TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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HYTHASOL™ Series – Hythasol AIW 13

ANIONIC WETTING AGENT

Manufacturer: Tusi Haytham Bio Limited

Product Description:

Hythasol AIW 13 is an anionic wetting and penetrating agent formulated for applications requiring strong wetting performance under alkaline or neutral conditions.
It provides rapid and uniform wetting for various textile substrates and is suitable for use in scouring, bleaching, dyeing, and finishing processes.
Its excellent emulsifying and detergent properties make it effective in removing oils, waxes, and impurities from fibers.

Key Performance Properties:

- **Strong wetting and penetrating performance, even at low concentrations.**
- **Excellent detergency and emulsifying action.**
- **Stable in high temperature, alkaline, and hard-water conditions.**
- **Good compatibility with other anionic and nonionic surfactants.**
- **Enhances scouring and promotes uniform dyeing.**
- **Biodegradable and environmentally friendly.**

Typical Properties:

Property	Specification
Appearance	Light yellow to colorless, clear liquid
pH (25 °C)	7 ± 1
Ionic Nature	Anionic
Water Miscibility	Soluble in water in all proportions
Foam Character	Moderate foaming
Stability	Stable to alkalis, electrolytes, and hard water

Application:

Hythasol AIW 13 is suitable for both exhaust and continuous processes in textile pretreatment and dyeing.

- **Exhaust process: 0.5 – 2.0 g/L**
- **Continuous process: 2 – 6 g/L**

Dosage should be adjusted according to process type, fiber composition, and level of soiling.

Precautions:

- **Avoid direct mixing with strong acids to prevent decomposition.**
- **If excessive foam occurs, add a small amount of compatible defoamer.**
- **Ensure proper rinsing when used in pretreatment to avoid interference with subsequent dyeing.**

Packing Size:

Hythasol AIW 13 is available in 60 kg and 120 kg closed-mouth HDPE drums.

Storage:

- **Maximum temperature during storage and transport: 40 °C.**
- **Store in a cool, dry, and ventilated area away from direct sunlight.**
- **Shelf life: 6 months in original sealed container.**
- **The “Best use before end” date is shown on the product label.**

Issued by:
Tusi Haytham Bio Limited – Technical Division
Product: HYTHASOL™ Series – Hythasol AIW 13
Category: Anionic Wetting Agent

Would you like me to make the HYTHASOL™ Series TDS match visually (same design and layout) as the HYDRA™ Series ones — for example, to prepare a combined professional PDF booklet for your full wetting agent line?

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