

TexCare®

**THE MAGIC OF CLOTHES  
THAT DON'T GET DIRTY**



what is precious to you?

# TexCare® Product Range

## OUR OWN SPECIAL

### »WASHING INSTRUCTIONS«

## Clariant's Protective Polymers

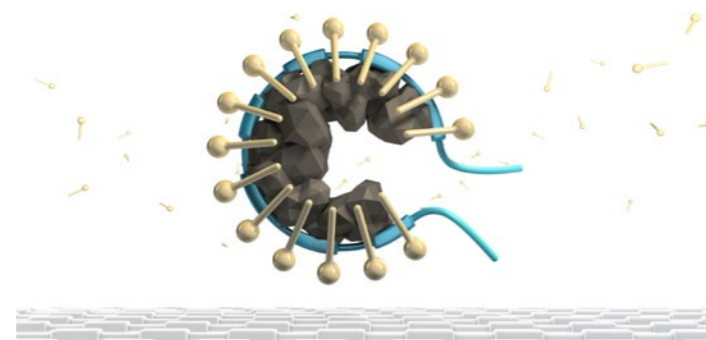
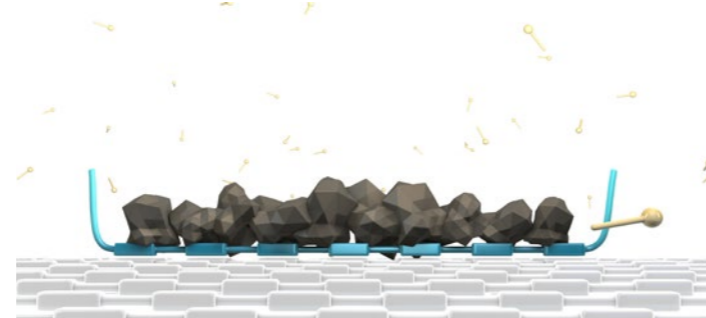
# WHAT IF THERE WAS AN INVISIBLE CLOAK THAT KEPT CLOTHES FROM PERMANENT STAINING?

Sounds impossible, right? Yet the producers of laundry detergents know that there actually is such a cloak. It is made up of tiny polymers that fasten onto polyester fibers during washing and coat them with a protective film that helps to keep clothes neat and new.

These soil release polymers prevent oily stains from seeping deep into the fabric, trap dirt that causes graying during washing and aid other substances to lift off soil. If all this seems like magic, what Clariant finds even more magical is that by protecting clothes these polymers also protect our environment and resources, reducing the need for hot water, heavy tumbling and aggressive washing agents.

TexCare® wipes away the need for muddy compromises. With the help of this magic ingredient, formulators can create a detergent that is mild and sustainable but powerfully removes stains even under gentle washing conditions and also protects clothes from turning gray due to outdoor pollution and the redeposition of dirt during washing. Simply add a few drops of TexCare® to the cauldron, and you'll be enchanted by the results.

**TexCare® polymers doing their magic trick: shielding fabrics from dirt and making it easier for surfactants to lift it off.**



	TEXCARE® SRN 170	TEXCARE® SRN 172	TEXCARE® SRN 260	TEXCARE® SRA 300 F
APPLICATION	Liquid laundry detergents	Laundry pods/pouches	Liquid laundry detergents	Washing powders
MAIN ADVANTAGE	Easy to formulate	Low water content (10%)	Best soil release performance	Granulated product
MAIN BENEFITS	Shield against stains	Stain trapper technology	Soil lift boost	
SECONDARY BENEFITS	Fabric maintenance (due to less mechanical action and reduction of washing temperature)	Increased comfort (due to hydrophilization of fabric)	Less surfactant usage/economy	



## TexCare® SRN 170 THE POLY-USABLE POLYMER

Do you know the kind of people who get along with everyone and adapt effortlessly to every new environment? Well, SRN 170 is our polymer version of that. It offers all the standard benefits of the series, but also has been designed in a way that makes it very easy to integrate into all kinds of liquid detergent formulas. Coming as a clear liquid that needs to be added at one percent at the most, SRN 170 blends into formulations like a chameleon.



### DESCRIPTION

- Trade name: TexCare® SRN 170
- Chemical name: nonionic polyester
- Appearance: clear liquid
- Concentration: 68-72%



### BENEFITS

- Protects clothes by preventing soil from penetrating deep into the fabric.
- Produces soil release effect in the next wash.
- Helps remove stains in the first wash.
- Maintains whiteness of clothes even after multiple washes.
- Easy to incorporate into most surfactant systems.



