



# Lissolfix APZX 255

Biodegradable Coning Oil

## DESCRIPTION

Anti-splashing, synthetic based coning oil for the rewinding of continuous raw or dyed yarns

## ADVANTAGES

- 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
- Resistant to yellowing during finishing processes (heatsetting or light treatments)
- Hardly any influence on dye fastness under normal conditions of use
- Harmless on elastane. In case of heat treatment, it is recommended to degrease the parts before the operation
- Offers good filament cohesion, minimizing yarn breakage
- Limits dripping on yarn-guides
- "Readily biodegradable": reached the Pw1 level (the highest level) under the Norm OECD 301 B
- Easily removed through conventional washing processes or dry cleaning processes (totally soluble in chlorine solvents)
- Environmentally friendly (no mineral oil, no ethoxylated alkylphenol (APEO))
- Complies with the OEKO-TEX® standard 100 requirements

## APPLICATIONS

- Rewinding after dyeing, rewinding of conventional covered yarns, air-jet covered yarns, winding of natural silk
- Suitable for continuous polyamide, polyester, polypropylene and viscose
- Specially developed for throwing processes

## RECOMMENDATIONS

### De-Oiling

Best conditions for a good removal:

- Temperature included between 30 °C to 60 °C
- pH from 8 to 9
- 1 to 2 g/l of detergent from our Deterfix range

### Quantities to be used

- Textured polyamide:  $\approx 2 - 2,5 \%$
- Textured polypropylene:  $\approx 2 \%$
- Textured polyester (hosiery, weaving, weft and unsized warp):  $\approx 3 - 5 \%$
- Textured polyester (warp for sizing):  $1 - 1,5 \%$
- Air textured yarns:  $2 - 5 \%$
- Viscose:  $1 - 3 \%$
- Elastane covering:  $\approx 2 \%$

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](http://ms-sds.totalenergies.com)



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## RECOMMENDATIONS

### Storage

- Temperature from 5 °C to 40 °C
- It is stable and can withstand frost. It becomes cloudy below 0°C without pouring off and becomes clear once again around +5 °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

### Approval

- Tested by INVISTA™ laboratory and judged compatible before heat-setting on yarns containing Lycra®. INVISTA™ recommend the use of this product on Lycra®. Lycra® being the trademark registered by INVISTA™ for elastane yarns

## TYPICAL CHARACTERISTICS

Aspect at 20 °C	Clear liquid
Visual colour	Yellow
Density at 20 °C	0,88
Viscosity at 20 °C	28 – 33 cSt
Flash point	> 130 °C
Contents in water	> 1 %
pH in demineralized water (10 %)	Neutral

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