

# Technical Bulletin

## Polybreak

### Heavy Duty Laundry Powder

#### Product Description:

POLYBREAK is a bulk non dusty synthetic laundry powder, containing highly active yet low sudsing detergents, optical brighteners, soil suspending agents and silicates and phosphonates. It is especially good for taking off vegetable and animal fats and carbon residue of Polyester based fabric without damaging fabric and is colourfast.

POLYBREAK is suitable for low or high temperature laundering.

AQIS APPROVED UNDER CATEGORY 26 FOR USE AS A MISCELLANEOUS COMPOUND.

Recommended for all large commercial laundering as well as small operations such as nursing homes, colleges, motels and hotels and slaughter houses.

#### Application:

Cotton/Polyester 50:50 blend absorbs 1.5 times its weight.

Low level of water/linen is 5.5 litres: 1 kg of dry linen.

High level of water/linen is 8.5 Litres: 1 kg of dry linen.

Better performance is achieved by phosphonates and silicates at with temperatures 60-85°C to enhance detergent performance and anti-redeposition.

Polyester does not absorb water (hydrophobic) absorbs oil easier.

Low level of water/linen is 3L: 1kg of dry linen.

High level of water/linen is 7L: 1kg of dry linen.

Best performance in using synthetic detergents (Nonionic detergents) with temperatures at 40-85°C no higher FOR POLYESTER-SYNTHETIC BLENDS. Concentrate Caustic can cause problems to fabric strength.

Most laundries follow set procedure to suit their particular needs in break wash and bleach cycles. It is generally recommended that POLYBREAK be used in quantities varying from 100 - 250g per 25 kg loads. The quantities may need to be increased in areas where the water is exceptionally hard or the clothes extremely greasy.

1. **CONCENTRATED**  
The highly economical aspect of using POLYBREAK is obvious when only 1/3 the quantity is required to do the same work as that suggested for fluffed or spray dried.
2. **BIODEGRADABLE**  
Non polluting and therefore ecologically safe.
3. **STOPS GREYING**  
The soil suspending agents together with selected optical brighteners prevents redeposition of soil in the wash cycle. The load emerges white and bright.

TYPE	Non dusting dense synthetic detergent powder
COLOUR	White
FLAMMABILITY	Non flammable
COMPOSITION	Anionic, nonionic detergents and wetting agents, optical brighteners, soils suspending agents and silicates
HARD WATER TOLERANCE	Excellent

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Page 1 of 1