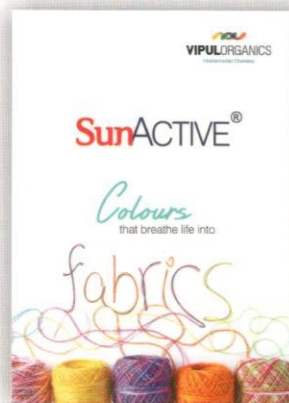
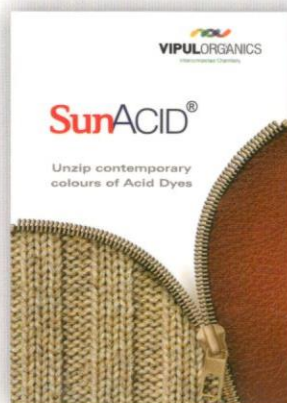


## Our Other Range of Textile Dyes

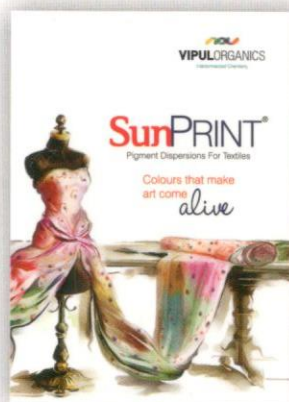
### Reactive Dyes



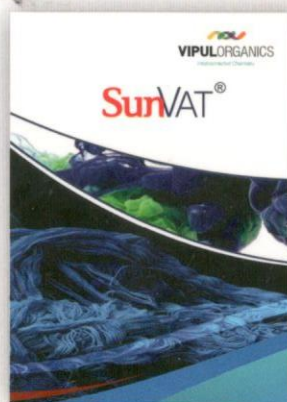
### Acid Dyes



### Pigment Paste



### Vat Dyes



  
**VIPULORGANICS**  
Interconnected Chemistry

Vipul Organics Ltd., 102, Andheri Industrial Estate, Off Veera Desai Road,  
Andheri (W), Mumbai - 400 053, India.

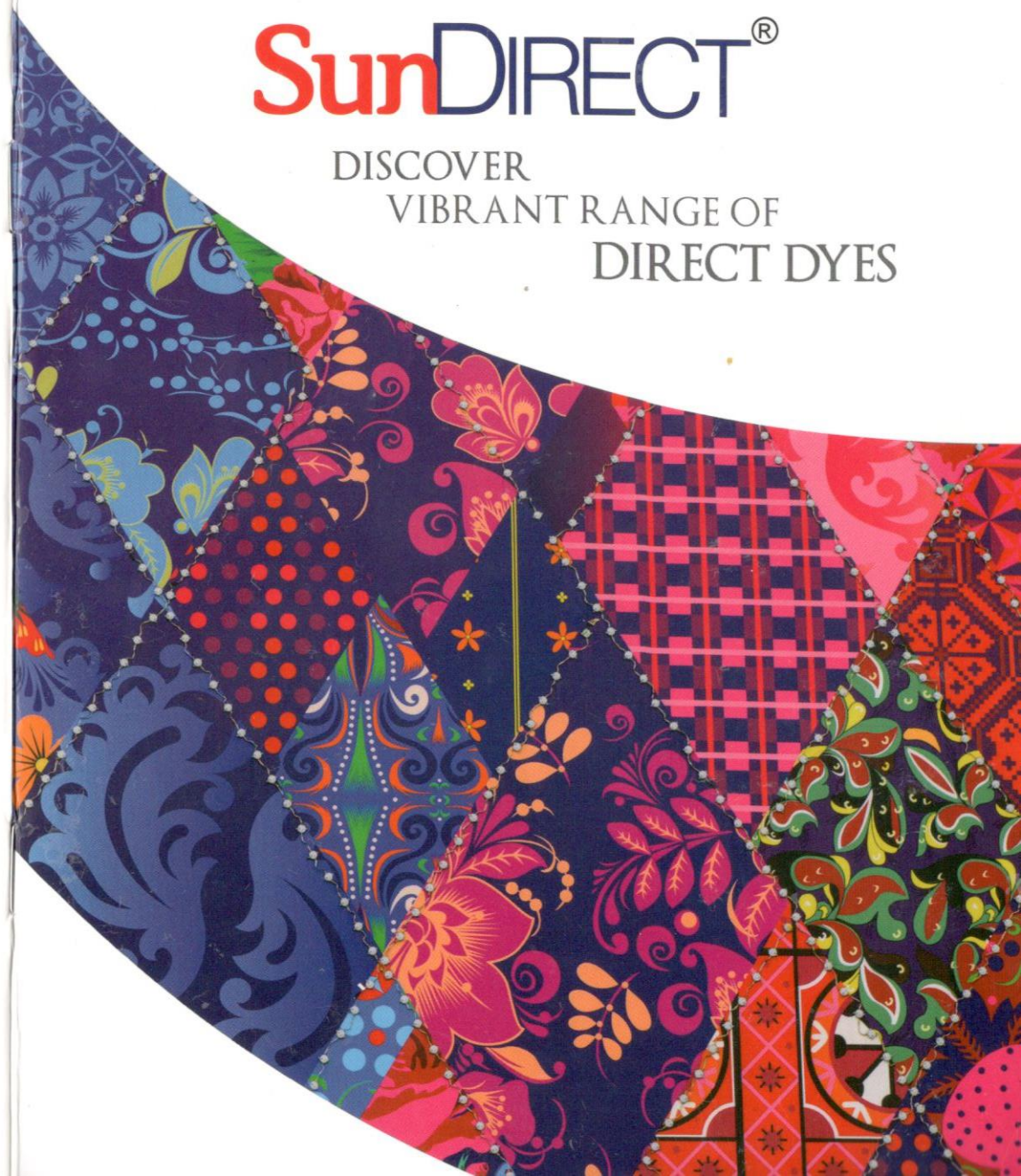
+91 22 6613 9999 +91 22 6613 9977 / 75 [marketing@vipulorganics.com](mailto:marketing@vipulorganics.com)

