



## **ECOFLUSH COLD Technical Sheet**

ECOFLUSH COLD is a balanced formula of selected bacteria strains that combine their diverse synergistic activities to treat food industry wastewater that is high in organic matter, municipal sewage, and septic tanks under cold water conditions.

ECOFLUSH COLD improves the water treatment system effectiveness by controlling operational fluctuations due to peaks of accumulation, as well as mass reductions due to increases in hydraulic charge.

### **ECOFLUSH COLD Special Advantages**

ECOFLUSH COLD reduces the Biological Oxygen Demand (BOD), the Chemical Oxygen Demand (COD) and mud accumulation.

Other benefits include:

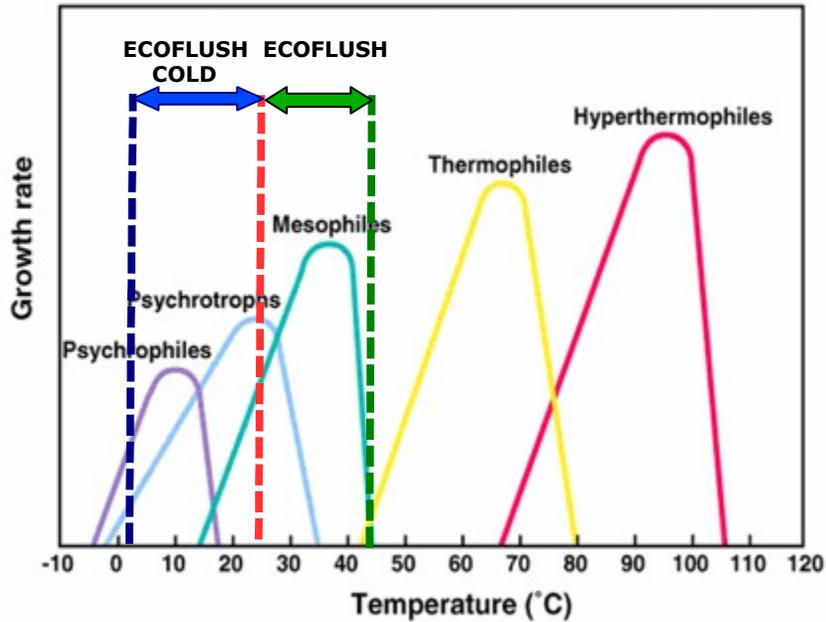
- Reduces the proportion of filamentous organisms while favoring the propagation of unicellular organisms.
- Increases protozoa diversity and density.
- Enhances flocculation of activated muds.
- Controls bad odors by reducing hydrogen sulfide levels through competitive inhibition of sulfate-reducing microbes.
- Speeds up the activation of new systems and increase stability of plant operations with fluctuating influent loading.

### **Requirements for ECOFLUSH COLD Performance**

The formulation of ECOFLUSH COLD contains strains of microbes that are psychrophiles with an activity temperature range between 2 and 18°C (35 and 64°F), with optimum near 10 to 15°C (50 to 59°F), as well as psychrotroph strains able to grow at temperatures between 2 and 30°C (35 and 86°F), with an optimum between 15 to 25°C (59 to 77°F).

We have two formulations for use under different water temperatures. We recommend ECOFLUSH COLD for temperature ranges between 2 and 25°C (35 and 77°F), and ECOFLUSH for temperature ranges between 25 and 42°C (59 to 108°F).

## Temperature ranges of treated water used to select treatment product.



## ECOFLUSH COLD Application Method

ECOFLUSH COLD are dry powder formulations with 5 billion ( $5 \times 10^9$ ) viable spores per gram.

This product can be added directly to the waste treatment system, preferably to the influent stream or aerated basin. For toxic waste or short retention times, re-hydration of the products for one hour prior to addition to the system is recommended, at a dilution rate of 1 kilogram in 15 liters of water. For best results use water at a temperature of 12 to 18°C (54 to 65°F).

We recommend to add 100 to 200 grams of ECOFLUSH or ECOFLUSH COLD for septic systems. Application frequency depends on the use of the septic system, but generally monthly or bi-monthly applications work very well.

In order to determine the application dosage that your water treatment system will require consult with our distributor. The required information needed to get a dose rate include composition or origin of waste, total suspended solids (TSS), Biological Oxygen Demand (BOD) or Chemical Oxygen Demand (COD) of the effluent to be treated as well as target parameters, and flow rate ( $m^3/day$ ).

## Storing Optimal Requirements

Store ECOFLUSH and ECOFLUSH COLD in a sealed container, in a cool and dry location. After removing needed amount seal container to store. We recommend storing product at a temperature between 1 and 23°C (34 and 74°F).