

## CHT CATALASE DR

<b>Character</b>	Enzymatic auxiliary for the destruction of remaining peroxide after bleaching
<b>Chemical Structure</b>	Catalase
<b>Appearance</b>	Brown liquid
<b>Ionic Character</b>	-
<b>pH Value</b>	6.0 - 8.0
<b>Specific Weight at 20 °C</b>	~ 1.1
<b>Stabilities</b>	Alkalis and acids impair the efficiency of CHT CATALASE DR  The product is not sensitive against frost.
<b>Storability</b>	The product maintains its entire enzymatic activity for at least 6 months if stored at temperatures up to 30 °C. Avoid longer storage times at temperatures above 30 °C.

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### Properties

Due to reactive dyestuffs often being very sensitive to peroxide, it is necessary to destroy the remaining peroxide of the prebleaching process through several cold and warm rinsing baths or through addition of suitable peroxide killers.

CHT CATALASE DR allows for the catalytic remaining peroxide after bleaching to be converted to inactive oxygen and water

The following advantages are achieved through the application of CHT CATALASE DR:

- low water consumption,
- time saving,
- no ecological waste water pollution

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### Application Technique

#### Diluting instruction

CHT CATALASE DR is miscible with cold water in all proportions.

## Application proposal

CHT CATALASE DR is an enzyme for decomposing H<sub>2</sub>O<sub>2</sub> in oxygen and water. Just like all enzymes which are used for textile procedures, the catalase requires basic conditions for optimum efficiency.

Effective pH range:       pH 4.0 - 9.0

Treatment temperature:   20 - 60 °C

This results in the following procedure sequence:

1. H<sub>2</sub>O<sub>2</sub> Bleach
2. Overflow rinsing
3. Fresh bath
4. 0.4 - 0.8 g/l CHT CATALASE DR
5. 10 – 15 min at 20 – 60 °C
6. Remaining peroxide control, e.g. with Merck test stripes
7. Dyeing in the same bath

**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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