[www.vipulorganics.com](http://www.vipulorganics.com) [www.facebook.com/VipulOrganics](https://www.facebook.com/VipulOrganics)

  
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Interconnected Chemistry



# SunDIRECT<sup>®</sup>

DISCOVER  
VIBRANT RANGE OF  
DIRECT DYES





































0.5 %	2.0 %	Name Of Product	C. I. No.	Fastness Properties		
				L	W	P
		<b>SunDIRECT®</b> Yellow 3GX	Yellow 6	5	4-5	3-4
		<b>SunDIRECT®</b> Yellow CFG	Yellow 8	5	4-5	3-4
		<b>SunDIRECT®</b> Yellow R	Yellow 11	3	4-5	4-5
		<b>SunDIRECT®</b> Yellow G	Yellow 12	2	2-3	4
		<b>SunDIRECT®</b> Yellow NRS	Yellow 28	4-5	3-4	3-4
		<b>SunDIRECT®</b> Yellow 5GLL	Yellow 44	5	3	4
		<b>SunDIRECT®</b> Yellow RLL	Yellow 50	5-6	3-4	3-4
		<b>SunDIRECT®</b> Yellow RL	Yellow 86	6-7	3-4	3
		<b>SunDIRECT®</b> Yellow RCH	Yellow 99	4-5	3-4	3-4
		<b>SunDIRECT®</b> Yellow G	Yellow 107	4-5	4	4

0.5 %	2.0 %	Name of Product	C. I. No.	Fastness Properties		
				L	W	P
		<b>SunDIRECT®</b> Yellow PG	Yellow 142	5	4	3
		<b>SunDIRECT®</b> Orange S	Orange 26	2	4-5	4-5
		<b>SunDIRECT®</b> Orange TGLL	Orange 34	4-5	4	3-4
		<b>SunDIRECT®</b> Orange 2GL	Orange 39	5	4	4
		<b>SunDIRECT®</b> Orange V	Orange 108	5	4-5	3-4
		<b>SunDIRECT®</b> Scarlet 4 BS	Red 23	2	4	4-5
		<b>SunDIRECT®</b> Congo Red	Red 28	2	4-5	3
		<b>SunDIRECT®</b> Red 12 B	Red 31	2	3-4	4
		<b>SunDIRECT®</b> Supra Red 3B	Red 80	4	4	4-5
		<b>SunDIRECT®</b> Light fast 4B	Red 81	4	4	4



0.5 %	2.0 %	Name of Product	C. I. No.	Fastness Properties		
				L	W	P
		SunDIRECT® Rose FR	Red 227	3	4-5	4
		SunDIRECT® Scarlet 4 BN	Red 239	2-3	3-4	3
		SunDIRECT® Red 5B	Red 243	5	4-5	3-4
		SunDIRECT® Violet MB	Violet 9	3	4	3
		SunDIRECT® Violet BL	Violet 35	2	2	4
		SunDIRECT® Brill. Violet 2B	Violet 51	4	2-3	2-3
		SunDIRECT® Sky Blue FF	Blue 1	3-4	4	4
		SunDIRECT® Sky Blue 5B	Blue 15	3	4	4
		SunDIRECT® Supra Blue G	Blue 71	6	4	4
		SunDIRECT® Turq. Blue GL	Blue 86	6	2-3	3-4

