

Odormute™ Outhouse Formula™



Outhouse Formula™ contains bacteria and enzymes that degrade waste into a ground-absorbing liquid. Outhouse Formula is designed for use in outdoor toilets, outhouses, and campground facilities. A blend of Aerobic and Anaerobic Bacteria with natural and synthetic enzymes, Outhouse formula also aids in odor control

The Science behind the formula

Outhouse Formula™ is a blend of aerobic and anaerobic Bacillus bacteria with Protease, Cellulase, Lipase and Amylase enzymes. These “friendly and helpful” bacteria are added to a favorable environment, like an Outhouse or Septic tank, and the spores germinate into growing cells that activate enzyme systems and begin feeding on the available nutrients.

Outhouse Formula™ contains 5 strains of Bacillus bacteria including 2 bacterial strains which are facultative anaerobes. Facultative Anaerobic bacteria work both with and without oxygen.

Outhouse Formula™ contains strains of Bacteria Producing Enzymes that produce digestive enzymes when added to organic material. The bacteria in Outhouse Formula™ release lipase enzymes that attack lipids (fats) releasing fatty acids which are broken down into smaller compounds. The same bacteria also produce Protease enzymes (that break down protein from meat present in grease, for example) and amylase enzymes (that break down starch from flour for example). Cellulase enzyme, breaking down cellulose such as paper and Amylase enzyme, which breaks down carbohydrate and starch, are also present.

Chemicals such as bleach and detergents added to septic systems do kill off the helpful bacteria. Continued use of Outhouse Formula™ in maintenance doses is needed to combat these harmful chemicals and continue to remediate new materials added to the system.

Why both Bacteria and Enzymes in the formula?

Bacteria are not enzymes, they are living cells. Bacteria (sometimes called sacks of enzymes) produce and use enzymes to break down chemical compounds. Enzymes are proteins which accelerate biological reactions. Enzymes act as catalysts that bind with another chemical that is then broken down. Enzymes provide the “spark” to get the bacteria up and moving to perform their job!

These same enzymes occur naturally in the environment keeping plant, animal and human waste from over-running us. Enzymes are derived from all living organisms and are harmless to humans, animals and marine life. Enzymes are non-toxic, non-irritating, and non-hazardous.

Enzymes are manufactured proteins that exist in all living organisms such as plants, animals and bacteria. Their purpose is simply to digest waste. Waste is layers of fine films made up of grease, oils, fats, bacteria, germs, dust mites, non-organic material and organic micro-organisms. Enzymes attack or digest the amino and fatty acids that bond these films together and to the surface being cleaned. Enzymes are chemical catalysts that accelerate the natural biodegrading or break-down of organic material.

Why is Outhouse Formula™ a powder?

Our bacteria is put into a dormant state by drying them, stopping enzyme activity. This allows the formula to withstand the blending and packaging process and temperature variations during shipping and storage. Digestive activity resumes when the formula is re-hydrated with water which activates their enzymes and stimulates the bacteria to begin feeding on nutrients.

Cautions

The potential health hazard while using enzyme or bacterial products is very low. However, care needs to be taken to avoid breathing of aerosol of bacteria spray. While Bacillus bacteria do not produce disease, under appropriate conditions it can irritate skin through lacerations or irritate the respiratory tract of immuno-compromised individuals. Wash hands thoroughly after usage. Avoid breathing in dust from the powder or aerosol when mixing Outhouse Formula™ with water.

Available in 11lb zipper bags, and 25lb. cartons.

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