



BIO-ORGANIC CATALYST
THE POWER IN NATURE®

FIBER-CAT®

Bio-Catalytic Treatment
Water & Production Equipment



Fiber-Cat® is a bio-catalytic water treatment agent that transforms the traditional chemistry model in the manufacture of paper-based products.

Fiber-Cat® offers advanced bio-catalytic process improvements:

- Increases production speed.
- Improves production quality.
- Lowers production costs.
- Lowers energy consumption.

Fiber-Cat® dissolves slime growth, reduces biocide requirements, and lowers maintenance issues.

Fiber-Cat® will improve total water quality and bring benefits to downstream water treatment.

The benefits of Fiber-Cat® include:

- Reduces the growth of biological films (slime).
- Reduces the formation of organic compounds (stickies).
- Reduces maintenance costs.
- Improves fiber strength.
- Improves paper quality.
- Improves de-inking of fiber.

Fiber-Cat® creates more aerobic biological conditions within the process water.

Fiber-Cat® improves safety for personnel.



SEAL OF SAFETY™

The Bio-Organic Seal of Safety™ is our trademark declaration of our commitment to offering green biocatalytic solutions that shift the treatment of our water resources to a more sustainable ecological model.

DIRECTIONS FOR USE

Fiber-Cat® is dosed at 70 – 150 ml per ton of fiber, depending on the manufacturing requirements of the pulp product and the operator objectives.

Fiber-Cat® can be introduced into the pulping phase to replace enzymes and into the whitewater to reduce biocide usage.

PRODUCT SPECIFICATIONS

Fiber-Cat® is non-toxic, non-caustic, and safe to handle, with a recommended shelf life of two years. May be stored with confidence at temperatures below 122°F/50°C.

CONTENTS

Water, highly purified yeast extracts, non-ionic surfactants.

CAUTION

Keep out of the reach of children. If product from this container splashes in eyes, rinse well with water.

Information on Basic Physical and Chemical Properties

Appearance	Liquid
Physical State	Colorless - pale amber
Color	Mild
Odor	Full Strength Concentrate 3.9 – 4.3
pH	At recommended use dilutions, pH ranges 6.3 to 6.9
Freezing Point	See Pour Point
Boiling Point (760 mmHg)	> 100 °C at 760 mmHg Calculated
Flash Point	ASTM D 93 Closed Cup >93oC
Density (water = 1)	1.002 @ 20°C / 20°C
Water Solubility	100% in water
Kinematic Viscosity	@ 40oC 2.3373 cst
Pour Point	2.22°C or (+28°F)

Environmental fate: Persistence and Degradability:

The material is readily biodegradable. Passes OECD test(s) for ready biodegradability.

FIBER-CAT®

MANUFACTURED IN THE USA UNDER
DOMESTIC AND INTERNATIONAL PATENTS

bio-organic.com