



World conventional
Sulphur Black Dye Production

240.000 

Waste Water Amount from
Dyestuff Production

15 million m³



SULTAN BLACK®

DENIM PROCESSING AUXILIARIES

SULTAN BLACK®



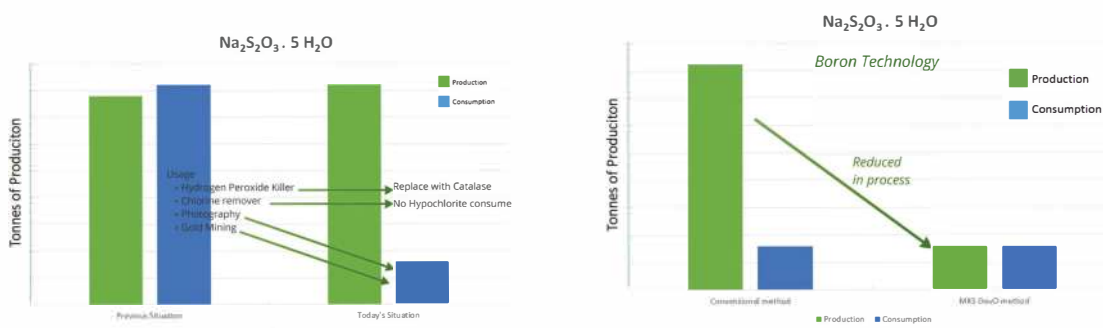
New **SULTAN BLACK** range focusing new production technology, ecological and application performance that are compliant with environmental aspects, trends, health and safety standards of 21st Century's textile industry. The production of Sulphur Black Dye, which was patented in 1901, continues to be produced in the same way by competitors without undergoing fundamental changes.



By-products produced at significant amounts at the end of conventional reactions:

- ▶ Sodium Thiosulfate.
- ▶ In the past, the use of Sodium Thiosulphate was wider, while the resulting amount could be consumed.
- ▶ Nowadays, it becomes waste because its use decreases.

In 2012, **MKS DevO Kimya** improved the reduction technology with Boron Catalyst and minimized the amount of sodium thiosulphate produced as a by-product from the reactions. While 60 kg of water is consumed for the production of 1 kg of dyestuff in conventional dyestuff production, 1 kg of water is consumed by **MKS DevO** catalyst technology. This water is also recovered and does not become waste.



Our new cutting edge SULTAN BLACK production technology features;

- Undisputed cost&quality effectiveness
- Environmentally Friendly, Azo Free, less inorganic polysulphide
- Better penetration, diffusion and fixing to the fibre
- High stability of storage and usage

Advantages

- ▶ High Application Performance
- ▶ Cost Improvement
- ▶ Eco-friendly
- ▶ Zero waste
- ▶ Zero Water Pollution
- ▶ Zero Emission

AUXILIARIES

ANTIOXIDANT HIGH Series	Reducing Agents. Provides High Reducing & Controlled Oxidation Ability
REDUCTO Series	Non-Sulphide Base Reducing Agents
WETTO Series	Wetting Agents for Pretreatment, Dyeing and Mercerizing
SECHO Series	Powerful Sequestering Agents
DEVELOPE JFR Series	Dispersing & Washing Agents
ECONOTRA Series	%100 Organic Acid Buffers
OXIDO Series	Powerful Oxidizing Agents
DEVOSIZE Series	Acrylate Sizing Auxiliaries

