



COLORIQ
The Chemistry Behinds...

COLORZYME BIO-DS (CONC)

Concentrated enzymatic peroxide killer

Product Information

COLORZYME BIO-DS conc. is a catalase enzyme derived from the submerged fermentation of a genetically modified strain of *Aspergillus niger*. It has been proven to be highly effective in catalyzing the decomposition of hydrogen peroxide into oxygen and water. In textile wet-processing, this is often the most preferable method of hydrogen peroxide removal after bleaching step as the enzyme and the breakdown products are totally inert to reactive dyestuffs. It is an ideal product for bleach clean up. Reactive dyes are sensitive to the presence of both oxidizing and reducing chemicals. Reducing chemicals are used in the traditional method of removing hydrogen peroxide after the bleaching process.

FEATURES

- Eliminates residual peroxide while reducing water consumption.
- Increases dyeing productivity.
- Works well at any residual peroxide level.
- Enzyme and break down products have no effect on dyes.
- No influence on shade.
- Completely biodegradable.

PROPERTIES

Appearance -----→ Colourless liquid.

pH -----→ approx.7.0

Stability to hard water-----→ Good

Stability to acid/alkali -----→ Good

Stability to temperature -----→ Good

DOSAGE & APPLICATIONS

0.5 % coloracid AS liquid/Acetic acid

0.4% colorwet HPLF liquid

0.3% colorzyme BIO- DS conc

Treat for 15-20 mins at 55°C

CAUTION

- In case of skin contact, wash with plenty of water.
- In case of eye contact, wash with plenty of water and seek medical advice.

PACKING MATERIAL

50KG BAG PACKING.

The storage guidelines for the product

1.Storage Conditions:

- Store the product in its original container.
- Keep it in a dry, dust-free location at temperatures below 50°C.

2.Ventilation and Compatibility:

- Ensure the storage area is well-ventilated.
- Keep the product away from incompatible materials (as specified in the Material Safety Data Sheet) and food items.

3.Container Handling:

- Seal the container tightly after each use.
- Avoid pouring unused material back into the container.

4.Shelf Life:

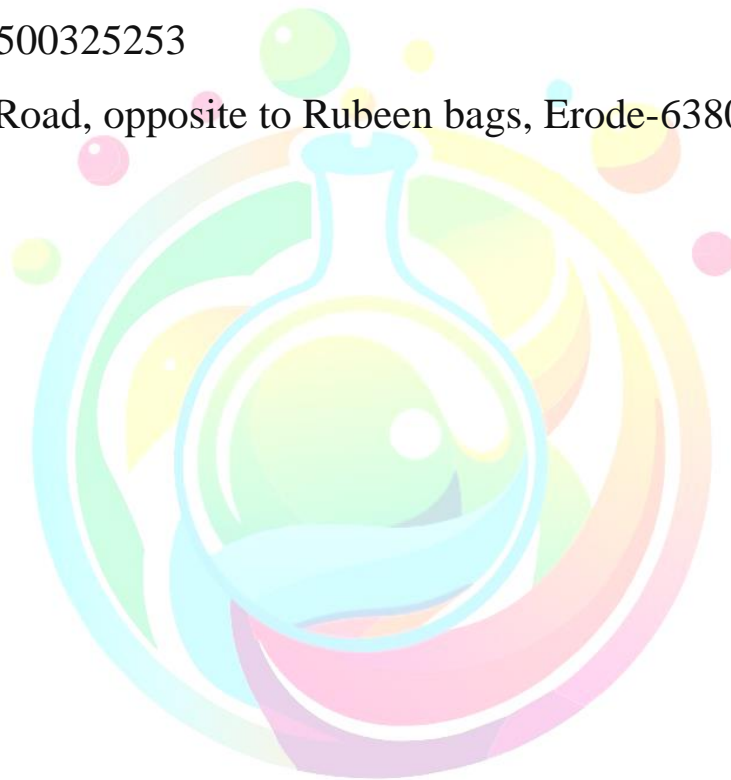
- The product remains usable for at least 24 months from the date of manufacture.

WORK

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