



Since 1994



SUNRISE Enterprise

MFR. & EXPORTER OF DYES & INTERMEDIATE



Your Business is Your Energy
Express your Energy with **COLORS.**

www.sunrisedyestuff.com



About Us

Since 1994 we are the leading manufacturer and Exporter of Dyestuffs & Intermediates. we have Two Manufacturing units, located at heart of chemical zone at Vatva, Ahmedabad which provides comparative ease and convenience for production and to utilize effectively the common effluent plant Common MEE Plants for further treatment.

We have already made an impact in local market as well as export market in different country. we always welcome any feedback, suggestions from our valuable clients. We strongly believe in Long term Business Relation, also believe in mutual growth and support for bright prospects of **SUNRISE** Customers and **SUNRISE** itself.

Continues efforts are made to develop the product to suit the specific customers requirement on various applications & parameters at our own R&D department. In House testing facilities makes enable us to offer more qualitative and consistent products to our customer, users till their satisfaction with zero rejection. Our company's products are well accepted in India and abroad.

We can assure you of the good quality, competitive price, and excellent service, prompt delivery on the basis of equality and mutual benefit!

Annual Turnover : Rs. 1000 Lacs / USD 20,00,000

Production Capacity per Annum : 750 MT





LIGHT FAST DIRECT DYES

















SHADE		C.I. NAME	COMMERCIAL NAME	CAS No.	Solubility Gms/Lt. at 90°C	Application
1%	2%					
		Direct Yellow 6	Dt. Yellow 3GX	1325-38-8	50	C/P
		Direct Yellow 11	Dt. Paper Yellow T	1325-37-7	40	P/L
		Direct Yellow 26	Dt. Fast Bril. Yellow 2G	2829-42-7	50	C/P
		Direct Yellow 44	Dt. Yellow 5GLL	8005-52-5	60	C/P
		Direct Yellow 50	Dt. Yellow RS	3214-47-9	70	C/P
		Direct Yellow 86	Dt. Yellow RL	50925-42-3	70	C/P/I
		Direct Yellow 99	Sun Yellow RCH	138-28-3	25	C/P
		Direct Yellow 120	Dt. Yellow 3G	12222-63-8	70	C/P/I
		Direct Yellow 132	Dt. Yellow 3GF	61968-26-1	70	C/P/I
		Direct Yellow 142	Dt Yellow PG	71902-08-4	90	C/P/I

- C - Cotton
- P - Paper
- I - Ink
- L - Leather
- Shade are for reference only, actual shade may Differ.










LIGHT FAST DIRECT DYES

SHADE		C.I. NAME	COMMERCIAL NAME	CAS No.	Solubility Gms/Lt. at 90°C	Application
1%	2%					
		Direct Orange 26	Direct Orange SE	3626-36-6	50	C/P/L
		Direct Orange 34	Direct Orange TGLL	12222-37-6	40	C/P/L
		Direct Orange 39	Direct Orange 2TGL	1325-54-8	50	C/P/L
		Direct Orange 102	Direct Orange WS	6598-63-6	60	C/P
		Direct Orange 108	Direct Orange BRO	6358-79-8	60	C/P
		Direct Red 31	Direct Red 12B	5001-72-9	70	C/P
		Direct Red 81	Direct Red 5BL	2610-11-9	25	C/P/I
		Direct Red 239	Direct Red 239	60202-35-9	70	C/P/I

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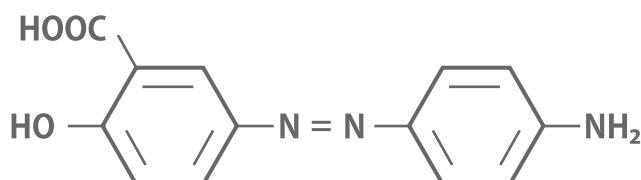
LIGHT FAST CRAFT PAPER DYES

PRODUCT NAME	COLOR SHADE
Golden Yellow	
Golden Brown	
Chocolate Brown	
Sun Yellow	
As Per Your Requirments	

