



CHEMATEX DYES & CHEMICALS

CHEMINOX 150L

Enzymatic type of peroxide killer.

CHEMINOX 150L is used for peroxide bleaching before dyeing process, in order to remove the residual hydrogen peroxide. It is a specific enzymatic type of peroxide killer. It is effective to remove the residual hydrogen peroxide even at low temperature. Hence it can provide to energy saving, shorten processing time, reduce water consumption and increase the production volume.

Physical Properties :

Constitution	:	Special type of enzyme mixtures.
Appearance	:	Brown color liquid.
pH	:	5-7
Solubility	:	Soluble in any ratio of water.
Storage	:	The reactivity can be kept at least 3 months if storage condition can be kept under 25°C. Any insufficient storage will cause the dosage increasing under same the working condition.

Application Characteristic :

Because of the sensitivity of dyestuffs (especially for reactive dyes) for oxidizing agent, we must remove residual hydrogen peroxide during bleaching before dyeing process is started. Hence **CHEMINOX 150L** can provide the following benefits;

1. Reduce water consumption : Using **CHEMINOX 150L**, we need only one rinse or even no rinse after peroxide bleaching.
2. Reduce processing time : **CHEMINOX 150L** can effectively remove the residual hydrogen peroxide in 10 – 20 minutes. It will shorten the processing time for any hot rinse and cold rinse used before.
3. Reduce energy consumption : **CHEMINOX 150L** is effective at low temperature, therefore it reduced energy consumption at all.
4. Safety dyeing condition : **CHEMINOX 150L** can effectively remove the residual hydrogen peroxide, in order to provide a suitable condition for further dyeing process.
5. Environmental friendly process : Not similar to the inorganic type of peroxide killer, **CHEMINOX 150L** is biodegradable.

Application :

0.04 - 0.1 g/l **CHEMINOX 150L** is enough for general bleaching condition.

The following recommendation is suitable for batch-wise type bleaching system; e.g. Package, Jet, Winch and Jigger dyeing ...etc.

1. Drain the liquor after bleaching process.
2. One cold rinse.
3. Adjust the pH at 6-8, and control temperature below 50°C.
4. Add 0.04-0.1 g/l **CHEMINOX 150L** into the bath. Excess usage of **CHEMINOX 150L** should cause any dyeing problems.
5. Run 10-20 minutes, check the residual hydrogen peroxide by Merck Peroxide Testing paper trips.
6. Start the dyeing process.

... End ...

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