

H.S.T.N: 340391 REF: TS.PDS.36 REV: 2

## LAINASPIN 0383 (WOOLLEN)



### DESCRIPTION

Blended synthetic and water soluble fibre lubricant.

#### **APPLICATIONS**

To assist carding and spinning of wool, lambs' wool and cashmere blends on the woollen system, for production of knitwear and weaving yarns.

#### **APPLICATION DETAILS**

- LAINASPIN 0383 may be applied neat as supplied or more usually as a pre-mixed solution with water. A 50% solution strength is recommended.
- LAINASPIN 0383 is readily mixed with water to form a slightly hazy, stable solution.
- The amount to apply is dependent on the requirements, however LAINASPIN 0383 is suitable for use at lower than normal application levels and an application of 4% product on the weight of the blend is recommended.

#### **PERFORMANCE DATA**

- Provides low fibre / fibre and fibre / metal frictional properties, similar to traditional woollen oils.
- Provides moderate to high fibre cohesion.
- Provides extremely good anti-static properties, assisting control of the fibre through processing and enabling lower than normal application levels to be used.
- Readily soluble in water for ease of application
- Solutions of LAINASPIN 0383 are designed to reduce any tendency for oil migration through a blend.
- LAINASPIN 0383 is expected to have a low Chemical Oxygen Demand (COD) value of approximately 1.5mg O<sup>2</sup>/mg oil. This, combined with the low application level possible, can result in a significant reduction in COD loading of effluent.
- Expected to be Biodegradable according to test method OECD 301A.
- Because it is water soluble in nature, LAINASPIN 0383 is readily removed from fabrics using mild, aqueous scouring systems, using alkaline or neutral scour liquors.

#### NOTES

When introducing a new oil into a machine we recommend cleaning the original oil from the machine and oiler units as thoroughly as possible, to avoid the potential for any incompatibility problems.

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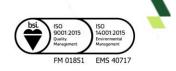
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Accredited to the ISO 9001 Quality Standard and the ISO 14001 Environmental Management Standard





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Textiles

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## **TYPICAL CHARACTERISTICS AND PROPERTIES**

LAINASPIN 0383	UNITS	TYPICAL RESULT
Colour		Very pale yellow oil
Viscosity @ 21°C	cSt	Approx. 106
Viscosity @ 50°C solution	cSt	Approx. 72
Density @ 15°C	kg/l	1.0805
Cloud Point	°C	< 0
Free fatty acid content	%	Approx. 2
Ionic Character		Non-ionic / Anionic
Activity	%	66
Shelf Life		1 year in original container stored out of direct sunlight

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