### APPLICATION

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

## TexCare® SRN 172 THE POUCHABLE POLYMER

Laundry pouches – also called pods, packs or capsules – are fun to look at and fun to use. This is probably why these dissolvable small bags filled with pre-measured amounts of liquid detergent are becoming more and more popular. Since they're supposed to dissolve in the machine and not before, we've created SRN 172: It has a water content of only ten percent, but still adds a healthy dose of dirt-repelling magic to those quirky little packs.



### DESCRIPTION

- Trade name: TexCare® SRN 172
- Chemical name: nonionic polyester
- Appearance: clear liquid
- Concentration: 68-72%
- Solvent: approximately 20% propylene glycol



### BENEFITS

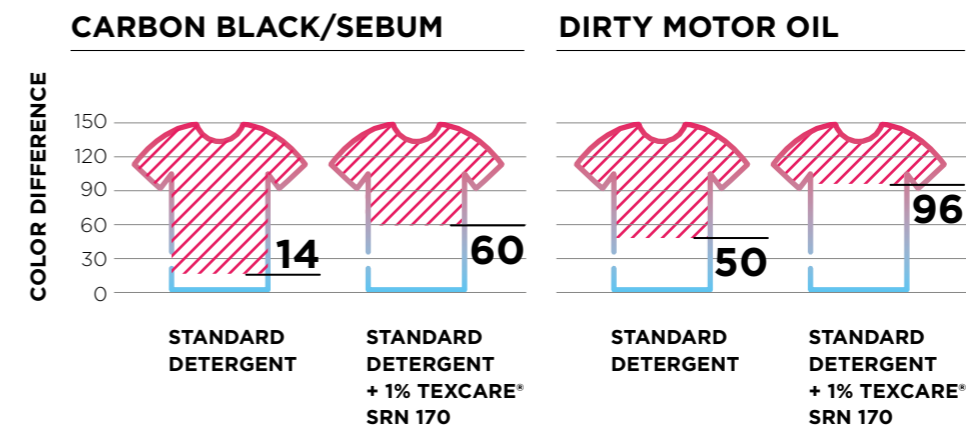
- Protects clothes by preventing soil from penetrating deep into the fabric.
- Produces soil release effect in the next wash.
- Helps remove stains in the first wash.
- Maintains whiteness of clothes even after multiple washes.
- Specially designed for formulations with low water content, such as are used in laundry pods and pouches.



### APPLICATION

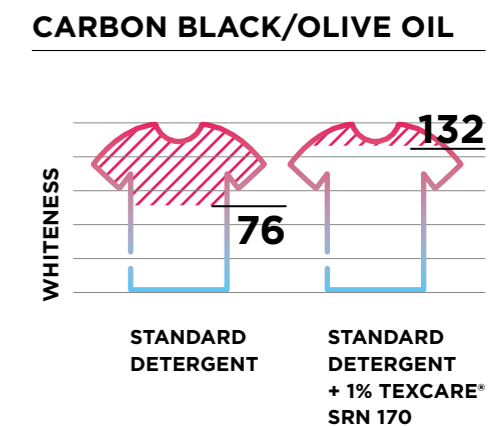
- Laundry pods/pouches
- Recommended concentration: 0.25-1%

## Soil Release TEST RESULTS



Washing machine: front loader; Detergent concentration: 5 g/L; Water hardness: 280 ppm CaCO<sub>3</sub>; Number of pre-washes: 3

## Anti-redeposition TEST RESULTS



Washing machine: modified jar test; Detergent concentration: 1 g/L; Water hardness: 280 ppm CaCO<sub>3</sub>



# TexCare® SRN 260

## THE TOP-PERFORMING POLYMER

If wearing clothes that always look new seems like an unattainable dream, SRN 260 is the polymer in our range that brings consumers closest to it. In tests, fabrics washed with the help of this top-performing soil releaser came out up to six times cleaner than those washed with detergent only. The polymer also prevented the redeposition of dirt during washing – the main culprit for graying – almost two times better than standard detergent alone. With SRN 260, taking clothes out of the washer almost feels like taking them out of a shopping bag.



