

## TECHNICAL DATA SHEET

### DETERGENT ECO

#### WOOL AND PROTEIN FIBER DETERGENT

#### FEATURES

Chemical constitution	Mixture of ethoxylated alcohols
Physical state	Liquid
Colour	Colorless
Ionic character	Non ionic
pH ± 1 (as is)	7
Solubility	Miscible
Hard water compatibility	Good
Acids compatibility	Good
Alkalies compatibility	Good
Electrolytes compatibility	Good
Storage stability	12 months in original closed packaging, at a temperature between +5°C and +35°C

#### PROPERTIES

Suitable for use in the following fields:

Oxidizing and reducing bleaching processes on protein fibers

Purging and desizing of wool, noble protein fibers and their blends

Washing of oil and grease stains originating from weaving, knitting and spinning oils.

The addition of water to the product causes the formation of jelling, for this reason DETERGENT ECO is not suitable for use in single-tube dosing systems with a water cap; in this case we suggest using DETERGENT ECO/D

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### APPLICATIONS

#### Information Solubility

Minimum ratio 1:1 Water contents less than 50% cause gel formation

#### Long bath report

DETERGENT ECO	0.2-1	g/L
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#### Short Bath Report

DETERGENT ECO	1-2	g/L
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#### Stain removal

DETERGENT ECO	5-50	g/L
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Temperature: 40-60°C

Time: 15-45 minutes

Then wash hot and cold

\*dosages vary depending on the type and degree of dirt.

#### Removing stubborn spinning oils

DETERGENT ECO	2-3	g/L
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ASTROQUEST NI	1-2	g/L
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sodium carbonate	1-2	g/L
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Temperature: 30-40°C

Time: 20-30 minutes

#### Removal of large, penetrated oil stains

DETERGENT ECO	30-50*	g/L
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Then store the material

Storage time: all night (8 – 10 hours)

After storage wash without intermediate washing

ASTROQUEST NI	1-2	g/L
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Temperature: 30 - 80°C depending on the type of fibre

Time: 45-60°C

\* For cotton and its blends it is recommended to add to



LIBERTY CHEMICALS

soft chemicals

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the bath

Caustic soda 38Bé

3-5

ml/L

Temperature 98°C

### CERTIFICATIONS

The product meets the following certification:

- GOTS 7.0
- ECOPASSPORT level 3
- ZDHC level 3

### PACKAGING

- 1000 Kg IBC
- 120 Kg Plastic drum

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All data contained in this technical paper are the result of laboratory research backed up by industrial trials. The data should therefore be considered valid in providing help and guidance for batter use; of the product but do not guarantee against factors which may escape notice operation and thus have an adverse effect on the results.