

## TUBINGAL® RISE

<b>Character</b>	Hydrophilic textile softener made of recycled silicone
<b>Chemical Structure</b>	Functional polysiloxanes, micro-emulsified
<b>Appearance</b>	Transparent, colourless liquid
<b>Ionic Character</b>	Non-ionic
<b>pH Value of a 10 % Solution</b>	3.8 – 6.3
<b>Specific Weight at 20 °C</b>	1.0
<b>Stabilities</b>	<p>TUBINGAL® RISE is stable to hard water and acids in the normal industrial concentrations.</p> <p>Residual alkali quantities as well as pH-value fluctuations of the plant water impair the liquor stability.</p> <p>We recommend carrying out compatibility trials before mixing various products.</p> <p>The product is highly sensitive to frost; temperatures around the freezing point cause irreversible changes.</p> <p>TUBINGAL® RISE is sensitive to temperatures above 50 °C.</p>
<b>Storability</b>	TUBINGAL® RISE will hold for at least 12 months if stored properly in closed original containers.

The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

### Properties

TUBINGAL® RISE is a textile softener with the following properties:

- soft core, naturally flowing touch through best penetration of the active substances
- excellent resistance to yellowing, therefore also very good for ultrawhite articles
- very good rewettability of finished articles

®= registered trade mark

- improvement of the sewability
- improvement of the technological characteristics in easy care finishing
- improvement of the elastic recovery of knits
- universally applicable for padding

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## Application Technique

### Diluting Instructions

TUBINGAL® RISE can be diluted with cold water to any ratio; when dealing with alkaline plant water (permutit water) we recommend adjusting the pH value to 5.0 – 5.5 before adding the product.

### Application Fields

TUBINGAL® RISE is excellently suited for finishing wovens and knits made of cellulose fibres, wool and synthetic fibres as well as their blends. The product is particularly suited for materials made of recycled fibres.

### Recipe Proposals

The application amounts depend on the existing material and the desired effects.

#### Padding proces:

10 – 40 g/l TUBINGAL® RISE

pH approx. 5.0

Liquor pick-up: 70 – 80 %

Drying: as usual

#### Shirt fabric, easy care material (100 % CO)

50.0 – 70.0 g/l REAKNITT TW

10.0 – 20.0 g/l POLYAVIN PEN A

20.0 – 40.0 g/l TUBINGAL® RISE

1.0 – 2.0 g/l KOLLASOL HV

pH approx. 5.0

Liquor pick-up: approx. 80 %

Drying: as usual

Condensation: 3 min at 150 °C or

1 min at 170 °C

Knitwear with dimensional stability (100 % CO):

30.0 – 50.0 g/l REAKNITT TW  
15.0 – 30.0 g/l POLYAVIN PEN A  
20.0 – 40.0 g/l TUBINGAL® RISE  
1.0 – 2.0 g/l KOLLASOL HV

pH approx. 5.0

Liquor pick-up: approx. 80 %

Drying: as usual

Condensation: 30 - 40 sec at 170 °C

**We reserve the right to modify the product and technical leaflet.**

**Our department for applied technique is always at your service for further information and advice.**

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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