



Product Literature

Kem Peroxidase

DESCRIPTION:

Kem Peroxidase is a formulated enzymatic product of catalase. It is used for bleach clean-up by degrading the residual peroxide left after bleaching into water and nascent oxygen.

CHARACTERISTICS:

Appearance	Liquid
Colour	Amber
Odour	Slight fermentation odour
pH	6.7
Activity temperature	10-50 ⁰ C
Solubility	Soluble in water
Specific Gravity	1.05-1.1
Enzyme Activity	>=1,00,000 u/ml

COMPATIBILITY:

Chemical Auxiliaries: Compatibility testing is recommended prior to all formulations and applications. Contact with ferric ions should be avoided

PRODUCT ADVANTAGES:

- Efficiently catalyze the transformation of residual hydrogen peroxide into water and nascent oxygen.
- Eco-friendly and biodegradable

PROCESSING CONDITIONS:

Parameters	Conditions
Optimum Temperature	50-55°C
Optimum pH	6.7
Dosage	0.5 — 1%
Duration	30-60mins
Bath ratio	1:5-1:20

INACTIVATION:

The enzyme can be inactivated by raising the temperature above 85°C for 10 mins, or by raising the pH above 8 for 10 mins.

TECHNICAL SERVICES:

Chembond Chemicals Ltd. Provides complete technical assistance for conducting on site trials and demonstration to the customers.

PACKAGING: 25kg drums

SHELF LIFE:

8 months, subjected to storage conditions. Recommended storage temperature is 25°C or below. Prolonged storage at temperatures above 30°C should be avoided.

SAFETY:

Enzyme preparation belongs to protein, which may induce sensitization and cause allergic type reaction in sensitized individuals. Prolonged contact may cause minor irritation for skin, eyes or mucous membrane of nose, so any direct contiguity with human body should be avoided. If irritation or allergic response for skin or eyes develops, consult a doctor



Chembond Center

Tel: 022 66143106/

EL—71, MIDC Mahape

Fax: + 22 2768 1294

Navi Mumbai—400710

info@chembondindia.com