



A U M E N Z Y M E S

## PAPERZYME SC LIPASE

*Aum Enzymes*  
India's #1 Speciality Enzyme Products

### BENEFIT

- Reduces process time
- Provides efficient **sticky/pitch control of Recycle writing /printing paper**
- Increases **whiteness paper**
- Efficient and specific in action
- Enhances efficiency of subsequent processes
- Eco-friendly and bio-degradable

### DESCRIPTION

Paperzyme SC is a paper industry lipase enzyme to be used in **sticky/pitch control of Recycle writing /printing paper**. Paperzyme SC is bacterial lipase enzyme preparation produced by a selected strain of *Bacillus Species*.

Paperzyme SC contain lipase enzyme has broad substrate specificity promoting the hydrolysis of a wide range of various fats and oils and producing free fatty acids and glycerol which are easily dispersed or dissolve in the washing liquor. Paperzyme SC also contains some amount of protease, amylase & cellulase as side enzymes.

Paperzyme SC is a ready-to-use formulation of enzymes and other ingredients for high-performance enzyme preparation for paper industry.

### PRODUCT SPECIFICATION TYPE

Product type	White to off white powder
Parameters	
Temperature operational Range	25°C-75°C
pH operational Range	6.0-9.0
Enzyme Types	Lipase
Enzyme activity	Trade secret
Sources of enzymes	<i>Bacillus subtilis</i>

### PAPERZYME SC [APPLICATION & DOSAGE]

Many factors that influence with Paperzyme SC, like pH and temperature of the process, process time, dosage, etc.

<b>APPLICATION &amp; DOSAGE</b>	<b>Add 150 gram enzyme product per 1500 kilogram of recycle paper of printing/writing loaded in Hydropulper</b>

### PACKAGING:

Enzymes products are available in 25 Kilogram HDPE drum for powder products and kilogram jerry can for liquid products. Special packaging is also available on request.

### SAFETY

The product is produced under hygienic condition and is subject to stringent quality control.

**Toxicology**

The product produced by GRAS microorganism and is classified as non toxic.

**Biodegradability**

Product is Biodegradable.

**Handling precaution**

Enzymes are proteins and inhalation of dust or aerosols may induce sensitization and may cause allergic reactions in sensitized individuals. Some enzymes may irritate the skin, eyes and mucous membranes upon prolonged contact.

Liquid enzyme products may create inhalable aerosols if splashed or vigorously stirred. Spilled product material should therefore be flushed away with water.

**STORAGE:**

Enzyme products should be stored in a cool dry place. When stored below 35°C products will maintain its declared activity for at least 24 months. The enzyme preparation should not be left in direct sunlight for extended periods. Liquid preparation should not be frozen.

**REGULATORY INFORMATION:**

EEC Classification

In concentration form, the liquid enzymes products are classified as "sensitizers by inhalation" under the terms of EEC directive 88/379.

**TECHNICAL SERVICE:**

Aum Enzymes technical service laboratory shall be pleased to provide more information covering specific applications for all products or discuss any practical problem which may occur in the industry.

Technical datasheet given with each product are only given as usage guidelines, but tests should be carried out under local conditions to fix the optimum dosage for the machine type and conditions.

**MFG: AUM ENZYMES**

Nr. Jalaram Mandir, BORSAD-388 540.

Dist. Anand. (Gujarat)India.

Mobile: +91-9898383455

E-mail: [info@aumenzymes.com](mailto:info@aumenzymes.com), [aumenzymes@gmail.com](mailto:aumenzymes@gmail.com).

Website: [www.aumenzymes.com](http://www.aumenzymes.com)