

HOME CARE

One product.  
Double function.  
TexCare® Gemini SG Terra



Greater chemistry

# Introducing a soil release polymer that also improves rheology control

TexCare® Gemini SG Terra is a soil releaser that also helps to adjust the viscosity of laundry liquids and has an enhanced eco-footprint.

Named Gemini after the Latin word for »twins«, our latest home care innovation has a useful twin function: In addition to being a high-performing soil release polymer (SRP), it eliminates the typical drawback of these ingredients by helping to improve viscosity instead of impairing it.

Traditional SRPs tend to thin down laundry liquid formulations. These then become harder to handle for consumers and look less concentrated and effective. Readjusting viscosity with salt is not always possible, meaning thickeners must be added. This can significantly drive up formulation complexity and costs.

TexCare® Gemini SG Terra solves this issue. As a state-of-the-art SRP, it brings many highly marketable claims to laundry liquids: from stain protection and anti-graying to easier garment care and eco-benefits. At the same time, it gives formulators better rheology control, removing the frequent downsides of thickener use.

In contrast to most thickeners, TexCare® Gemini SG Terra also has a high renewable carbon index (RCI) of 80%. As part of our earth-friendly Terra range, it supports Clariant's and the industry's transition to more sustainable carbon.



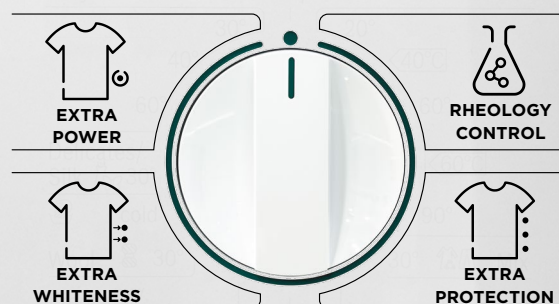
## DESCRIPTION

- Trade name: TexCare® Gemini SG Terra
- Chemical name: nonionic polyester
- Appearance: clear to lightly turbid liquid
- Concentration/Active substance: approx. 50%



## APPLICATION

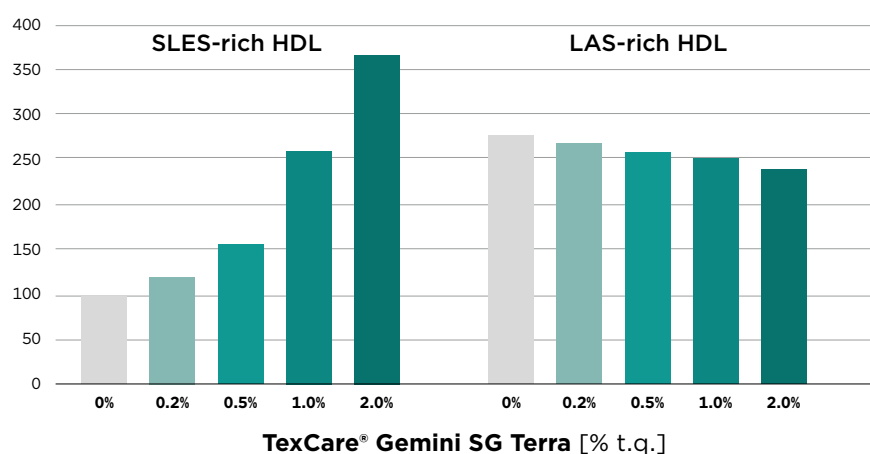
- Liquid laundry detergents
- Recommended concentration: 0.25–1%



## Rheology under control – TexCare® Gemini SG Terra removes the need for thickening

Thickening/non-thinning effect of TexCare® Gemini SG Terra

Viscosity [mPa·s] @ 25 °C (measure by rheometer, 1° cone and plate, shear rate 20 s<sup>-1</sup>)



TexCare® Gemini SG Terra  
simplifies formulators' lives

Your new choice:

