

Soltellus™ Polymer 2101L

Liquid Laundry Detergents

Soltellus™ 2101L is a high performance biodegradable polyaspartate liquid for laundry applications that prevents redeposition of soils and enhances stain removal in all conditions, including cold and hard water.

Applications

Laundry detergents, laundry boosters

Formats

Liquids, unit dose packets, powders

Benefits

Performance

- Prevents redeposition of soils to keep whites, colors, and brights vibrant
- Boosts enzyme activity for better stain removal
- Boosts anionic surfactant efficacy in hard water for better stain removal
- Works in all water conditions, including cold water to save money

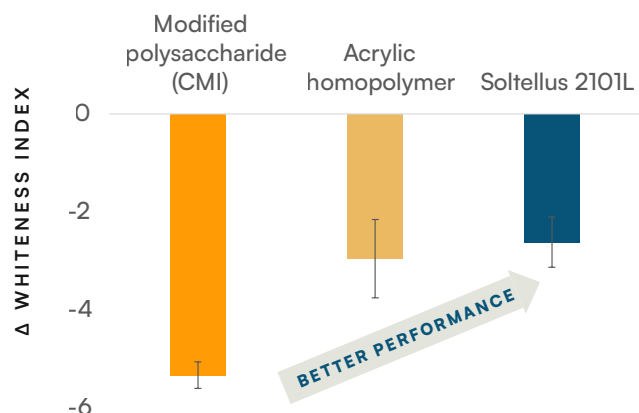
Gentle and Sustainable

- Readily biodegradable¹
- Gentle on sensitive skin
- EU Ecolabel and Safer Choice compatible
- Enables free-from acrylates and free-from phosphates claims
- Safe for septic tanks

1. OECD 301B, EU Ecolabel DID-list

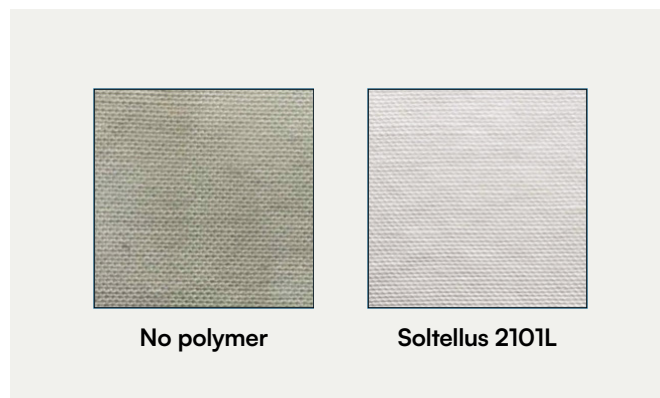
Anti-redeposition Performance

Market-leading properties



Univar Solutions Application Lab
1% active polymer; 0.65 g/L detergent, 32°C, 12min wash; 120ppm CaCO₃
Poly/cotton (65/35); dust sebum (2.5g/pot) and redart clay (0.63g/pot)
Three tergotometer wash/dry cycles; n=4

