



## Magic SD

(Low temperature dyeing auxiliaries for sulphur dyeing process)

### 1) Product Description

It is a dyeing additive which activates sodium sulphide reduction properties at lower temperature. **Magic SD** also increase colour yield of blacks and Blues

### 2) Properties

|                      |   |                          |
|----------------------|---|--------------------------|
| Appearance (As such) | : | Clear colorless granular |
| Appearance (5% Dil.) | : | Clear translucent liquid |
| pH(5% Dil.)          | : | 5 – 8                    |
| Solubility           | : | Miscible in water        |

### 3) Advantage

Saves Electricity  
Saves Fuel  
Saves Time  
Better quality fabric processing of Lycra blends  
More colour depth of shades

### 4) Application

- 4.1) 600 liters Warm Water 45 – 50°C  
6 Kgs. Sultan Black  
2 Kgs. Soda Ash  
10 Kgs. Sodium Sulphide Flakes (60%){ 1.5 times of colour weight}  
10 Kgs. **Magic SD** {1.5 times of colour weight}  
30 Kgs. Common Salt
- 4.2) **Preparation of Dyestuffs** : 30 Lts. Boiling Water while stirring add 6 kgs. Sodium Sulphide, 1 Kg Soda Ash and 6 kg Sultan Black till dye is properly mixed.
- 4.3) **In the machine** : At 48 – 50°C Water add garments and run the machine, during running of machine add Sodium Sulphide Flakes remaining 4 Kgs., then add remaining Soda Ash 1 Kg. after 3-4 min. add **Magic SD** 10 Kgs and run the machine for 5 min. (Do not open the Gate/Cover as Oxygen can reduce the efficiency of dye auxiliaries) add prepared reduced colour in 4 – 5 parts over a period





5- 10 mins. After adding all colour add 10 Kgs. Magic SD and run for 5 minutes then add common salt 30 Kgs in the machine. Run the machine for 30 - 45 min. and drain. (Do not increase the temperature, the starting temperature is sufficient for transfer of dyes)

- 4.4) Plain Water Rinsing
- 4.5) Neutralization and post process as usual

## 5) Safe use and handling

Good hygienic and industrial practices should be followed and, when employed as recommended, **Magic SD** will not present any hazard. However, prolonged skin contact with the neat product should be avoided and any splashes on the skin should be washed off with water.

The information herein is, to the best of our knowledge, correct and complete. It is based not only on the work in our laboratory but also on the reported results of other workers in this field. It is offered without guarantee of specific properties and no patent liability is assumed. No liability can be accepted for any loss, injury or damage resulting from its use.

