

## BIO CLEANING SOLUTIONS

*Odorite™ Ultra Plus Laundry Powder with Oxygen Bleach*



This is a reformulated **six-enzyme laundry detergent with environmentally friendly oxygen bleaching power.**

**Odorite™ Ultra Plus Laundry Powder** is a granulated multi-enzyme laundry detergent solution for high wash performance at low temperatures. It contains six 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:



**Odorite™ Ultra Plus Laundry Powder** was designed for household and industrial laundry. Everyone wants laundry detergents that effectively remove all stains every time they wash. They want to see their clothes and linen visibly cleaner than before washing. They do not want to pay the high prices of perceived market leaders.

**Odorite™ Ultra Plus Laundry Powder** is combined with newly formulated **Oxygen Bleach**, which is an effective bleach activator. The combination of our formulation enables the removal of bleachable stains from fabrics at temperatures ranging from 30 to 60°C. Additionally, this combination provides a high standard of hygiene in automatic laundry applications by the in-situ generation of Oxygen and Bleach activators that are produced with high purity in a solvent-free process with water as the only by-product. The inclusion of this oxygen bleach is not a chlorine bleach. Instead, it is an environmentally friendly version, known as oxygen bleach, that is safe on colours, whitens whites, and, as a bonus, does not weaken fabrics like traditional bleach. Plus, it is fully biodegradable.

**Odorite™ Ultra Plus Laundry Powder offers:**

- Extremely effective, all-around stain removal and whitening effect at low temperatures

- Turbo-charge booster for your laundry
- Booster effect from the 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 hurt the enzymes' performance)
- All ingredients in this formula are readily biodegradable. After washing, the surfactants and enzymes will break down and be absorbed into nature.
- Contains no added phosphate.

#### Optimal pH and temperature:

- **Odorite™ Ultra Plus 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 new ultra-stain removal effect:

The stain removal effect of **Odorite™ Ultra Plus Laundry Powder** can be demonstrated on a very broad range of commercially available test swatches.

**Odorite™ Ultra Plus Laundry Powder** provides stain removal on laundry through its ability to break down and solubilise many different substrates. It provides increased wash performance at low temperatures; the stain removal of detergent containing **Odorite™ Ultra Plus Laundry Powder** at 30°C matches detergent containing **Odorite™ Ultra Plus Laundry Powder** at 40°C and detergent base at 60°C; performance raises the laundry detergents to a higher performance benchmark.

### PRODUCT CHARACTERISTICS

- **Bacteria Type:** Enzymes derived from Bacillus consortium producing the following enzymes:
  - ✓ **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 breakdown 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 texturizers, thickeners).
  - ✓ **Pectinase** – breaks down fruit and juice-based stains.
- **COD** : 350mg – 1507 Oxygen/g
- **BOD** : 100mg Oxygen/g
- **Nitrogen** : 2mg/g
- **Phosphate** : <1mg/g
- **Presentation** – slightly moist powder – to prevent dust particles from causing any allergic reaction, i.e., asthma attack.

#### Directions for usage:

**Odorite™ Ultra Plus Laundry Powder** consists of oxidative-stable enzyme proteins formulated as highly robust T-granulates, which are ideal for our formulation. The recommended dosage can vary depending on how heavily soiled the garment is. Typically, dosages are up to 50% less than your regular washing detergent. One kg of dry-weight laundry is at a dosage of 5 g of laundry detergent. Green WorxCS is available to help determine the relevant dosage in a particular environment for a specific 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 – doubling your regular detergent at a fraction of the cost, at half the standard temperature setting – halving your energy consumption and saving you money.

#### Many products claim to be safe and “green.” What proof do we have?

With **Odorite™ Ultra Plus Laundry Powder**, all our product preparation enzymes are biodegradable at >70% at 28 days (OECD Guideline 301 F) and OECD TG301 B.

Global GreenTag PHD certified as non-asthma and non-allergy sensitive.

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## Cleaner. Greener. Smarter.



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