

FORMULATION

# Cost Savings Laundry Detergent

#### **Overview**

- Excellent performance without the cost
- Soltellus 2101S boosts enzymes and acts as a sequestrant and dispersant, allowing for the reduction of anionic surfactant
- Made with biodegradable ingredients

### Composition

	Trade Name	INCI	% w/w	Function
A		Water	q.s. to 100	
		Sodium citrate	3	Biodegradable chelant
	Soltellus 2101S (Lygos)	Sodium polyaspartate	1	Biodegradable dispersant, sequestrant, enzyme booster
		Oleic acid	0.75	Biodegradable anti-foamer
	Eco Brij L6 (Croda)	Laureth-6 (100% active)	5	Biodegradable nonionic surfactant
	Stepanol WA-Extra HP (Stepan)	Sodium Lauryl Sulfate (30% active)	13.5	Biodegradable anionic surfactant
В		NaOH or Citric acid		pH adjuster
		NaCl		Viscosity modifier
С	Add the following ingredients when the formula has cooled down (if using a heated process)			
	Liquinase Evity 3.5 L (Novonesis)	Protease	0.8	Stain removal
	Amplify Prime 100 L (Novonesis)	Amylase	0.13	Stain removal
	Mannaway 200 L (Novonesis)	Mannanase	0.02	Stain removal
	Acticide MBS (Thor)	Methylisolhiazolinone/ Benzisothiazolinone	0.5	Biodegradable preservative

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## **\$Lygos**

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

### Procedure

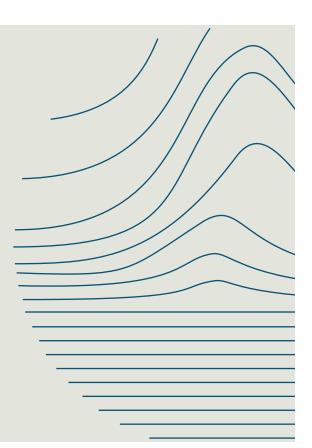
Add ingredients in the order listed, mixing until fully dissolved after each addition. Dissolve each ingredient completely before adding the next one Adjust pH to 8 with NaOH. Adjust viscosity using NaCl. Always add enzymes and the preservative when the mixture has cooled down (if you are using temperature in your process).

### **Technical Specifications**

Parameter	Value
Appearance (25°C)	Clear Liquid
pH (as is)	7.8-8.2
Viscosity (cPs)	210-280
Stability (1 Month, 40°C )	Stable
Dose	45 ml

### Performance (Stain removal)

Suggested method: ASTM D4265-14, using CFT SM-04 as the stain set



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