

Soltellus™ 2101

FORMULATION GUIDELINES

Application	Soltellus 2101S (Solid)	Soltellus 2101L (Liquid)
LAUNDRY DETERGENT		
Laundry Unit Dose	1-1.5%	2-3%
Laundry Detergent (40-50 mL)	1-2%	2-4%
Concentrated Laundry Detergent (20-25 mL)	2-4%	2-8%
Ultra Concentrated Laundry Detergent (10-15 mL)	2-8%	
AUTOMATIC DISHWASH		
Dishwasher Unit Dose (18 g)	3-5%	4-6%
CLEANERS		
Windows, Floor	0.5%	0.5-1%
All Purpose Cleaner, Bathroom	1.0%	1-2%

Color

Formula with added Soltellus remains colorless with

- Liquid: 2% Soltellus 2101L
- Powder: 2% Soltellus 2101S

Recommended pH in use

- Liquid: pH between 7-12.
- Powder: After dissolution, would be stable at least 1 week at pH 3-6 and over the shelf life at pH 7-12.

Heat Stability in Production

- Liquid: Stable at 90°F at pH 7-12 for up to 1 week.
- Powder: Stable up to 150° for 2 hours.

Formulation

- Highly Water soluble
- Cold process compatible where no heat is needed
- Add the polymer toward the end when the pH is between 7-12.

Compatibility

Soltellus is an anionic polymer, it is compatible with most ingredients but not recommended for use with cationic ingredients.

Other Considerations

Soltellus enables anionic surfactants to deliver their full potential by sequestering hard water minerals that otherwise inhibit performance. This is especially noticeable in enzymatic formulas where significant cost reduction can be achieved by reducing the amount of surfactant required in the formula. Superior performance in enzymatic liquid with only 4-8% anionic surfactants.

Storage Conditions

Powder format: Once opened, keep in a dry place away from humidity and direct light.