



TRIADE

Triacid

**Triacid Light Dyestuffs
on Wool**

	Triacid Dye concentration		Dyeing method	Light ISO 105-B02	Water ISO 105-E01	Washing ISO 105-C01	Perspiration ISO 105-E04	Rubbing ISO 105-X12	Alkaline milling mild ISO 105-E12	Acid milling mild ISO 105-E12	Dischargeability	Solubility
	0,2%	1,0%										
Fluorescent Yellow 10G			I	1-2 2-3	4 3 4-5	3 4 4-5	4 2-3 4-5	5 4	1 1 1	3 2-3 2-3	1-2	50
Metanil Yellow M			I	2 3	3-4 2 3-4	3 4-5 3-4	4 2 3-4	4 4	4-5 4 4-5	3-4 2-3 4-5	5	30
Orange II			I	1-2 3-4	3 2 2-3	2-3 4 4	4 2-3 3-4	4-5 4-5	3 4 4	3-4 2 4-5	5	40
Scarlet GC			II	1-2 3	3-4 4-5 4-5	4 4-5 4-5	4 4-5 4-5	4-5 4-5	4 4-5 4-5	3-4 4 4-5	5	25
Ponceau 4R			I	3 4	4 4 5	2-3 5 4-5	3-4 3-4 4	4-5 3-4	3-4 4 4-5	3-4 4 4-5	4	80
Rubine WS			I II	2-3 4	5 5 5	1-2 4-5 4	4 3 3-4	4-5 4-5	1 4 4	5 4-5 5	4-5	20
Red AN			I	1-2 3	4 4 5	1-2 3 3	3 1 2	4 3-4	1 1 2	4-5 3-4 4	4	5
Rhodamine B			I	2-3 3-4	5 4 5	2 4-5 4-5	4-5 3-4 4-5	4-5 3-4	1 3 4	4 4 3-4	1-2	60
WITHOUT GUARANTEE												

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	0,2%	1,0%										
Violet S4B			I	1	4	3	4-5	4-5	2	4-5	2-3	20
			II		5	5	4-5		4	4		
				1-2	4	5	5	4	5	3-4		
Blue B			II	1	4-5	4	4	4-5	3	4	3	10
					4-5	5	4		4	4		
			III	1	4-5	4-5	4	3-4	4-5	4-5		
Blue AE			I	1	3-4	3-4	3-4	4-5	3-4	4	2	50
					3-4	4	3-4		4	3		
				2	4	4-5	3-4	3	4-5	4-5		
Blue V			I	2	4-5	2	4	4	1	3-4	1	60
					3-4	4	2-3		3	3-4		
				3	4	3	4	3	5	3		
Blue AF			I	2	5	3	4-5	4	2	5	1-2	50
					4-5	4-5	3-4		3	4		
				3	4-5	4	4-5	3	5	4		
Pure Green V			I	2	5	2	5	4	1	4-5	3	40
					4-5	4	3		1	3-4		
				3	5	4-5	4-5	3-4	5	3-4		
Green 6B			I	1	4	2-3	4	4	3-4	4	3-4	100
					3-4	4-5	3-4		3-4	2-3		
				2	4-5	4-5	4	3	4-5	4-5		
Blue Black 10B			II	-	4	3-4	4	4	3	4	1	50
					2	4	2-3		3	3		
				5-6	1	2	2	2	2	4		
	0,5%	2,0%	WITHOUT GUARANTEE									

	Triacid Light Dye concentration		Dyeing method	Light ISO 105-B02	Water ISO 105-E01	Washing ISO 105-C01	Perspiration ISO 105-E04	Rubbing ISO 105-X12	Alkaline milling mild ISO 105-E12	Acid milling mild ISO 105-E12	Dischargeability	Solubility
	0,2%	1,0%										
Yellow 2GL			I	4-5 6	4-5 4 5	3 4-5 4	5 3-4 4	4-5 4	1 1 4	3-4 3-4 4-5	3-4	100
Yellow 3GL			I	4-5 6	3-4 2-3 3-4	2-3 4-5 4-5	4 3 3-4	4 4-5	3 4-5 4-5	4 2-3 4-5	5	100
Yellow AE			I	3-4 5	3-4 3 4	3 4 4-5	3-4 2-3 4-5	4 4-5	3 2-3 4-5	2-3 1-2 4	4	70
Orange 2G			I	3 4-5	4 3-4 4	2-3 4-5 4-5	4 3 4-5	4-5 4-5	4-5 4-5 4-5	4 3 4-5	5	40
Red 4G			I	5-6 6-7	4 2-3 3-4	3-4 3 2-3	4 2-3 2-3	4-5 4	3-4 3 4	4 2-3 4	4	30
Red G			I	3-4 5	4 3 3-4	2-3 4-5 3-4	4 3 3	4-5 3-4	3 4 4	3-4 2 4-5	2-3	60
Red BL			I	4-5 5-6	4 3 3-4	2 4-5 3	4-5 3 2-3	4-5 3-4	3-4 3-4 4	3-4 2-3 4-5	4	60
WITHOUT GUARANTEE												

