

**CROTOL 15SPBC** is a highly efficient oil/synthetic lubricant possessing good wetting properties, anti-mildew characteristics, good anti-static properties and excellent fibre/metal lubrication properties for use on most yarn types.

Designed as a multi-purpose textile lubricant with applications ranging from a fibre lubricant, for wool and synthetic fibres at blending and carding, as a conditioning lubricant and as a very effective lubricant for application at warping/beaming of most yarns, for weaving, where an alternative finish to a conventional film – forming 'wax' is required. The excellent emulsification properties of **CROTOL 15SPBC** are achieved through the high level of emulsifiers used in the formulation of this balanced material.

## APPLICATION

- (1) Carding / Conditioning – 1 part of **CROTOL 15SPBC** can be diluted with up to 19 parts of water (i.e.) 5% concentration and the usual amount of condition then applied during yarn winding or twisting, or for application, by spray method, through conventional conditioning machines.
- (2) Warping / Weaving – **CROTOL 15SPBC** is ideally suited as a lubricant for weaving yarns with the application at the warping / beaming stage. With this method, the product is used in its concentrated form to offer the best possible lubrication to the yarns during weaving.

When used for this application, **CROTOL 15SPBC** will confer good fibre / metal lubricating properties to the warp threads enabling smooth passage through weaving machines. Unlike film – forming 'waxes' the product remains liquid and so, is ideally suited to clients who still prefer this form of weaving lubricant. The excellent emulsifying properties of **CROTOL 15SPBC** enable ease of scouring, provided that standard, efficient scouring methods are utilised.

Typical applications levels commonly used are as between 2 – 4% (o.w.g.) which provides adequate for most spun or continuous filament yarns. As with all warping lubrication applications, care should be taken to ensure minimum amounts are applied and that application is even. Intentional over applications of any warping lubricant should be avoided and trial increased pick-up levels should be controlled carefully with small percentage increase levels only at each trial run.

- (3) Fibre Lubrication

**CROTOL 15SPBC** serves as a highly effective fibre lubricant, primarily for use at the blending stage for woollen spun yarns. Suited to wool and synthetic blends, the product is ideally suited to applications where final scourability, under natural conditions, is desired.

Application levels range and can be advised to suit particular mill conditions, spinning machinery and fibre types.

## TYPICAL PROPERTIES

Appearance	-	Clear Yellow Free Flowing Liquid
Active Content	-	95% Minimum
Ionic Character	-	Non-ionic
Viscosity (B4 Ford Cup)	-	27 – 35 secs @ 20°C (3:1 aqueous solution)
Anti-static Properties	-	Excellent
Solubility	-	Readily Emulsifiable @ 20°C
Flash Point (COC)	-	190 – 210

## STORAGE AND SHELF LIFE

Extremes of temperature should be avoided, although the product is unaffected by normal temperatures.

A 12 month minimum shelf life can be expected when stored in unopened containers and storage recommendations are observed.

## HEALTH & SAFETY

This product has been manufactured to the highest standards and when used for the purpose recommended is unlikely to present any significant health hazards. A Material Safety Data Sheet is available.

Indicated data are approximate values and are subject to the usual commercial fluctuations. All information correct at time of going to press to the best of our knowledge. This information may be subject to change without notification due to continual product research and development.