DYES INTERMEDIATES

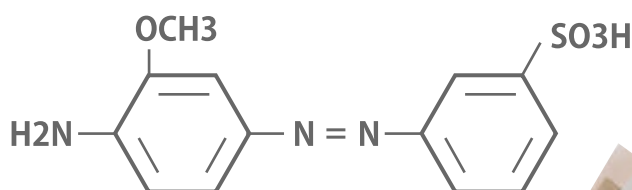
SPECIFICATION : P-AMINO PHENYL AZO SALICYLIC ACID (MW 257)

Name of Product	: Papas Acid
Chemical Name	: P-amino phenyl azo salicylic acid
MW	: 257
Cas No.	: 6470-98-0
From Supplied	: wet cake
Min. Purity	: 60% (MW 257)
In Soluble	: 1.0% Max
Solubility	: Dilute Alkali
Physical Appearance	: Greenish
Packing	: 25 Kgs HDPE Bag
Use	: Intermediates of Dyes



SPECIFICATION : 4-AMINO-3 METHOXY - AZOBENZENE 3-SULFONIC ACID (MW 307)

Name of Product	: Fast Yellow PG Base (MAMAS ACID)
Chemical Name	: 3 Methoxy 4 Amino Azo Benzene 3 sulfonic Acid
MW	: 307
Cas No.	: 08-07-6300
From Supplied	: wet cake
Min. Purity	: 75% (MW 307)
In Soluble	: 0.3% Max
Solubility	: water
Physical Appearance	: Light Orange
Packing	: 25 Kgs HDPE Bag
Use	: Intermediates of Dyes





DYE STUFFS FOR CELLULOSE

Sunrise Enterprise has been manufacturing synthetic dyestuffs for the paper, leather and textile industry for 3 decades. Sunrise has always been eco-friendly and was amongst the first in India to realize the harmfulness of carcinogenic Benzidine based dyestuffs.

The Complete range of Direct Dye stuffs made by Sunrise is extensively used for dyeing cellulosic fibres cottons, viscose and rayon in fabric, yarn and loose stock from as well as for the dyeing of paper, leather, wool, silk, nylon, jute etc. All our Direct dye stuffs are eco-friendly and extremely easy and economical to use. Our LIGHT FAST DIRECT Dye stuffs are particularly suited for one bath dyeing of polyester / cellulosic blends.

Dyeing have excellent wet fastness when treated with good dye fixing agents. Our substitute dyestuffs are an in-house development which can be safely used as substitute for Benzidine direct dyestuffs which have been axed by the German ban. The Properties of these dyes are similar to those affected dyes.

PRE-TREATMENT OF CELLULOSICS AND POLYESTER / CELLULOSIC BLENDS

Cellulosics and their blends with polyester should be thoroughly pre-treated in order to obtain optimum dyeing results. The presence of natural waxes, oils, starch sizes cotton seeds etc. makes the material less absorbent and impairs dye uptake.

DESIZING

Starch sizes are removed either by enzymatic or oxidative desizing. Enzymatic desizing is carried out with an amylase enzyme while oxidative desizing is done with persulphate.

MERCERISATION / CAUTICIZATION

Mercerisation gives good dyeability and absorbency to the material.

caustic soda 28-30° Be
wetting agent stable in caustic soda
Temperature <20°C

If mercerisation cannot be done, carry out causticisation in caustic soda, 20-22° be, For Viscose and its blends causticisation is to be carried with caustic soda 4-6° be.

SCOURING

Scouring with a detergent and alkali brings about saponification of oils and waxes and improves wetability of the material.