	Triacid Light Dye concentration		Dyeing method	Light ISO 105-B02	Water ISO 105-E01	Washing ISO 105-C01	Perspiration ISO 105-E04	Rubbing ISO 105-X12	Alkaline milling mild ISO 105-E12	Acid milling mild ISO105-E12	Dischargeability	Solubility
	0,2%	1,0%										
Sky Blue R			I II	4 5	3-4 3 3-4	2-3 3-4 4	3-4 2-3 3	4 3-4	3 2 4	3-4 2-3 4-5	1	60
Blue AR			I	4 6	4-5 4 4-5	3-4 4-5 4	4 3 4	4-5 4	4 3-4 4	4 2 4-5	2	20
Blue A			I II	4 5-6	4 3 4	3 3 3	4 3 3-4	4 3	3 2-3 4-5	3 2-3 4	1	60
Blue 2G			I II	4-5 6	4 3-4 3-4	3 3-4 3	4 3 3	4-5 3-4	4 3 3-4	3-4 2-3 4	1	30
Blue BRLK			I	3-4 5	4-5 3-4 4-5	4-5 4-5 4	4 3 3	4-5 3-4	4-5 4 4	4 1-2 4-5	1	40
	0,5%	2,0%										
Black VLN			II	- 5	4 4 4-5	4 5 4	4-5 5 4-5	4 4-5	3 4-5 4	4 4-5 4-5	4	25
			WITHOUT GUARANTEE									

TRIACID AND TRIACID LIGHT DYESTUFFS

DYEING METHODS

The properly pre-washed woollen material is entered into a bath containing soft water with:

Method I :

- 5 - 10 % Sodium Sulphate Calc.
 - 2 - 4 % Sulphuric Acid 96% or
 - 3 - 5% Formic Acid 85%
- Temperature 50 - 60°C pH 2 - 3
Run during 10 minutes

Add the properly dissolved dyestuff and run for 10 minutes

Raise temperature in 30 minutes up to boiling and continue dyeing for 45 - 90 minutes

Rinse warm and cold

Method II :

- 5 - 10 % Sodium Sulphate Calc.
 - 1.5 - 3 % Acetic Acid 60% or
 - 1 - 2 % Formic Acid 85%
- Temperature 40 - 45°C pH 4 - 5.5
Run during 10 minutes

Add the properly dissolved dyestuff and run for 10 minutes

Raise temperature in 45 minutes up to boiling and continue dyeing for 45 - 60 minutes

For complete exhaustion, if necessary, add:

- 1 - 2 % Acetic Acid 60% or
 - 1 - 2 % Formic Acid 85%
- and continue dyeing for 30 minutes

Rinse warm and cold

Method III :

- 2 - 4 % Ammonium Sulphate or
 - 3 - 8 % Ammonium Acetate
- Temperature 40°C pH 5.5 - 6.5
Run during 10 minutes

Add the properly dissolved dyestuff and run during 10 minutes

Raise temperature in 50 minutes up to 90 - 95°C and continue dyeing during 30 - 45 minutes

For complete exhaustion, if necessary, add:
0.5 - 1.5% Acetic Acid 60% and continue dyeing for 20 - 30 minutes
Rinse warm and cold

TRIACID AND TRIACID LIGHT DYESTUFFS

Fastness properties:

Light fastness: ISO 105 – B02 (1/12 – 1/1)