### DESCRIPTION

- Trade name: TexCare® SRN 260
- Chemical name: nonionic polyester
- Appearance: clear liquid
- Concentration: 58-62%



### BENEFITS

- Protects clothes by preventing soil from penetrating deep into the fabric.
- Produces soil release effect in the next wash.
- Helps remove stains in the first wash.
- Maintains whiteness of clothes even after multiple washes.
- The soil release performance allows a reduction in washing temperature, detergent concentration and mechanical action, which further helps to protect fabrics.

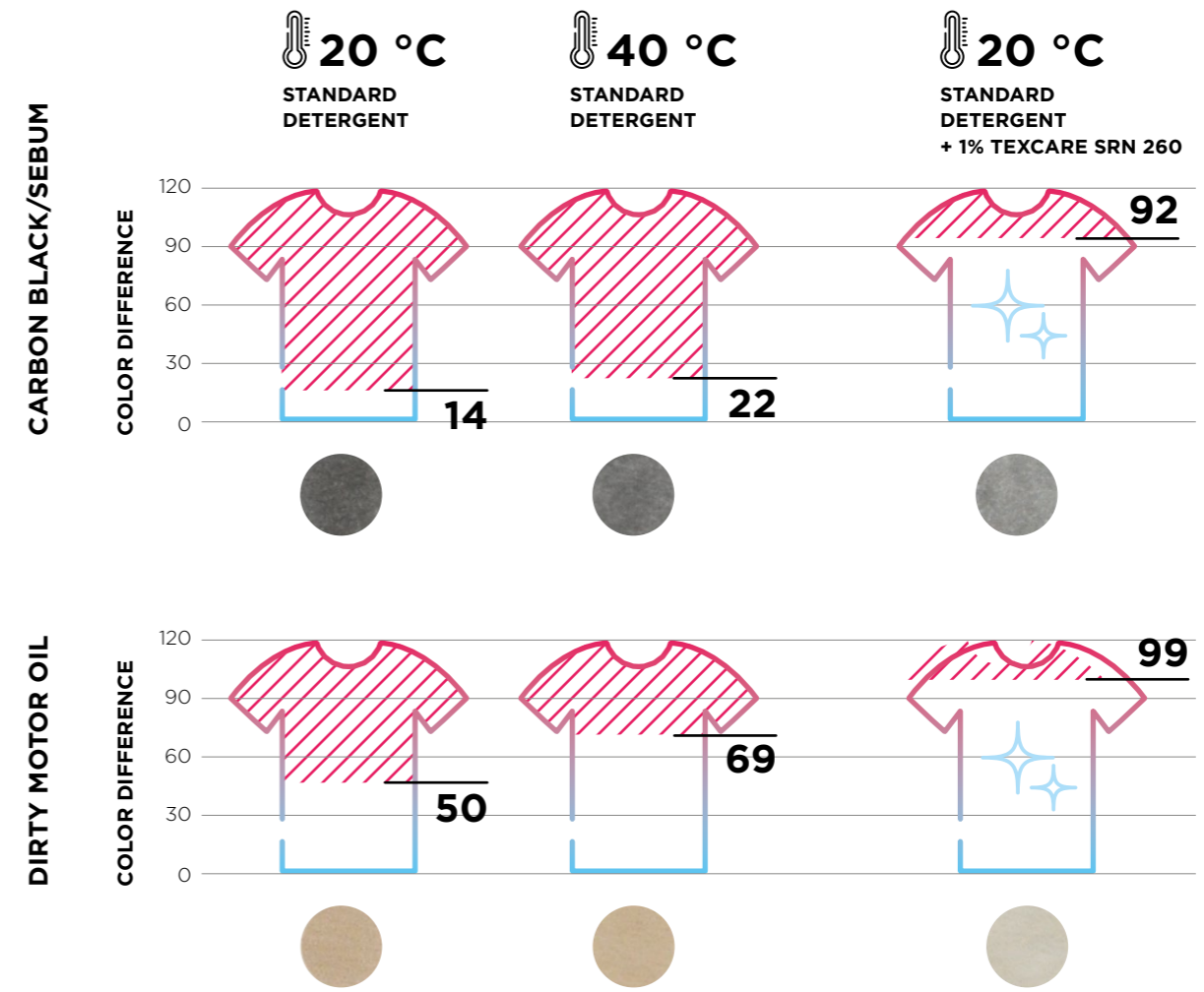


### APPLICATION

- Laundry liquid detergents
- Recommended concentration: 0.25-1%

## Soil Release Test

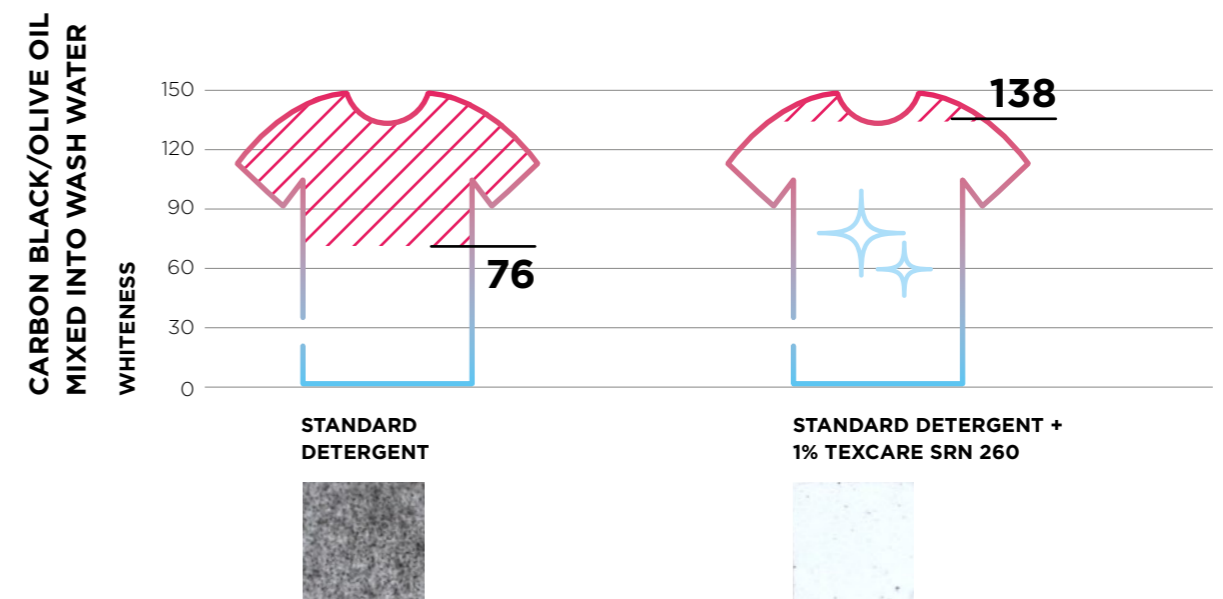
### COLORIMETRIC RESULTS



Soil release effect – all fabrics washed 3 times before soiling with the respective detergent, then soiled, then washed again with the respective detergent

