



TECHNICAL INFORMATION

SEGAZYM SAP

In acidic and basic surroundings to remove hydrogen peroxide from the environment at warm temperature, bio catalase is composed of selected catalase enzymes.

- Due to its unique properties, it separates as enzymatically to water and oxygen molecules residual hydrogen peroxide.
- It does not require the use of sulfur or nitrogen-based reducing agent.
- During processing, fibers and paints aren't negative affected.
- Critical tone does not change during the removal of the negative effect of making hydrogen peroxide in sensitive dye and leveling properties are better. Thus, providing more reliability during dyeing and printing.
- Segazym SAP 's fast kinetic motion reduces significantly bleaching and dyeing treatment time.
- It has pH 4-10 and to 70 ° C temperature operating range.
- Segazym SAP Liq. enables the use of conventional reducing agents after bleaching and remaining in the fiber collapses completely eliminate hydrogen peroxide

PROPERTIES

Chemical Structure	Catalase enzyme
Appearance	Yellowish -greenish liquid
pH	5.0 -8.0
Density	~0.96 g/cm ³
Solubility	Can be diluted with cold water at any rate
Compliance	Wetting agents/ detergents → good Ion Holder/Stabilizer → good, if the pH level does not change in the application area Reducing agents damages to enzymatic processing

APPLICATION

- The basic principle of this application is very simple. After any intermittent or continues hydrogen peroxide bleaching, making the remaining hot and cold washing process hydrogen peroxide is removed from the environment.
- Segazym SAP can be applied in cold environments with up to 70 ° C.
- Segazym SAP has a short response time and a wide pH area (4-10). Subsequently the remaining enzyme does not require rinsing because the fabric or paint it removed without damage.

Exhaust Process

% 0.1 - 1 Segazym SAP (standard amount %0.4)

Machines: jigger machine, jet, overflow, winch and other machines that materials are moving on

Continue Process

0.1 - 5 ml/L Segazym SAP

Machines: pad steam, pad roll and dipping unit



PRECAUTIONS

Safe Use and Handling: Good hygienic and industrial practices should be followed and, when employed as recommended, Segazym SAP. will not present any hazard. However, prolonged skin contact with the neat product should be avoided and any splashes on the skin should be washed off with water.

Storage: It can be stored for 6 months under 25 °C. Enzyme activity may decrease under high temperature.

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