Water: ISO 105 – E01

Washing: ISO 105 – C01

Perspiration: ISO 105 – E04

1st figure: change of shade

2nd figure: staining wool

3rd figure: staining cotton

Rubbing fastness ISO 105 – X12

upper figure: dry

lower figure: wet

Alkaline milling ISO 105 – E12

1st figure: change of shade

2nd figure: staining wool

3rd figure: staining cotton

Acid milling ISO 105 – E14

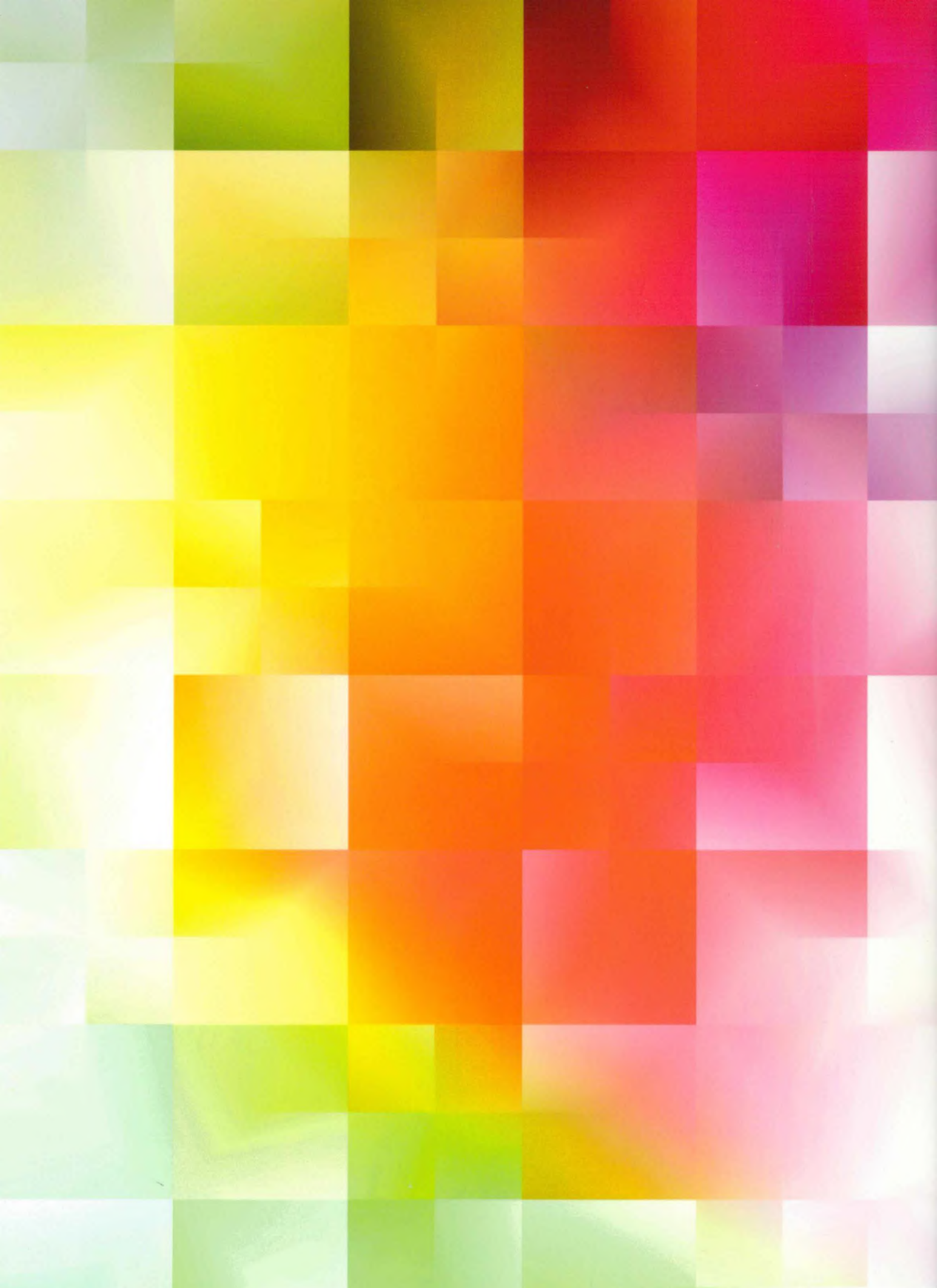
1st figure: change of shade

2nd figure: staining wool

3rd figure: staining cotton

Solubility: grs/l at 90°C

The information given in our pattern cards is based on present state of our knowledge. It shows without liability on our part the uses to which our products can be put.



Chemische Fabriek Triade

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