## Anti-redeposition Test

### COLORIMETRIC RESULTS





## TexCare® SRA 300 F THE POWDER-COMPATIBLE POLYMER

While people in Europe and the US have come to favor liquid detergents, those in Asia and Latin America still mostly put their trust in good old washing powders. As this is no reason why they should forgo the benefits of clothes protected by our polymers, we've created SRA 300 F, which comes in granules and thus can easily be integrated into products having powder form. The effect achieved is the same:

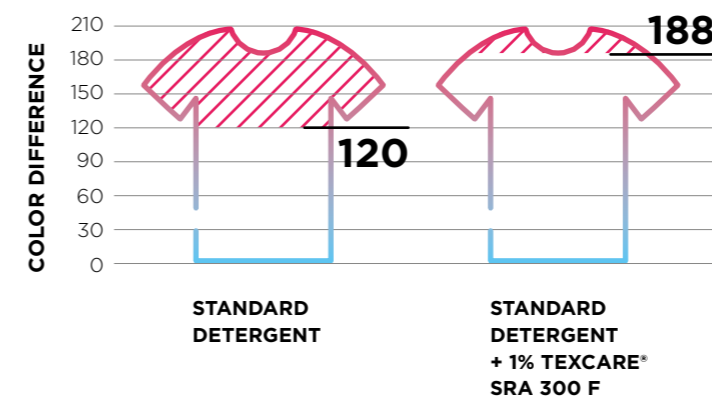
Whether integrated into laundry liquids or powders, TexCare® polymers make caring for clothes easier by shielding them from sooty and oily stains and helping to release those that do stick during washing.