0-3-1 ml/l Detergent
1-2 g/l Soda Ash
0.2-0.5 g/l Defoamer
50-60°C, 1.1/2 hours

BOILING-OFF

2-3 ml/l Boiling-off Detergent
5-15 g/l Caustic Soda
0.2-0.5 g/l Defoamer
95-100°C, 1-2 hours

BLEACHING

1-2 ml/l Non Silicate Peroxide Stabilizer
1-2 ml/l Detergent
1-2 g/l Caustic Soda
2-4 ml/l Hydrogen Peroxide, 35 wt%
0.2-0.5 g/l Defoamer
90°C, 1-2 hours

ONE BATH BOILING-OFF & BLEACHING

1-2 ml/l Non Silicate Peroxide Stabilizer
1-2 ml/l Detergent
1-2 g/l Caustic Soda
2-4 ml/l Hydrogen Peroxide, 35 wt%
0.2-0.5 g/l Defoamer
90°C, 1-2 hours

DISSOLUTION OF THE DYESTUFF

It is very important to ensure complete dissolution of the dyestuff. The dye is pasted with water at room temperature and dissolved in boiling water with constant stirring.

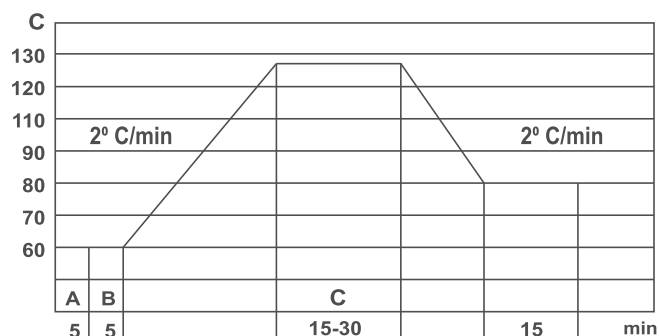
DYEING METHOD

YARN DYEING : The dyebath is set at 40-50°C with 0-2% Soda Ash. Run for 10 to 15 minutes, add dissolved dyestuff and 5-10 g/l salt*. Raise the temperature to 90/95°C in 15 to 20 minutes. Add 5-30 g/l salt* and continue dyeing at this temperature for 30 to 45 minutes. Cool the bath 80°C and dye for 15 minutes. Rinse hot & Cold.

ONE BATH METHOD FOR POLYESTER / CELLULOSE BLENDS

In this simple, dependable and short method, all chemicals including salt* are added at the start of dyeing.





A: Chemicals, B: Dyes (Disperse & Direct), C : Salt*

RECIPE

A:

0.5-1 g/l Dispersing Agent
1 g/l Ammonium sulphate
Adjust the pH of bath to 4-5 with Formic

Acid

B:

X% Direct Dye
Y% Disperse Dye
5-40 G/l Salt*
Rinse warm (40-50°) and cold.

Note : For Dyeing Light fast Black BL by one bath method, the bath is cooled to 80° C after adding the dye at 80° C the dyeing is continued at the same temperature for 30 minutes.

JIG DYEING:

Run one end with 1/2 portion of dye and 1/4 th portion of salt* and second end with the remaining portion of dye and 1/4 th of salt*. Run 2 more ends with 1/4th portion of salt each. Rinse hot & cold.

For Light Shades :5-10% Salt*
For Medium Shades :15% Salt*
For Dark Shades :20-30% Salt*

AFTER TREATMENT:

Treat with dye fixing agent at 40° C for 15 minutes. Rinse cold.
* Salt implies Sodium Sulphate (Calc.) or Common salt (Vacuum)

DYES FOR PAPER

Sunrise Range in dyes for the paper industries to coloring the paper by pulp dyeing/deep dying methods. The Sunrise Shades are Direct dyes having a good fastness properties and with minimum color in drain out. The illustrated colors in the card dyed with following recipe and condition in the laboratory by pulp dyeing method.

Take 2400 ml water and add 2 gms. Alum ($Al_2 SO_4$) in to water make pH 5.3

Paper Pulp : 5.00 gms. in the above solution

Add Paptron dyes : X %

Stir for 2 minutes in Pulp disintegrator at 7000 rpm.

The pulp contain solution put in to Hand sheet former, and filter.

Squeeze and dry at 105 degree Celsius for 15-20 minutes.



SUNRISE



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