



**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 (H<sub>2</sub>S) and, most importantly, will shift the biological conditions that produce odors.

#### Official UK and European Distributor

Alps Ecoscience UK Ltd  
The Metro Centre, 5 Toutley Rd, Wokingham, RG41 1QN  
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#### 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

**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 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

<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.

#### ECO-CAT™

MANUFACTURED IN THE USA UNDER  
DOMESTIC AND INTERNATIONAL PATENTS

[bio-organic.com](http://bio-organic.com)