
TECHNICAL PRODUCT BULLETIN

PROZYME

Description

PROZYME is an innovative, one-shot, mildly-built powdered detergent that contains oxygen bleach, low-temperature bleach catalyst, and specially-selected enzymes that help in the removal of body oils, food stains, blood, albumen, and other bodily secretions. PROZYME was designed for professional shirt launderers. This unique merging of enzyme technology with lower temperature wash chemistry allows for balance and a broad spectrum targeting many soil classifications.

Performance

PROZYME utilizes a safe-to-color oxygen bleaching component in conjunction with a low-temperature bleach catalyst effective in water temperatures ranging between 120°–140°F.

PROZYME also contains a non-toxic, non-pathogenic microorganism, which produces enzymes capable of hydrolyzing a wide variety of triglyceride soils into free fatty acid, mono, and diglycerides — all of which are more soluble than the fatty substances in the wash liquor.

The enhanced dispersing characteristics have accelerated PROZYME's reaction time well within the time constraints of existing wash formulas. PROZYME excels in hard water conditions and in the broad range of temperatures typically found at on-premise laundries. Souring may or may not be necessary depending on the local rinse water bicarbonate alkalinity levels.

Applications

- One-shot product
- Extremely stable in storage conditions
- Low usage rates, high activity
- Allows for minimal use of alkali
- Safe for dye-fast colors
- Performs effectively in temperatures ranging between 120°–145°F in hard and soft water
- Deodorization
- Readily soluble in all concentrations

Directions

Rates of dosage range between 12–16 ounces per 50-pound load (approximately 100 shirts) depending on soil conditions.

Packaging

PROZYME is available as a 12x2-pound case and in 5-, 50-, 100-, and 400-pound containers.