TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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OXISTAB™ Series – Oxistab PSX

Pinhole Preventor Peroxide Stabilizer

Manufacturer: Tusi Haytham Bio Limited

Product Description:
Oxistab PSX is a specialized peroxide stabilizer designed to prevent pinholes and fabric damage during hydrogen peroxide bleaching processes.
It stabilizes peroxide activity, reduces fabric weakening, and enhances bleaching uniformity to protect fabric integrity.

Key Performance Properties:

- **Effectively prevents pinholes and fabric damage during peroxide bleaching.**
- **Stabilizes hydrogen peroxide to control its decomposition rate.**
- **Improves bleaching uniformity and fabric strength retention.**
- **Compatible with common bleaching auxiliaries and process conditions.**
- **Reduces fabric wastage and improves product quality.**

Typical Properties:

Property	Specification
Appearance	Clear to pale yellow liquid
pH (25 °C)	6.5 – 8.5
Ionic Nature	Anionic / Nonionic blend
Water Miscibility	Fully soluble
Stability	Stable at pH 5 – 10 and temperatures up to 90 °C

Application:

- **Add Oxistab PSX to peroxide bleaching baths to prevent pinholes and enhance fabric quality.**
- **Typical dosage: 0.3 – 0.8 g/L depending on fabric type and processing conditions.**
- **Optimize dosage based on lab trials for specific applications.**
- **Compatible with peroxide stabilizers, detergents, and other bleaching auxiliaries.**

Precautions:

- **Avoid mixing with strong acids or incompatible chemicals without dilution.**
- **Use personal protective equipment when handling.**
- **Store in tightly sealed containers to maintain product quality.**

Packing Size:

Available in 25 kg, 60 kg, and 120 kg plastic drums.

Storage:

- **Store in a cool, dry, ventilated place below 40 °C.**
- **Shelf life of 12 months in original unopened packaging.**
- **“Best use before end” date marked on the product label.**

Issued by:
Tusi Haytham Bio Limited – Technical Division
Product: OXISTAB™ Series – Oxistab PSX
Category: Pinhole Preventor Peroxide Stabilizer