

THROWOL B



DESCRIPTION

Clear yellow oil of mild odour. Self emulsifiable in water.

APPLICATIONS

A soaking oil for raw silk, particularly for use where traditional soaking methods are practised depending on the end use of the silk.

APPLICATION DETAILS

- Weaving yarns - 4% oil calculated on the dry weight of the silk
- Knitting yarns - up to 16% on the weight of the fibre

An emulsion of the required concentration should be prepared by stirring the oil into water at normal room temperature. (Adding the water to the oil is not recommended). A homogenous white emulsion should be formed and the silk hanks soaked in the emulsion. Where soaking is carried out in machinery designed to circulate the liquor, for example the Franklin soaking machine, soaking is usually complete in 2 to 3 hours, or alternatively where there is no liquor circulation, the silk should be soaked for 12 hours or overnight. The temperature during soaking should not exceed 40°C (100°F). An exhaustion level of 60% to 70% can be expected.

PERFORMANCE DATA

- Softens the natural silk gum making the silk pliable for subsequent processing. It also lubricates the fibre.
- Achieves even penetration, and therefore softness, throughout the silk hanks.
- Does not require the use of additional alkalis in the soaking solution.
- Readily forms stable emulsions at dilute concentrations.
- If required, THROWOL B can be removed prior to the de-gumming process by the use of a mild detergent solution.

TYPICAL CHARACTERISTICS AND PROPERTIES

| THROWOL B | UNITS | TYPICAL RESULT |
|--------------------|-------|---|
| Viscosity @ 21°C | cSt | Approx. 125 |
| Density @ 15°C | kg/l | Approx. 0.91 |
| Cloud Point | °C | < 0 |
| Flash Point (SETA) | °C | > 170 |
| Ionic Character | | Non-ionic / Anionic |
| Active Content | % | 100 |
| Shelf Life | | 7 years in sealed container stored out of direct sunlight |

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BENJ^M R. VICKERS & SONS LTD.

Registered Office
 6 Clarence Road, Leeds,
 LS10 1ND, United Kingdom

Registered in England
 Company No. 00130013

Tel: +44 (0) 113 386 7654
Web: www.vickers-oil.com
Email: inbox@vickers-oil.com

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