Keep whites, colors, and brights vibrant

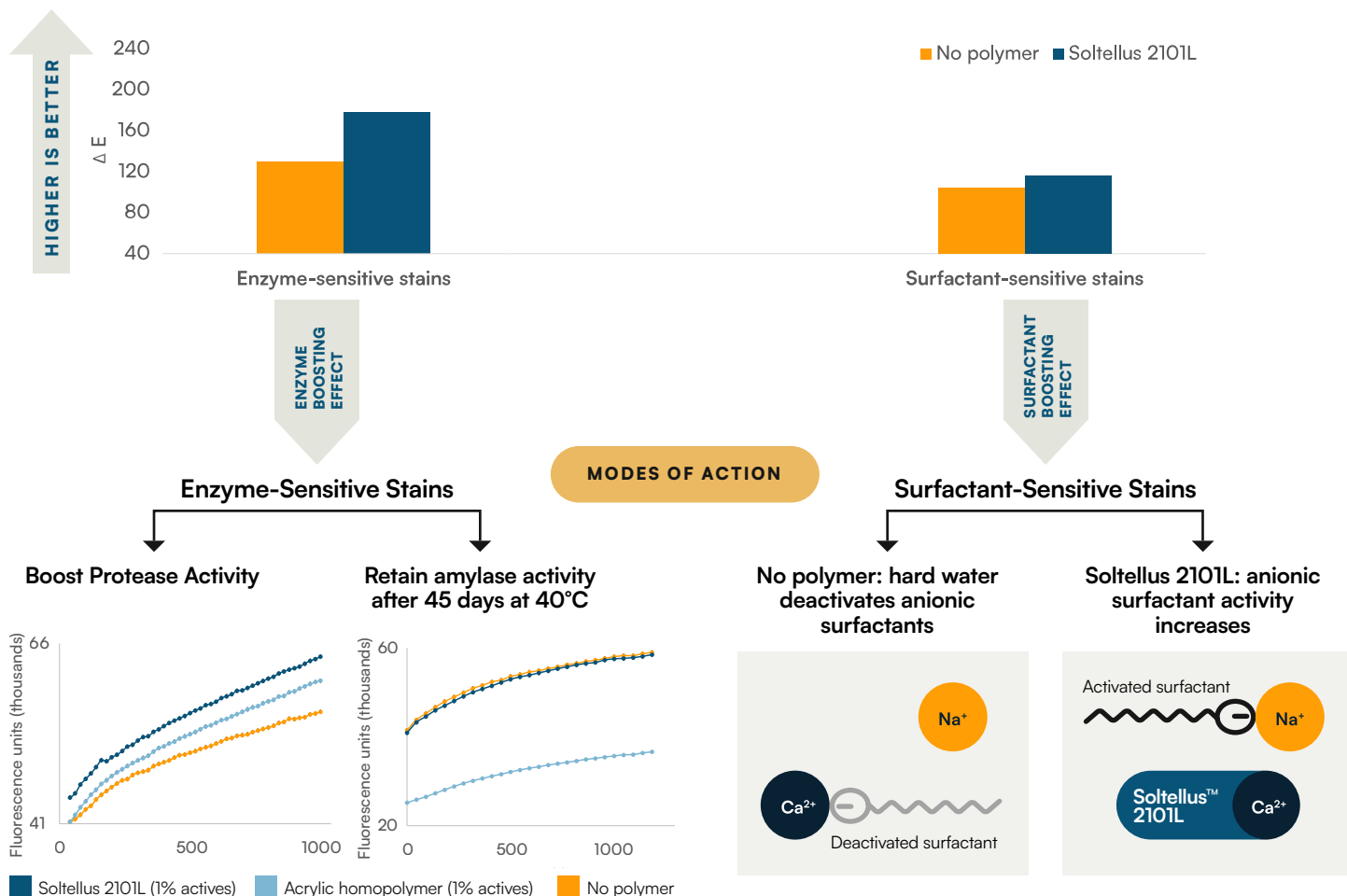


Lygos test method
1% active polymer; 300 ppm CaCO₃; 25°C
30 minutes wash cycle; 1 cycle; 200ml, 0.4 g detergent,
100% cotton; 6g 50/50 dust sebum/black clay slurry



Stain Removal Performance

Tandell Research Lab
ASTM D4265; front loader at 16°C; 300ppm CaCO₃; 2:1 Ca:Mg; 45mL detergent dose
1% active polymer; 19 common stains
Green formulation base includes SLS, laureth 6, protease, amylase, and mannanase, and other sustainable ingredients



Lygos test method, laundry detergent base, pH 8 - 8.5

Typical Properties

	Soltellus 2101L
Appearance	Transparent yellow to amber liquid
Total actives	40%
Water content	60%
Specific gravity (at 20°C)	1.2 - 1.3
pH (at 20°C)	9 - 10
Viscosity (Brookfield, ULA spindle, 25°C)	20 - 80 cPs

Formulation Guidelines

- Recommended dosage: 0.5 to 2% (as actives)
- Stable at pH 7-12
- Not recommended for use with cationic ingredients
- Additional starter formulations and guidelines are posted on lygos.com/markets/homecare

Storage and Shelf Life

- Storage: keep in a cool dry place away from humidity and direct light
- Shelf Life: 1 year from date of manufacture

