lygos.com
info@lygos.com
+1 (510) 356-0555

Soltellus™ 2101S

Superior Shine for Automatic Dishwasher Detergents

Overview

Soltellus is an anionic, multifunctional polymer produced by the polymerisation of aspartic acid. It's biodegradable with superior anti-spotting and anti-filming properties. Soltellus is compatible with enzymes and is a highly effective replacement for polyacrylate in dish detergents.

APPLICATIONS

- Automatic dishwashing detergent

BENEFITS

- Shine
- Prevents filming
- Prevents spotting
- Performs in all water hardness conditions
- Water softening

SUSTAINABLE BENEFIT

- Biodegradable
- Polyacrylate substitution

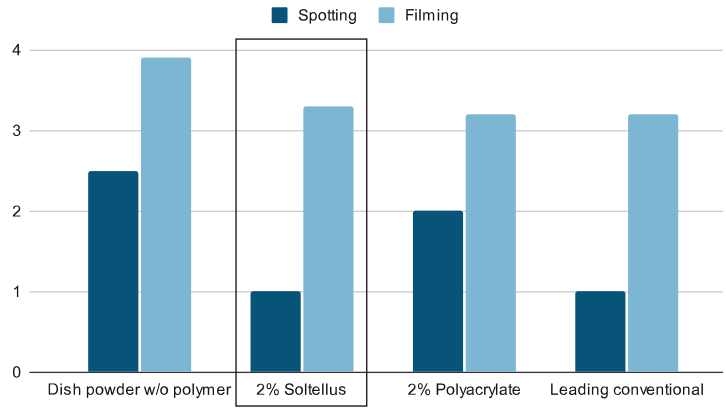
Soltellus performs at parity with the leading brand on spotting and filming in hard water

Soltellus replaces non biodegradable polyacrylate in automatic dishwasher detergent

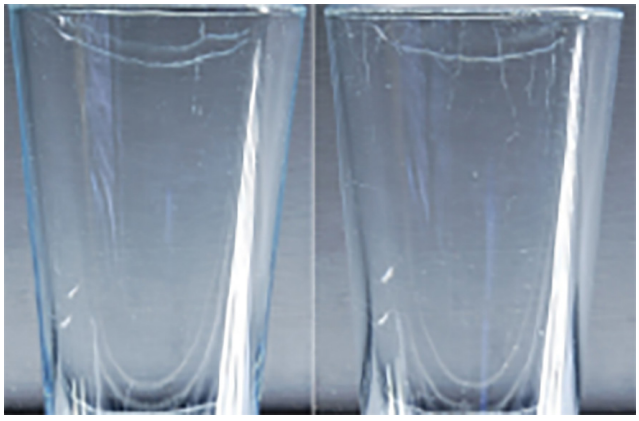
Performance

Soltellus prevents spotting and filming in dishwasher detergent in all water hardness conditions, and also performs at parity with the leading brand on spotting and filming in hard water (330 ppm $CaCO_3$).

Soltellus Performance in Hard Water



The lower the bar, the better.



Leading Conventional 2% Soltellus™

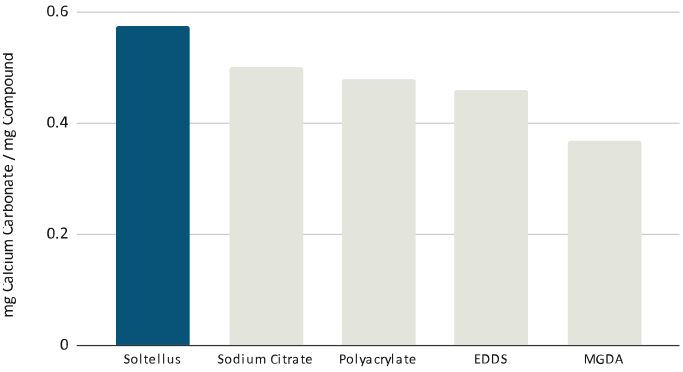
ASTM D3556-85, 2 replicates, 1-cycle, Hard water: 330 ppm $CaCO_3$, Tandell Research Lab
Spotting: 1 = no spotting, 2= Spot at random; Filming: 3.2-3.3 = slight, 4=moderate

lygos.com
info@lygos.com
+1 (510) 356-0555

IN ADDITION TO SHINE, SOLTELLUS™ POLYMER:

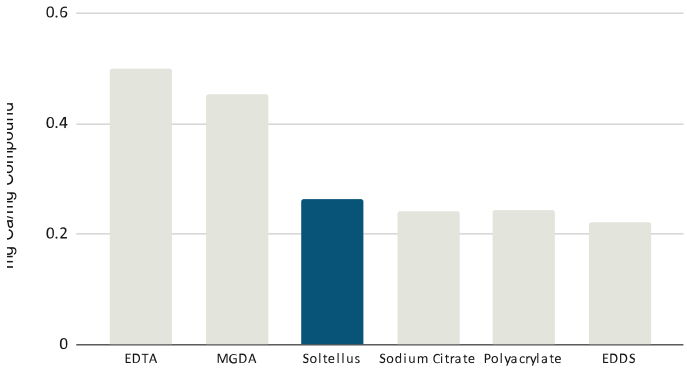
- effectively dissolves hard water minerals, preventing their deposition on glass, cutlery and china
- dissolution's power outperforms non biodegradable polyacrylate and biodegradable sequestrants
- has better calcium ion sequestering capacity than polyacrylate and most biodegradable sequestrants
- replaces non biodegradable polyacrylate in automatic dishwasher detergent

Calcium Carbonate Dissolution



13% better than Sodium Citrate
17% better than Polyacrylate
36% better than MGDA

Calcium Sequestration



7% better than Polyacrylate

Calcium carbonate dissolution: Lygos internal lab testing via turbidity measurement at pH 9. Calcium Sequestration: Lygos internal lab testing optically using a calcium ion selective electrode at pH 9. EDTA: Ethylenediamine tetracetic acid; EDDS: Ethylenediamine, disuccinic acid; MGDA: methylglycinediacetic acid trisodium salt

Available in

Soltellus™ 2101S	Sodium polyaspartate	Low Color Powder (85% actives)