

---

## BEIZYM N COLD T

<b>Characterization</b>	Cold active neutral cellulase for producing stone-wash looks on denim articles
<b>Chemical Structure</b>	Modified neutral cellulase with pH buffer and dispersing agents
<b>Supplied Form</b>	White - beige powder
<b>Ionic Character</b>	Non-inionic
<b>pH Value of a 10 % Solution</b>	2.5 – 3.5
<b>Apparent Density</b>	1.3
<b>Stability</b>	<p>Alkalis and strong acids impair the efficiency of BEIZYM N COLD T. Wetting and washing agents, especially those with anionic character, may impair the enzymatic effect.</p> <p>The product is not sensitive to frost.</p>
<b>Storage</b>	<p>If stored at a temperature of 20 - 30 °C in closed containers, BEIZYM N COLD T will keep its complete enzymatic activity for at least six months.</p> <p>A prolonged storage at temperatures above 30 °C is to be avoided.</p>

---

## Properties

### Function

BEIZYM N COLD T is a neutral enzyme which was especially developed for washing blue denim articles at a very low temperature (already as of 25 – 35 °C). With BEIZYM N COLD T it is possible to achieve in the washing treatment of jeans articles a fabric appearance which corresponds with a stone-wash or superstone-wash look without or with a reduced amount of pumice stones.

Working at 25 – 35 °C not only saves energy but reduces additionally backstaining and a loss in tear strength.

BEIZYM N COLD T is most efficient between pH 5.0 – 8.0. Due to the buffer share a separate pH adjustment is generally not necessary. However, especially when working with mercerized articles we recommend controlling the pH value and adjusting it if need be.

## Application Technique

### Diluting Instruction

BEIZYM N COLD T is directly put in the drum washing machine. The treatment temperature should not exceed 50°C.

## Recommendation for Use

The application amounts of BEIZYM N COLD T depend on the desired brightening effect or the desired stone-wash look.

The following recipes serve as guidelines after desizing blue denim articles:

### Enzymatic washing:

0.5 – 2.0 %      BEIZYM N COLD T  
0.5 – 1.0 g/l     DENIMCOL DIS 180

Machine:          drum washing/dyeing machine  
Temperature:      25 – 45 °C  
pH value:          5.0 – 8.0  
Liquor ratio:      1 : 4 – 1 : 8  
Treatment time:   10 - 90 min  
Then rinse warm and cold

or

### Enzymatic stone-wash/combination with pumice stones

0.5 – 2.0 %      BEIZYM N COLD T  
0.5 – 1.0 g/l     DENIMCOL DIS 180

Machine:          drum washing/dyeing machine  
Temperature:      25 – 45 °C  
pH value:          5.0 – 8.0  
Liquor ratio:      1 : 4 – 1 : 8  
Treatment time:   10 - 60 min  
Then rinse warm and cold  
Separate fabric and stones

### Enzymatic stop

For stopping the activity of possible enzyme residues on the fabric we recommend the immediate complete drying at temperatures > 85 °C.

If the fabric is to be stored wet or moist for a prolonged time, an enzymatic stop ought to be carried out by means of the following:

- Increase in pH value in the treatment bath to 9.0 – 10.0
- Increase in temperature of the treatment bath to 80 – 85 °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.

**Edition:** November 2022.

CHT GERMANY GMBH, P.O. Box 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany

Telephone: 07071/154-0, Fax: 07071/154-290, Email: [info@cht.com](mailto:info@cht.com), homepage: [www.cht.com](http://www.cht.com)

CHT TURKEY KİMYA SAN. VE TİC.A.Ş., Akçaburgaz Mah. 3118. Sok. No:2 Esenyurt/İstanbul, Tel: +90 212 886 79 13, Fax:+90 212 886 93 47,

Email: [info.turkey@cht.com](mailto:info.turkey@cht.com)