4-5	4-5 4-5	4-5 4-5	D	
	Red SD-B	1,30	140	100	3	4	4-5	4-5 4-5	4-5 4-5	ND	
	Red SD-2B	2,40	100	80	5	4	4-5	4-5 4-5	4-5 4-5	ND	
	Rubine SD-B	1,00	100	80	5	4	4-5	4-5 4-5	4-5 4-5	ND	
	Rubine SD-N	1,00	125	100	5	4	4-5	4-5 4-5	4-5 4-5	D	
	Navy SD-G	1,50	100	50	3	4	4-5	4-5 4-5	4-5 4-5	D	
	Navy SD-B	1,50	125	60	4 (2/1)	4	4-5	4-5 4-5	4-5 4-5	D	
	Black GD-NN	3,00	180	130	6 (2/1)	4 (2/1)	4-5 (2/1)	4-5 4-5 (2/1)	4-5 4-5 (2/1)	D	
	Black SNN	3,00	180	130	6 (2/1)	4 (2/1)	4-5 (2/1)	4-5 4-5 (2/1)	4-5 4-5 (2/1)	D	
	Black WNN	3,00	180	130	6 (2/1)	4 (2/1)	4-5 (2/1)	4-5 4-5 (2/1)	4-5 4-5 (2/1)	D	

[illegible]

[illegible]

Dyeing on Cotton	Segenol HL	1/1 SD (%)	Solubility at room temp. Neutral (gpl)	Solubility under dyeing conditions with Gl. Salt (50 gpl) (gpl)	Fastness Properties								Dischargeability
					Light	Washing ISO 105 C03		ISO 105 E04					
					ISO 105 B02 (up to grade -6)			Perspiration alkaline		Perspiration acidic			
					1/1 SD	CS	SC	CS	CS	CS	CS		
	G. Yellow HL-NP	2,40	200	165	6+	4	4-5	4-5	4-5	4-5	4-5	ND	
	Yellow HL-2R	1,80	140	100	6+	4	4-5	4-5	4-5	4-5	4-5	D	
	Red HL-2B	4,00	85	35	6+	4	4-5	4-5	4-5	4-5	4-5	D	
	Red HL-3G	1,14	165	100	5	4	4-5	4-5	4-5	4-5	4-5	ND	
	Blue HL-R	3,80	100	70	6	4	4-5	4-5	4-5	4-5	4-5	ND	

Information

Fastness Properties (1/1 SD)

D - Dischargeable
ND - Not dischargeable

CS - Change in shade
SC - Staining on cotton

Segenol ME Dyes

- Dyes for pale, medium to dark shades on cellulose.
- Suitable for exhaust and continuous process.
- Good solubility, stability and dischargeability.
- Bifunctional dyes.
- High reproducibility.
- Economical.

Segenol SD / Segenol PLUS

- High build-up especially in dark shades.
- Multifunctional dyes.
- Suitable for exhaust and continuous process.
- High exhaustion and fixation.
- Better washing fastness.

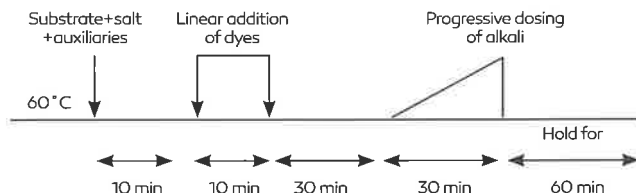
Segenol STF/ XSTF

Reactive dyes for exhaust and continue proses.

Segenol HL

- Fluoro triazine reactive dyes for high light fastness.
- Suitable for exhaust and continue process.

Dyeing : Exhaust



Method suggested for dyeing of Segenol Turquoise Dyes

Exhaust dyeing temperature : 80 °C

Exhaust dyeing salt-soda ash recommendation for Segenol Dyes :

	Segenol HL	%	<0.5	0.5	1	2	3	4	>5
Ratio>1:8	Glauber Salt	gpl	30	40	50	60	80	90	100
	Soda ash	gpl	8	10	12	14	16	18	18
Ratios1:8	Glauber Salt	gpl	20	30	40	50	60	70	80
	Soda ash	gpl	10	12	14	16	18	20	20

Exhaust dyeing salt-soda ash recommendation for Segenol HL Dyes :

	Segenol HL	%	<0.5	0.5	1	2	3	4	>5
Ratio>1:8	Glauber Salt	gpl	39	52	65	78	90	100	100
	Soda ash	gpl	11	13	16	18	20	20	20
Ratios1:8	Glauber Salt	gpl	26	39	52	65	78	90	100
	Soda ash	gpl	13	16	18	20	20	20	20

Cold Pad Batch Dyeing using Sodium Silicate and Caustic soda :

Dye	<10	20	30	40	50	60	70-100	gpl
Sodium Silicate (38-40 ° Bé)	70	70	70	70	70	70	70	ml/l
Caustic soda (36 ° Bé)	4	6	8	10	12	14	16	ml/l

*Waiting time: 16 Hours

The content of this catalog is for informational purposes only. A trial is recommended before bulk application.

SÖZAL

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