0.5 %	2.0 %	Name of Product	C. I. No.	Fastness Properties		
				L	W	P
		SunDIRECT® Turq. Blue FBL	Blue 199	4-5	4	3
		SunDIRECT® Copper Blue 2R	Blue 151	4-5	4	4
		SunDIRECT® Blue 4BL	Blue 200	6	4	4
		SunDIRECT® Blue BRL	Blue 201	6-7	3	4-5
		SunDIRECT® Blue 5GLL	Blue 218	5-6	3	3
		SunDIRECT® Brown GTL	Brown 210	7	4-5	4-5
		SunDIRECT® Black NBH	Black 19	6	3-4	4
		SunDIRECT® Black VSF	Black 22	2-3	3-4	4-5
		SunDIRECT® Diazo Black OB	Black 80	4	3	4
		SunDIRECT® Black GB	Black 168	4	4	4

**SunDIRECT®** is an exclusive range of direct dyes offered by Vipul Organics Ltd.

Vipul Organics was established in the year 1968. We are one of the fastest growing companies in the manufacturing of Pigments, Dyestuff, Food Colors, Naphthols, Fast Bases / Fast Salts. We have four manufacturing facilities which operate at the highest quality levels following systems such as ISO 9001: 2015.

With presence in 45 countries, Vipul Organics, is a global color solution provider.

SunDirect® dyes are widely approved globally and are renowned for usages on fibres such as cotton, linen and rayon. Our Direct dyes are known for high light fastness, which ensures resistance to fading in light.

Direct dyes are also quite widely used in the paper industry. We also offer Direct Dyes in liquid form.

Our other Textile dyes range includes the following :

**SunACTIVE®** : Reactive dyes for textile dyeing and printing.

**SunACID®** : Acid dyes for nylon, wool, silk and leather.

**SunVAT®** : Premium range for Vat Dyes.

**SunPRINT®** : Pigment dispersions for textile printing.

**SunTHOL®** : Naphthols for textile dyeing.

**SunFAST®** : Fast salts / bases for textile dyeing.

## Dyeing of Direct Dyes

Direct Dyes are water soluble dyes and mainly recommended for dyeing of cotton, linen, viscose rayon, silk, wool, polyamide fibers and cellulosic components in blends by the exhaustion, padding (pad-jig), pad-roll and pad steam and printing methods. These dyes provide brilliant shades with satisfactory fastness properties.

Exhaust Dyeing - Recipe :

Dyestuff : X %  
Soda Ash : 1-2 % (O.F.W.)  
Glauber's Salt : 15-20 % (O.F.W.)  
Liquor Ratio : 1:10

The dye bath is set at 40-50°C with Soda ash, salt and required amount of dyestuffs.

Immerse the goods and continue dyeing for 10-15 min. Raise the temperature to boil in 15 min. - 20 min. Dyeing is continued for 30- 45 min for complete exhaustion. Material is rinsed and then fixing is carried out.

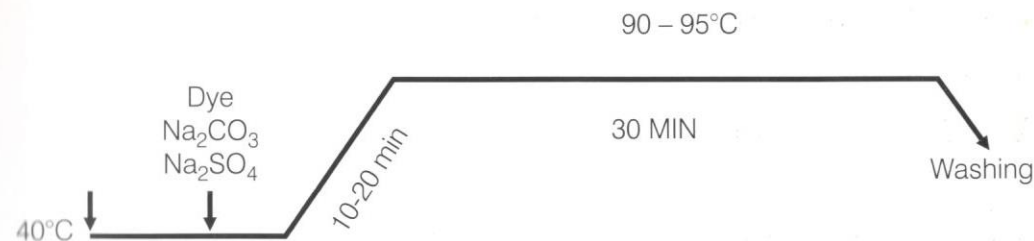
The fastness properties of direct dyes can be improved by after treatment with following :

1. Dyed material is treated for 30 min at 80°C in bath containing Copper sulphate (0.5 to 2 %) and Acetic Acid (30 %) 0.5 to 2 %. This improves the light fastness.
2. Dyed material is rinsed and treated for half an hour at 80°C in a bath containing Sodium Dichromate (2 to 3 %) and Acetic Acid (30 %) 2 to 5 %. This improves the washing fastness.

Fastness properties: Light 1 to 8  
(1 being poor and 8 being outstanding)

Washing : 1 to 5  
Rubbing (Wet and Dry) : 1 to 5  
(1 being poor 5 being outstanding)

## Dyeing Procedure



## PADDING

Recipe for Padding Liquor

Dyestuff : X gm  
Levelling Agent : 10 gm  
Na<sub>3</sub>PO<sub>4</sub> : 100 gm  
Add to water : 50 ml

Procedure :

Material is padded with the liquor and pick up is about 80% at temperature 60 °C. The goods are steamed at 100 - 103 °C for 1 to 4 min. material is rinsed, followed by fixing, rinsing and drying.