

## SULTAN BLACK ECO

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**Function:** Sulphur black dye

**Chemical Character:** Sulphur black dye

**Ionic character:** Anionic

**pH value :** 12,0 – 13,0

**Appearance:** Black Liquid

### STABILITIES

#### SULTAN BLACK ECO

- Sensitive to-frost. Temperatures under freezing point could cause irrevocable changes.
- Product should not be processed with ACIDS and OXIDIZING AGENTS.

### STORAGE LIFE

#### SULTAN BLACK ECO

- Cool, dry places and under good ventilation conditions product has 12 months of shelf life to original packing.
- Packing should be tightly closed and avoid from the sunlight, acids and oxidizing agents. In case of contact with acids and oxidizing agents gases can be toxic and fatal. Much less amount of toxic gas can be emitted than Conventional Sulfur Dyes.

### PROPERTIES

#### SULTAN BLACK ECO

- It does not contain Polysulfur as in conventional dyes. When used in conjunction with Econsidant as a reducing agent, it does not release toxic gas during the dyeing and neutralization processes of wastewater treatment.
- Suitable for exhaust and pad-steam processes.
- It prevents collapses in process.

## APPLICATION TECHNIQUES

### SULTAN BLACK ECO

#### Application Fields

Used in continuous and discontinuous dyeing processes.

#### Application Proposals

##### Oxidation

H2O2 % 50 3 - 5 g/l  
Acetic Acid 2 - 3 g/l

pH: 4 - 4,5  
Temperature : 50 C  
Time :45 - 60

Oksido BRI 5- 6 g/l  
Acetic acid 3-4g/l

pH: 3,5 - 4,0  
Temperature : 55 – 60 C  
Time :45 – 60

- Information about safety properties can be found in MSDS (Material Safety Data Sheet)
- The right of the product and to make change in its prospect is concealed by us.
- MKS DevO R&D laboratories can provide more info on application techniques of the product.