

A large, abstract green watercolor splash graphic that occupies the right side of the page, with various shades of green and blue.

**BIOPER APC CONC**  
**Antiperoxide**

# TECHNICAL DATA SHEET

# **BIOPER APC CONC** **Antiperoxide Type High Activity Enzyme**

Liquid catalase enzyme obtained from non-pathogenic organisms with high activity and wide pH working range.

## **Product Features**

Physical form                      Dark Brown, Liquid

pH Information                    5.0-7.0

- It removes the hydrogen peroxide remaining in the bath by converting it to water and hydrogen.
- BIOPER APC CONC, which is effective only against hydrogen peroxide, prevents color differences that may occur due to peroxide and reducing agents.
- Significantly reduces preparation time for painting. It saves time, water and energy.
- It is completely biodegradable.
- It can be mixed with water in any proportion.
- It both removes peroxide and at least one bath saves water.
- It is a completely biodegradable product.
- It eliminates the use of substances harmful to human and environmental health.
- The enzyme and its decomposition products have no effect on dyeing and staining.

## **Application Information**

pH : 4.0 – 10.0 (optimum 6.5)

Temperature : 30 - 60 °C (optimum 50)

Time : 10 - 20 minutes

Dosage: 0.10-0.30%

1. The bleaching bath is emptied.

2. Washing bath is taken. It is worked at 80°C for 10 minutes and the bath is emptied.

3. Take enough water to be used in dyeing.

4. The pH and temperature of the water are controlled. If the temperature is below 60 degrees and the pH is between 3-10, enzyme is added and the goods are circulated.

5. After 10 minutes, check the remaining peroxide with peroxide paper.

If there is still peroxide, the circulation is continued for another 5-10 minutes.

When it is determined that the peroxide has disappeared, the dyeing process can be continued in the same bath without draining the water.

**STORAGE :** BIOPER APC CONC should be kept closed between +5°C and +25°C. It should not be exposed to direct sunlight.

The storage period is 3 months in its original closed container and at the specified temperatures.

**PACKAGING :** 60 and 120 kg drum, 1000 kg IBC