

- High Count
- Non-Toxic
- Non-Corrosive
- Non-Caustic
- Harmless to Humans
- Harmless to Pets
- Harmless to Plumbing

### FEATURES

HC Bacterial Enzymes is a stable mixture of bacteria and enzymes. When activated, it will break down a wide variety of organic waste materials.

HC Bacterial Enzymes contains both anaerobic and aerobic bacteria, so it will work effectively with or without oxygen present. Like all bacteria, it is most effective at temperatures above 40° F. (Sewer lines range 50° to 60° F year around.)

HC Bacterial Enzymes is effective in either initiating or restoring proper bacterial and enzymatic activity to sewage treatment plants, lagoons and septic tanks.


HC Bacterial Enzymes is very effective in the spring in treating lagoons. Generally lagoons will become dormant during the winter months and will contain an unusually large amount of waste that will cause the lagoon to put off an abnormal amount of offensive odors. By giving the lagoon an initial spring treatment, it will reach maximum bacterial activity much earlier and eliminate future problems.

HC Bacterial Enzymes can be effectively used in late summer or early fall applications to build a strong bacterial system for the winter months.

HC Bacterial Enzymes has been proven highly effective in treating waste buildup and odor problems in lift stations and wet wells.

HC Bacterial Enzymes is effective in treating sewage waste lines that accumulate sewage or scum because of low flow, inadequate drop, or too much drop.

HC Bacterial Enzymes, being an extremely high count bacterial product, is also very effective in treating septic tanks, laterals, grease traps, dishwashing sinks, vegetable sinks, garbage disposals, dishwashers, laboratory sinks, hospital drains or most lines that carry waste.

HMIS Ratings	Health	0	NFPA Ratings	
	Flammability	0		
	Reactivity	0		

Made in USA 

**Net Weight: 50 Pounds**



# HC BACTERIAL ENZYMES

## Anaerobic Bacteria

Minimum 7 billion colonies per gram

## Aerobic Bacteria

Minimum 5 billion colonies per gram

**Contains a special formulation of the following types of enzymes to break down waste materials:**

**Protease**      **Lipase**  
**Diastase**      **Cellulase**

- ★ LIQUEFIES ORGANIC WASTES
- ★ REDUCES SUSPENDED SOLIDS
- ★ ELIMINATES ODORS

**CAUTION:** Keep out of reach of children. Do not take internally. Avoid eye contact and prolonged skin contact. Wash off with water. Keep product dry before use.

An Exclusive Formula Of **M-64**

MID-AMERICAN RESEARCH CHEMICAL CORP.  
P.O. BOX 927 COLUMBUS, NE 68602-0927

- Lagoons
- Wet Wells
- Lift Stations
- Sewage Plants
- Septic Tanks
- Disposals
- Sewage Laterals
- Dairy Farms

### DIRECTIONS FOR USE

Because of the various types and sizes of treatment plants and systems and the multitude of different wastes involved, the following are only suggested amounts of HC Bacterial Enzymes.

HC Bacterial Enzymes can be added by mixing it with lukewarm water to form a slurry, and then put directly into the system. Do not allow to sit more than 30 minutes after mixing. Water soluble packets may just be tossed into the system water.

Sewage Treatment Plants and Trickling Filters: Initially add 3 to 5 pounds (12 to 20 4-oz. packets) per million gallons of daily flow. If necessary, repeat in 48 hours. For overloaded systems, up to 25 pounds (100 4-oz. packets) may be added per million gallons. For preventative maintenance, use 2 to 3 pounds (8 to 12 4-oz. packets) per million gallons of daily flow once a week.

Sludge Digesters and Imhoff Tanks: Initially add one pound (4 4-oz. packets) per 7,500 gallons (1,000 cubic feet) of capacity once each week for 4 weeks. For badly overloaded systems, double this amount. For preventative maintenance, add one pound (4 4-oz. packets) per 7,500 gallons capacity each month.

Sludge Lagoons: Initially add 5 to 10 pounds (20 to 40 4-oz. packets) per million gallons of capacity. Use up to 25 pounds (100 4-oz. packets) for overloaded conditions. For preventative maintenance, add 2 to 5 pounds (8 to 20 4-oz. packets) per million gallons every 2 to 3 weeks.

Lift Stations: Add 1/4 to 1/2 pound (1 to 2 4-oz. packets) per 500 gallons of sewage flow.

Septic Tanks: Initially add 1/2 pound (2 4-oz. packets) in one quart warm water for each 500 gallons of capacity. Flush down toilet. Use 1/4 pound (1 4-oz. packet) per month for maintenance.

Pit Toilets: Use 1/4 to 1/2 pound (1 to 2 4-oz. packets) per 500 gallons of capacity per week.

Drains: Add several tablespoons to two cups of warm water. Pour into drain and allow to work overnight. To help keep drain free flowing, use weekly.