



**BIO-ORGANIC CATALYST**  
THE POWER IN NATURE®

**FIBER-CAT™**  
FIBER-CATALYST™

**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 commitment to offering the highest bio-aquatic safety on the market today.*

### 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 bio-organic catalysts from plant and mineral sources, 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

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