



## LAUNDRY POWDER

**Isoclean 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**.

Isoclean Laundry Powder was designed with **household** and **industrial** laundry in mind. Isoclean Laundry Powder consists of oxidative-stable enzyme proteins formulated as highly robust T- granulates which are ideal for use in our formulation.

The six different enzymes work together, exhibiting extra power when removing complex stains, such as:



### Applications:

- **Bio degradable – no phosphate**
- **Extremely economical – 50% product needed than usual washing powders**
- **All-around stain removal and whitening effect**
- **Set in stains disappear naturally from booster effect of 6 enzyme cleaning process**
- **cold or warm water wash** (40 degrees and less)

Washing temperatures from **20°C to 40°C**.

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



## Directions:

**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.**

Isoclean is available to help determine the relevant dosage in a particular environment for a particular application (washing need).

## Directions:

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



Before



After

## Ingredients

### 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-odors 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

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