

Soltellus™ Polymer 2301S/2301L

INCI: Sodium polyaspartate, CAS# 94525-01-6

Regulatory: TSCA, DSL

Soltellus™ Hard on Soils, Safe on Surfaces

Soltellus™ is a biodegradable, anionic polymer produced by the polymerisation of aspartic acid featuring multifunctional benefits suitable for a wide array of cleaners. Unlike current bathroom cleaners, Soltellus performs at neutral or alkaline pH, allowing you to design a safer cleaner for most surfaces, including granite and marble.

Soltellus removes soap scum and limescale and features dispersing, sequestering and anti-scaling properties. It performs in hard water, and works in dilute at home solutions. Soltellus is also on the EPA's safer chemical ingredients list.

Applications	Benefits	Sustainable benefit
<ul style="list-style-type: none"> Bathroom cleaners Shower cleaners Dilute at home 	<ul style="list-style-type: none"> Limescale removal Soap scum removal Compatible with neutral and alkaline formula which is safer for granite and marble surfaces Water soluble Dispersant Sequestrant Performs in all water hardness conditions 	<ul style="list-style-type: none"> Biodegradable Suitable for cold manufacturing process EPA's safer chemical ingredients list

Performance

REMOVES SOAP SCUM AND LIMESCALE

In the United States, over 85% of households have hard water, which results in scale buildup on faucets and showerheads and hard to remove soap scum in the bath and shower.

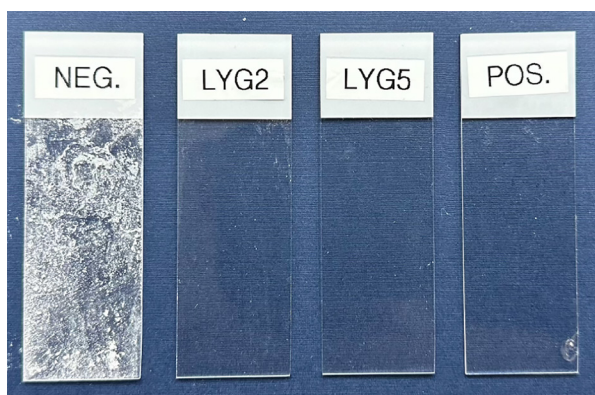
Soltellus™ is the ideal solution for bathroom cleaner:

- removes soap scum in showers, shower doors and bathtubs
- removes limescale on hard surfaces, leaving faucets, counters and shower doors clean

SAFE ON SURFACES

Most bathroom cleaners are designed with a low pH which is problematic for granite and marble countertops. Soltellus™ is effective at neutral and alkaline pH, which is safe for most surfaces.

Soap Scum



Limescale



Methodology. Soap Scum Glass slides were rinsed with a 1 M calcium oleate solution for 3 min then dried for 2 h at 70°C (3 cycles) and dipped in a shower cleaner for 2 min. Limescale Glass slides were rinsed with a 2 M calcium carbonate solution for 3 min, then dried for 2 h at 70°C (3 cycles), then dipped in a shower cleaner for 2 min. Formula containing: NEG: No polymer at pH 7, LYG 2: 1% Soltellus at pH 7, LYG 5: 1.5% Soltellus at pH 9, POS: Leading brand.

Physical and Chemical Properties

Parameter	Soltellus™ 2301L	Soltellus™ 2301S
Appearance	Amber liquid	Yellow powder
Total actives (%):	>35	>85
pH (10% solution)	8.0-11.0	6.5-10
Moisture content		<10%
Viscosity (cps)	20-60	

ECO-FRIENDLY

Biodegradable (OECD 301B)

PH STABILITY

Powder: Stable / Liquid: Stable > 7

STORAGE

Store in a closed container in a cool dry area, keep away from direct light.

Available in

Soltellus™ 2301L	Sodium polyaspartate	Low Color Liquid (35% actives)
Soltellus™ 2301S	Sodium polyaspartate	Low Color Powder (85% actives)