

# ASUGAL RSL

## TECHNICAL DATA SHEET

### DESCRIPTION

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ASUGAL RSL is a levelling and solubilizing agent for reactive dyeing on cellulosic fibre with reactive, direct, vat and sulphur dyes.

### STANDARDS

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- bluesign® approved.
- GOTS v6.0
- Screen Chemistry by Scivera
- ZDHC Gateway Level 3
- According to GREEN TO WEAR 2.0 SUPPORTING DOCUMENTS by INDITEX Group this product does not need chemical testing because it meets the requirements of Option 2 – ZDHC Gateway Chemical Module.

### SCOPE OF APPLICATION

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- Reactive and direct dyeing
- Control of dyestuff adsorption in exhaustion processes
- Correction of faulty dyeing. ASUGAL RSL facilitates dyestuff migration
- Suitable to be used in high turbulence machinery

### PROPERTIES

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- ASUGAL RSL does not sequester metal cations included in metal containing chromophores
- ASUGAL RSL dissolves and disperses impurities extracted from cotton fibres in the bath. Also, ASUGAL RSL sequesters alkaline-earth-metals contained in water and electrolytes
- ASUGAL RSL ensures a good solubility of reactive dyestuff in the bath, it allows to add dyestuff in "ALL IN" dyeing process even when all electrolyte has been added into the bath.
- ASUGAL RSL improves final appearance of dyeing and printing, especially when dyeing difficult shades (blue, turquoise, green, orange, etc.)
- ASUGAL RSL does not have retaining and does not block fiber, either
- ASUGAL RSL increases dyeing reproducibility and simplifies the dyeing process
- ASUGAL RSL is a non-foaming product, it can be used in high turbulence machinery

The indications given herein correspond to practical experiences. Owing to the differences in local conditions they cannot claim to be complete, so that any liabilities –also with a view to claims of third parties – are excluded.

## CHARACTERISTICS

<b>Appearance</b>	Liquid
<b>Colour</b>	Brown
<b>Ionic character</b>	Anionic
<b>Composition</b>	Alkyl and alkyl-aryl phosphonates and sulphonated derivative
<b>pH at 10%</b>	9,5 ± 1,0
<b>Solubility</b>	In water at any ratio

## APPLICATION

### Reactive dyeing:

ASUGAL RSL, sequesters calcium and magnesium ions in the dye bath, avoiding them to precipitate as their carbonates or hydroxides.

ASUGAL RSL avoids agglomeration of dye particles that often appear at the beginning of dyeing process, especially at low temperatures and in presence of high amounts of electrolyte.

ASUGAL RSL, allows a slower and more progressive pH increasing during normal addition of alkali, so that, it means a more uniform fixation of the dye, improving the levelness of the dyeing.

### Recommended dosage:

Add into dyeing bath\*, before adding dyestuff:

1-3 g/L ASUGAL RSL

\* The dyeing bath contains electrolyte (salt) and other auxiliary products that will be used in the process.

In case of difficult dyeing it is advisable to add into dyeing bath 2 g/L (or more) of ASUGAL RSL, for example:

- Dyeing on different types of cotton
- Mercerised fabrics
- Very short liquor ratio
- When ASUDOR TR cannot be used as alkali and/or it is suspected that anomalies in dosage can occur.



ASUGAL RSL meets the bluesign® criteria

- Complies with the strict ecological and toxicological requirements of the bluesign® criteria
- Properly applied it allows a production with a minimum impact on people and the environment
- Basis for bluesign® approved textiles and accessories

For more information visit [www.bluesign.com](http://www.bluesign.com)

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