



Lissolfix APZX 1350

Biodegradable Coning Oil

DESCRIPTION

Anti-splashing, semi-synthetic based coning oil for the lubrication of high speed textured yarns

APPLICATIONS

- Lubrication of high speed textured yarns (up to 1200 m/mn) needing improved interfilament cohesion: fine count polyamide yarns, textured polyester & polyamide microfilament yarns, covered yarns and air-jet textured yarns
- Lubrication of viscose rayon in discontinuous spinning, during last winding after desulfurizing and muff drying
- Specially developed for throwing processes such as texturizing and covering
- Also suitable to be applied on silk

ADVANTAGES

- Very strong cohesive power, minimizing filament breakages
- Decreases yarn/metal and yarn/yarn friction
- Provides high level antistatic protection
- Avoids oil splashes on the machines, on the floor and oil mist in the air
- Improves the regularity of oil pick up on the yarns
- Decreases and stabilises unwinding tensions
- Scourable through conventional washing processes
- Resistant to yellowing during finishing processes (heatsetting or light treatments)
- Limits dripping on yarn-guides
- "Readily biodegradable": reached the Pw1 level (the highest level) under the Norm OECD 301 B
- Environmentally friendly (no ethoxylated alkylphenol (APEO))
- Complies with the OEKO-TEX® standard 100 requirements

RECOMMENDATIONS

De-Oiling

Best conditions for a good removal:

- Temperature included between 30 °C to 80 °C
- pH from 6 to 8
- 1 to 2 g/l of detergent from our Deterfix range

Quantities to be used

- Polyamide: ≈ 2 %
- Polyester (for knitting, weft for weaving, unsized weaving warp): 2,5 - 3 %
- Polyester (warp for sizing): 1 - 1,2 %
- Silk: 2 - 3 %
- Elastane covering: 1,5 - 2 %
- Microfilament yarns: 1,5 - 2 %

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded at ms-sds.totalenergies.com



Lissolfix APZX 1350

Biodegradable Coning Oil

RECOMMENDATIONS

Storage

- Temperature from 5 °C to 40 °C
- For pumping product use exclusively pumps equipped with revolving pistons or vanes (speed: less than 80 RPM) or pumps with membranes (speed: less than 70 strokes per minute)

- Optimal performance is obtained if the product is stored for a period of maximum 24 months in a dry, indoor, frost-free place and in its unopened original packaging

TYPICAL CHARACTERISTICS

Aspect at 20 °C	Clear liquid
Colour Gardner	< 2 °G
Density at 20 °C	0,84
Viscosity at 20 °C	21 – 26 cSt
Flash point	> 130 °C
pH in demineralized water (10 %)	Neutral

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded at ms-sds.totalenergies.com