
TECHNICAL PRODUCT BULLETIN

WCS™ Wet-Cleaning Systems

BIO-ZYME

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

Description

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 the elimination of the cause of odors. BIO-ZYME aids in the removal and hydrolyzation of animal excretion and other protein-sourced soils and odors from a variety of 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 which digest cellulose, oil, grease, and fat buildup with or without the presence of 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: A stock solution can be prepared with 3 parts of water to 1 part BIO-ZYME, then sprayed onto washable fabrics. Processed items should be allowed to sit damp for 30–60 minutes before washed.

Washers: BIO-ZYME can be added 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 upon 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 area (use mixed solution within 2–4 hours). For severe spots, use undiluted. Repeat procedure as necessary for persistent problems.

Packaging

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

Handling Precautions

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

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

The product is non-corrosive. Normal precautions used in handling any chemical should be followed when using BIO-ZYME.