

Technical Data Sheet

SAR Lubricants

Last Updated: 27.04.2016
Product Code: PX0035

PERFALUBE WCS is a water soluble spinning lubricant specially designed for manufacturing wool and wool/nylon carpet yarns on the woollen system. Formulated to be suitable for scour dyeing processes and can also be removed by traditional scouring methods.

APPLICATION

Perfalube WCS is water-soluble and therefore can be applied in solutions with water at any ratio.

On 100% wool and 80/20 wool/nylon blends application levels are normally 2.5-4% owf **Perfalube WCS**, water levels are normally similar to lubricant levels.

On 100% synthetic blends 0.7% - 1.0% owf is applied with 6-8% water.

Scouring

On wool which contain less than 1% wool grease, satisfactory residues will be achieved with water only scours (scour dye). With higher grease levels, a more traditional scour will be necessary to remove the wool grease.

A typical scouring recipe on a four bowl scouring range would be:

	Temperature °C	Detergent
BOWL 1	55	1.0-2.0 g/l
BOWL 2	50	0.5-1.0 g/l
BOWL 3	50	-
BOWL 4	40	-

Only Bowl 1 requires additions as carry over to Bowl 2 will keep concentration level up.

Additions of 750 grams detergent should be added after every 300 kilos of yarn.

A good quality highly active non-ionic detergent such as **Perfascour FBS** should be used.

The scouring recommendations are general. Blend aspects such as wool grease may require variation in detergent levels.

BENEFITS

Carding and Spinning:.....Perfalube WCS is highly antistatic and is therefore very effective at controlling fly and eliminating static build up.

Corrosion inhibition:Perfalube WCS is inherently anti-corrosive and will not damage machinery.

Scouring and Dyeing:Perfalube WCS being totally water soluble is eminently suitable for scour dyeing and can also be removed by traditional scouring methods.

Oxidation:Perfalube WCS does not oxidise and will not yellow the fibre.

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TYPICAL PROPERTIES

Appearance:	Colourless liquid
Specific Gravity:	1.15
Solubility:	Totally water soluble
Viscosity:	1050 mm ² /s
pH (1% aqueous solution):	5 – 7
Activity:	100%

PACKAGING

Perfalube WCS is available in 205 ltr drums and 1000 ltr IBC's.

HANDLING PRECAUTIONS

The usual precautions in handling chemicals should be observed and it is recommended that operatives should wear goggles and gloves when handling the concentrated product. Any contact with skin and eyes should be washed immediately with copious amounts of cold water. Please refer to Material Safety Data Sheet for further information.

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.

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SAR LUBRICANTS (SQUIRE A. RADCLIFFE & SONS LTD)

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