



## Benefits of "C"

Accelerates degradation of unpleasant odors associated with handling pulp and paper wastes

Increases the efficiency of over-loaded treatment systems

Improves BOD and TSS in effluent

Reseeds after plant upset

## Product Description - Organic Compost Stabilizer and Odor Reducer

"C" is a potent combination of billions of active Aerobic and Anaerobic bacteria cultures which produce enzymes specially engineered to degrade fibrous materials.

The ENZYME activity enhances cellulosic reduction by converting the fibrous solids into carbon dioxide (CO<sub>2</sub>) and water (H<sub>2</sub>O). "C" is a remarkably potent compound that contains an overwhelming 1,800 cellulase (CAU) units per gram.

"C" increases organic digestion at paper and pulp mills, fruit processors, food processors, etc. and POTW's in pretreatment and treatment of heavy influxes of cellulosic fibrous organic solids.

"C" is non-toxic, non-flammable, biodegradable, non-corrosive and non-volatile.

### Application Instructions

Flow Rate	Initial Dosage	Maintenance**
Up to 1,000 gpd	½ lbs. per day for 3 days	½ lb. per week
Up to 5,000 gpd	½ lbs. per day for 3 days	1lb. per week
Up to 20,000 gpd	5 lbs.*	1½ lb. per week
Up to 50,000 gpd	8 lbs.*	2 lb. per week
Up to 250,000 gpd	15 lbs.*	¼ lb. per day
Up to 500,000 gpd	25 lbs.*	½ lb. per day
Up to 1 mgd	50 lbs.*	1 lb. per day
Up to 5 mgd	50 lbs. per mgd*	1 lb. per mgd per day
Up to 12 mgd	50 lbs. per mgd*	¾ lb. per mgd per day
Up to 100 mgd	30 lbs. per mgd*	½ lb. per mgd per day

\* Spread this initial dosage out over the course of 10 days.

\*\* Add as regularly as possible. If it is required to miss one day, add that day's product with the next dosage.

Dosage rate will vary with flow rates, retention times and system variations. The rates above are for a typical, well maintained system.

### Activated Sludge Systems

Activated Sludge Systems include various process flow sheets for example: Extended Aeration, Contact Stabilization, Step Aeration, Oxygen Activated Sludge. The application rate for all products is based on the average daily flow rate to the aeration basin, excluding the return sludge stream. For Seasonal or widely fluctuating flows, contact your Enviro-Zyme technical representative.

### Trickling Filter and Rotating Biological Contractors

The Application rate for all products is based on the average daily flow rate to the filter or contactor, excluding any recirculating process stream. For Seasonal or widely fluctuating flows, contact you Enviro-Zyme technical representative

### Lagoon Systems

•For aerated lagoon systems, the application rate is based on the average flow to the lagoon

•For facultative lagoon systems, the application rate is based on the lagoon surface area:

Day 1 through Day 5 20lbs per acre per day

Day 6+ 2lbs per acre per week

•For anaerobic lagoons, the application rate is based on the total volume of the anaerobic lagoon.

<100,000 gallons 1lb-2x per week per 5,000 gal

>100,000 gallons 1/2lb-1x per day per 5,000 gal.

•For lagoons in cold climates, commence program when the water temperature is at least 50 F

•Enhance organic removal efficiency of biological systems, providing lower effluent BOD, COD, and TSS

•Enhance solids settling where it has been disturbed by loading fluctuations

•Accelerate the start-up of new systems and aids recovery after upsets

•Improve cold weather operation

•Resistant to Sulfides

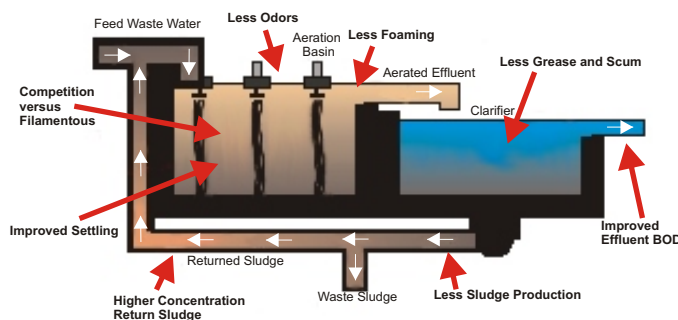
•Aids nitrification by lowering toxicity

•Improves effluent quality

•Reduce sludge production

•Lower operating costs by reducing chemical consumption

•Competes against filaments



# “C”

# Increasing Organic digestion!

## PACKAGING DESCRIPTION:

“C” is available in 50 pound containers.

## SPECIFICATIONS:

Form:	Free-flowing powder
Color:	Tan
Nutrient Content:	Biological nutrients and stimulants
Plate Count:	3 billion per gram

## STORAGE:

DO NOT FREEZE! Store in cool dry location. Do not inhale dusts, avoid excessive skin contact. SEE M.S.D.S.



## Case History 1003



**A midwest recycle mill treated approximately 1mgd of waste water in an activated sludge system. The use of “C” reduced the filaments in the plant, improved effluent BOD and TSS and speeded recovery from upset conditions.**

Your Local Distributor is:

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