



BIO-ORGANIC CATALYST
THE POWER IN NATURE®

ECO-CAT™
ECO-CATALYST™

BIO-CATALYTIC TREATMENT SOLID & LIQUID WASTES



Eco-Cat™ is a bio-catalyst that provides a highly effective solution to treat fats, oils, and greases (FOGs) and hazardous odors (VOCs) within wastewater treatment and collection systems, sludge and residuals handling and dewatering.

Eco-Cat™ solubilizes fats, oils and greases (FOGs) through the breaking of ester molecular bonds, making these waste components more available to a system's microorganisms as a carbon food source.

Eco-Cat™ increases oxygen transfer and dissolved oxygen (DO) levels in the water column and improves the ability of the wastewater treatment system to reduce organic loadings.

- Eliminates hazardous gases (VOCs) and noxious odors.
- Rapidly solubilizes fats, oils, and greases (FOGs).
- Increases dissolved oxygen (DO) in sewer lines and lagoons.
- Provides superior breakdown of insoluble wastes.
- Completely safe to personnel.

Eco-Cat™ provides an immediate elimination of the strongest odors, including hydrogen sulfide (H₂S) and, most importantly, will shift the biological conditions that produce odors.

DIRECTIONS FOR USE

Metered Pumps: High-flow collection systems, injected, or sprayed at rates of 2 – 5 ppm of **Eco-Cat™**, and up to 10 ppm of **Eco-Cat™** in low-flow conditions. Consultation with technical specialist recommended to optimize installations.

Power Washers/Hoses: 1 oz. of **Eco-Cat™** to 1 gallon (3.78 liters) of water. 1 oz. of **Eco-Cat™** to 1 quart (1 liter) of water.

PRODUCT SPECIFICATIONS

Eco-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

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.



SEAL OF SAFETY

The Bio-Organic Seal of Safety is our commitment to offering the highest bio-aquatic safety on the market today.

ECO-CAT™

MANUFACTURED IN THE USA UNDER
DOMESTIC AND INTERNATIONAL PATENTS

bio-organic.com