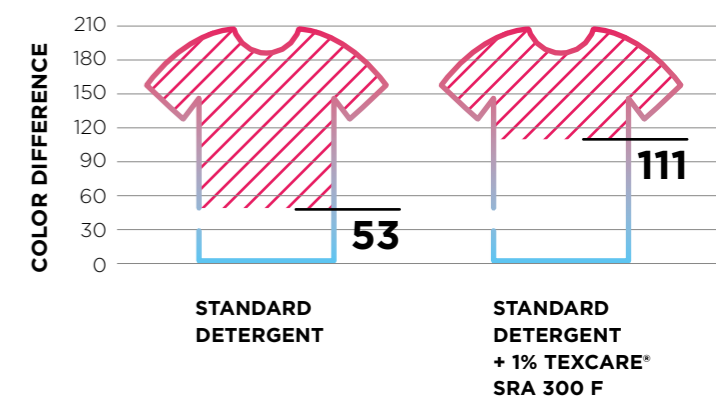
DESCRIPTION	BENEFITS	APPLICATION
<ul style="list-style-type: none"> <li>Trade name: TexCare® SRA 300 F</li> <li>Chemical name: anionic polyester</li> <li>Appearance: white granules</li> <li>Bulk density: 500-700 g/L</li> <li>Particle size: 200-1000 µm</li> </ul>	<ul style="list-style-type: none"> <li>Protects clothes by preventing soil from penetrating deep into the fabric.</li> <li>Produces soil release effect in the next wash.</li> <li>Maintains whiteness of clothes even after multiple washes.</li> <li>Specially designed for powder detergents.</li> </ul>	<ul style="list-style-type: none"> <li>Washing powders</li> <li>Recommended concentration: 0.25-1%</li> </ul>

### Soil Release TEST RESULTS

#### CARBON BLACK/SEBUM



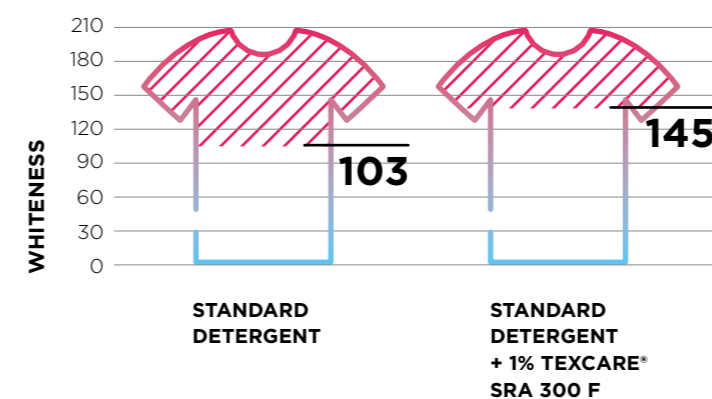
#### DIRTY MOTOR OIL



Washing machine: front loader; Detergent concentration: 5 g/L; Water hardness: 280 ppm CaCO<sub>3</sub>; Number of pre-washes: 3

### Anti-redeposition TEST RESULTS

#### CARBON BLACK/OLIVE OIL



Washing machine: modified jar test  
Detergent concentration: 1 g/L  
Water hardness: 280 ppm CaCO<sub>3</sub>

# TexCare's® Manifold Benefits MORE THAN MEETS THE EYE

There's one thing we forgot to mention: The invisible cloak created by our polymers doesn't just help to protect resources by protecting clothes, it also makes them much more comfortable to wear. This is because the polymers cover polyester fibers – which otherwise tend to be water-repellent and stuffy – with a water-loving film that allows them to absorb sweat better and improves the way they feel on the skin.

So whether we're talking about poly-usable SRN 170, pouchable SRN 172, top-performing SRN 260 or powder-compatible SRA 300 F: When adding our invisible polymer cloak to a detergent you always add many more benefits than meet the eye. Since this is exactly what we're looking for in the kind of innovative and sustainable products we like to develop, the TexCare® series has been awarded the EcoTain® label – our label for products that protect the most precious resource of all: our future.

## The EcoTain® Label

### Our Approach to Sustainability

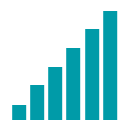
EcoTain® is our label for products excelling in sustainability and solutions showing best-in-class performance. They highlight our commitment to a sustainable future and to creating value for our customers and society as a whole.



PEOPLE



PLANET



PERFORMANCE



ECOTAIN®

ECOTAIN® — PROTECTING  
THE MOST PRECIOUS  
RESOURCE: OUR FUTURE



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