TexCare® Gemini SG Terra

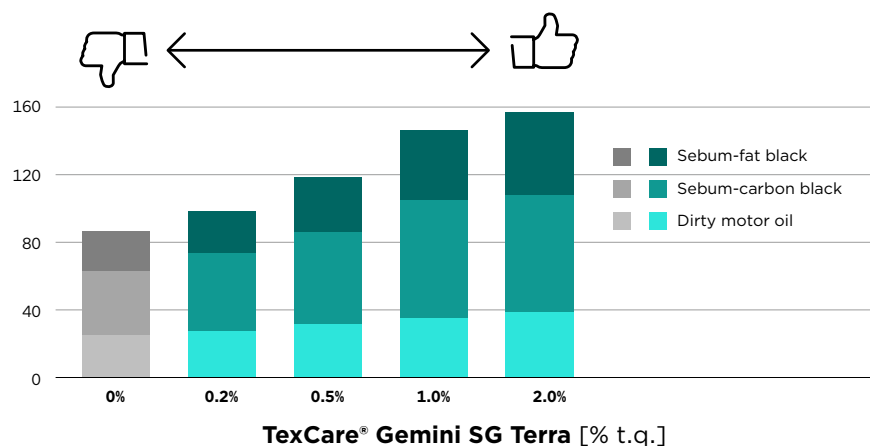
- Boosts performance and controls rheology all-in-one!
- Simplified formula with reduced costs due to fewer ingredients



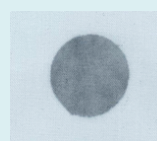
## TexCare® Gemini SG Terra provides excellent next-time cleaning performance

Soil release test in LAS/SLES-based liquid detergent  
Release of various soils at different concentrations

Remission @ 457 nm [brightness, the higher the brighter]



TexCare® Gemini SG Terra protects  
clothes by preventing staining



Carbon black,  
blank



Carbon black,  
2% t.q.

Shield against stains:

TexCare® Gemini SG Terra

- Provides excellent soil removal, even at low concentrations
- Allows flexible performance profile



Stressed lab test in Linitester on polyester (WFK 30A), 4 g/l detergent concentration of SLES/LAS-based detergent, water hardness 12.5 °dH, washing temperature 40 °C

# Taking better care of clothes and the planet – How our TexCare® soil release polymers work

**By protecting fabrics and helping to remove dirt, our SRPs make caring for clothes easier and more sustainable.**

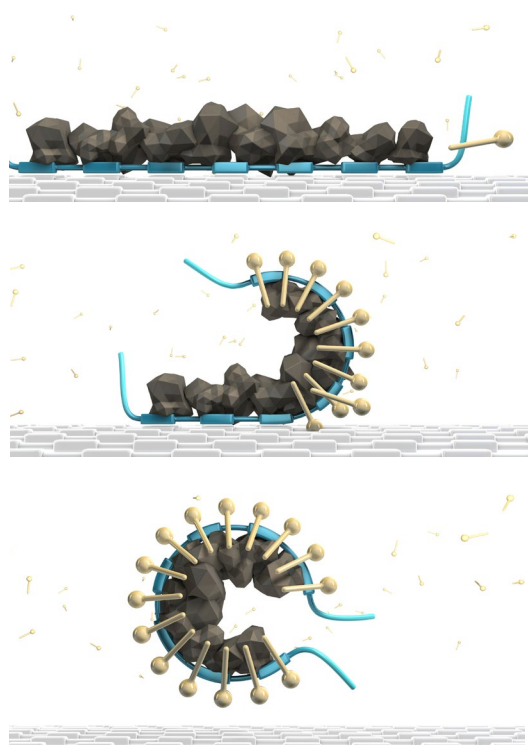
Our SRPs are tiny polymers that improve laundry care from the very first wash. Boosting the cleaning power of detergents, they help remove stains. At the same time, they attach to polyester fibers in the fabric, forming a protective film that keeps new stains away.

In all following cycles, our TexCare® polymers act as soil releasers that make dirt easier to be lifted off. By trapping soil particles in the wash water and not letting them resettle on fabrics, they also prevent graying.

All this is not just a great way to keep clothes clean and neat. It also allows less frequent, colder and shorter washing, saving water, energy and effort. In addition, it can make clothes last longer, further supporting a sustainable lifestyle.

TexCare® Gemini SG Terra offers the extra benefit of allowing formulators to control viscosity without thickeners, and has a high content of renewable carbon.

**TexCare® polymers shield fabrics from dirt, make it easier to remove, and prevent it from redepositing.**



Want to learn more about our soil release polymers?

**THIS QR CODE LINKS TO OUR WEBSITE,**

where you can also get in touch with our sales team.



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