



GUS
DEVELOPING THE FUTURE
EMPOWERING WOMEN



Six enzyme laundry detergent

BIO-TORQ Laundry Powder is a granulated multi-enzyme laundry detergent solution allowing high wash performance at low temperatures. It contains a blend of six different enzymes, each offering primary stain removal and/or secondary wash effects such as whiteness/anti-redeposition, colour care, and fabric care. The six different enzymes work together, exhibiting extra power when removing complex stains, such as:



BIO-TORQ Laundry Powder was designed with household and industrial laundry in mind. Everyone wants laundry detergents which effectively remove all stains every time they wash. They want to see their clothes and linen visibly cleaner than they were before washing. They do not want to pay the high prices of perceived market leaders.

BIO-TORQ Laundry Powder offers:

- Extremely effective, all-around stain removal and whitening effect, at low temperatures
- Turbo-charge booster for your laundry
- Booster effect from six-enzyme cleaning process, making even set-in stains disappear, naturally
- Highly cost-effective - environmentally friendly, sustainability-enhancing solution at low temperatures
- Can be used in cold or warm water wash - reducing energy consumption (higher temperature may have a negative impact on the enzymes' performance)
- All ingredients are biodegradable in this formula - after washing the surfactants and enzymes will break down and can be absorbed back into nature
- Contains no added phosphate

Optimal pH and temperature:

- BIO-TORQ Laundry Powder** has an optimal pH and temperature profile
- Washing temperatures from 20°C to 40°C, depending on the washing conditions and the type of washing machine



The selected wash cycle



Select ideal temperature setting

The stain removal effect: The stain removal effect of BIO-TORQ Laundry Powder can be demonstrated on a very broad range of commercially available test swatches.



Before



After

PRODUCT CHARACTERISTICS

Enzyme Type:

- Protease** – breaks down proteins (e.g. meat, excreted/secreted proteins) into amino acids.
- Lipase** – breaks down fats/grease into fatty acids & glycerol. If not broken down, fats can go rancid & lead to off-odours and blocked drains/fat grease traps.
- Amylase** – starch acts as a glue for dirt – amylases catalyse the break-down of starch into sugars which are then further used as a food source by the bacillus.
- Cellulase** – breaks down cellulosic material.
- Mannanase** - breaks down mannans (food texturisers, thickeners).
- Pectinase** – breaks down fruit and juice based stains.

COD: 350mg – 1507 Oxygen/g

BOD: 100mg Oxygen/g

Nitrogen: 2mg/g

Phosphate: <1mg/g

Directions for usage:

BIO-TORQ Laundry Powder consists of oxidative-stable enzyme proteins formulated as highly robust T-granulates which are ideal for use in our formulation. The recommended dosage can vary depending on how heavily soiled the garment is. Typically, dosages of 50% of your regular washing detergent per 5 kg of laundry detergent are used. Eco Distribution Africa is available to help determine the relevant dosage in a particular environment for a particular application (washing need).

This powerful booster formulation will allow you to use up to half the recommended dosage as stated on your regular laundry detergent – essentially doubling your regular detergent at a fraction of the cost, at half the normal temperature setting – halving your energy consumption and saving you money.

Many products claim to be safe and “green.” What proof do we have? With BIO-TORQ Laundry Powder all the enzymes in our product preparation are biodegradable at > 70% at 28 days (OECD Guideline 301 F) and OECD TG301 B.

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