

TEXCARE ONE TERRA

Technical Data Sheet

TEXCARE ONE TERRA

Soil Release Polyester for household and industrial products

Chemical name	Water soluble bio poly ethyleneglycol propyleneglycol oligo ester
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Product properties ¹

Appearance (20 °C)	Clear to slightly cloudy yellow liquid
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Publisher
Rothausstrasse 61
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Switzerland

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Profile

TEXCARE ONE TERRA is a water-soluble nonionic soil release polymer exhibiting superior cleaning performance in particular in ultra concentrated liquid detergents and cleaners such as capsules. It exhibits a broad tolerance to the most common surfactant systems used in liquid laundry detergents, laundry detergent capsules or other laundry products.

Soil Release Effect

Fabrics made from polyester and polyester/cotton can be difficult to clean when they are soiled with greasy stains. Such stains adhere strongly to the hydrophobic synthetic fibres, which are then only poorly wetted by the washing liquor.

If these fabrics are washed with a detergent containing a soil release polymer from the TEXCARE series, e.g. TEXCARE ONE TERRA, the soil release polymer is adsorbed onto the hydrophobic fibres and forms a hydrophilic film. This prevents the soil from adhering directly to the fibres. Furthermore, the affinity of hydrophobic soils for the hydrophilic film

¹ These characteristics are for guidance only and not to be taken as product specifications. The tolerances are given in the product specification sheet. For further product properties, specifications, safety, and ecological data, please refer to the MSDS.

is reduced significantly compared to the untreated fibres. This makes it much easier to remove greasy stains from the fabric during subsequent washing.

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Primary Detergency

A further benefit of TEXCARE ONE TERRA is the improvement of primary detergency on oily and greasy soils. Even without prewashing of the fabrics for the soil release finish, soil removal from polyester and polyester/cotton fabrics is boosted. The TEXCARE polymers, like TEXCARE ONE TERRA are acting temperature independent and boosting the primary detergency at all temperatures.

Anti-Redeposition

Lime soap and various soils present in the washing liquor need to be dispersed in order to avoid redeposition onto the fabrics present. A detergent which poorly fulfills this requirement will lead to greying of the washed garments. TEXCARE ONE TERRA can effectively aid in the dispersion of those soils and prevents redeposition through repelling soil from the polyester fabric surface.

Hydrophilization

Wear comfort of clothes is a very important topic for consumers. Compared to hydrophilic cotton fabrics, vapour cannot sufficiently pass through hydrophobic standard polyester fabrics, which leads to an unpleasant wear comfort. By deposition of TEXCARE ONE TERRA, polyester-containing fibers get hydrophilized. Water absorption and thus wear comfort of the dried fabric increase strongly.

Recommended Applications

TEXCARE ONE TERRA is specifically developed for laundry detergent capsules and provides highest compatibility with ultra concentrated detergent formats.

However, TEXCARE One TERRA can be used in all kinds of liquid laundry products, such as liquid detergents, softeners or additives. In addition, TEXCARE ONE TERRA may be applied in liquid hard surface cleaners.

Storage and Shelf Life

TEXCARE ONE TERRA can be stored for at least 2 year in original sealed containers at room temperature under the recommended conditions.

The clear solution can become slightly turbid or form a slight precipitation but this is typical for a water-soluble polyester and does not affect the efficiency of the product. At lower temperatures the solution may become slightly turbid or crystallize but this is reversible upon warming. The product should be homogenized before use.

Safety

Further information on handling, storage and dispatch is given in the material safety data sheet.

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