

Technical Product Bulletin

BIO-ZYME

Liquid Bio-Active Formulation for Wet-Cleaning and Special Application Garment Spotter (Bacterial Count: 200 Billion per Gallon)

BIO-ZYME is a ready-to-use enzyme formulation for the professional wet cleaner designed to liquefy and digest proteins, cellulose, starch, fats, oils, and greases at an accelerated rate. It is a safe, natural processing agent for eliminating the cause of odors. BIO-ZYME aids in the removal and hydrolyzation of animal excretion and other protein-sourced soils and odors from various items, including horse blankets, comforters, sleeping bags, and other washable items contaminated with body excretions, organic odors, and blood.



BIO-ZYME also has specific usage as a carpet spotter when treating organic stains of the above-listed types on sensitive fibers.

Composition and Appearance

BIO-ZYME contains a select blend of highly active and safe microorganisms that digest cellulose, oil, grease, and fat buildup with or without air. The product incorporates a synergistic blend of surfactants for superior wetting and suspension capability.

Appearance: Creamy, white liquid

Odor: Pleasantly fragranced

Specific Gravity: 8.2 – 8.8

Effective pH range: 4.5 – 9.0 (for wet cleaning, pH is best kept on the acid side, 4.5 – 6.0)

Directions

Spotting board: Prepare a stock solution with 3 parts water to 1 part BIO-ZYME, then spray onto washable fabrics. Processed items should sit damp for 30–60 minutes before washing.

Washers: Add BIO-ZYME to the break operation of wet-cleaning machines at a rate of 5–10 ounces of concentrate per 50-pound machine capacity (1–2 ounces per 10 pounds of garments). Water temperatures can range from 60–110°F, and hold times will vary depending on the degree of soil contamination.

Carpet spotter: Remove excess waste. Test for colorfastness in an inconspicuous area. Mix 1 part product with 2 parts water and clean the area (use the mixed solution within 2–4 hours). For severe spots, use undiluted. Repeat the procedure as necessary for persistent problems.

Handling

Though non-toxic, avoid breathing product mist. Avoid contact with eyes and open wounds. Wash hands after handling. In case of contact, immediately flush your eyes with plenty of water. If ingested, drink water to dilute, and call a physician.

Note: Do not use BIO-ZYME with disinfectants, acids, caustics, chlorinated and oxygen bleaches, or boiling water.

The product is non-corrosive. Follow standard precautions for handling chemicals when using BIO-ZYME.

Packaging

BIO-ZYME is available in 4x1-gallon cases, 5-gallon pails, and 15-gallon drums.