

SIMULSOL™ SL 4 C

A concentrated sugar-based short-chain APG

SIMULSOL™ SL 4 C, what is it?

SIMULSOL™ SL 4 C is an **alkylpolyglucoside** prepared from glucose and butanol.

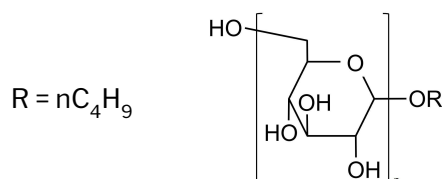
Its numerous properties like **low foaming power**, **wide range of pH compatibility**, **electrolyte resistance**, **viscosity reduction** and its safety profile with **readily biodegradability**, **low bioaccumulation potential**, **no flash nor cloud points** make it ideal for a large range of applications: **detergence**, **agro**, **drilling fluids**, **chemical synthesis** etc.

Regulatory & safety profile

- **No safety labelling required**
- **Readily biodegradable**
(anaerobic: ISO 11734 /
aerobic - read-across: OECD 301F)
- **Low bioaccumulative potential**
- **TSCA (USA)**
- Suitable for **Ecolabels**
(DID listed - Part A, 2134)
- **CEFAS on going**
- **DFE - US CleanGredients on going**

Chemical/Physical Properties

Appearance at 20°C	Limpid liquid
Colour (Gardner)	1 - 5
HLB	16.3
Solid content (%)	65 - 75
pH	5 - 7
Freezing point	less than - 20°C
Shelf-life	2 years (test for 3 years on going)



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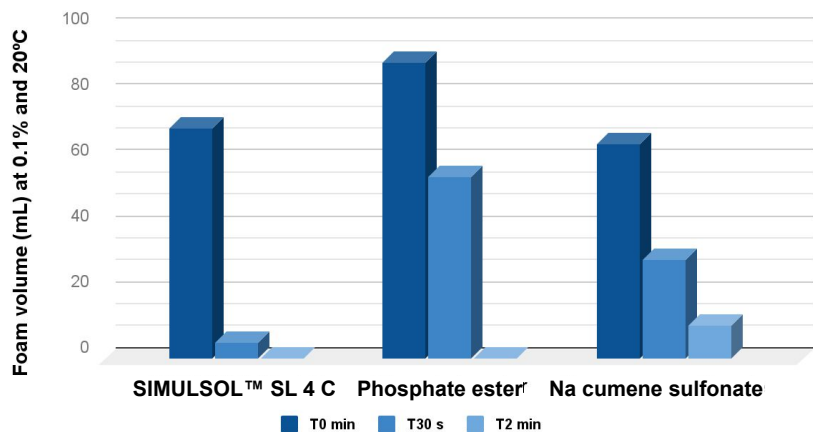
Ingredients that inspire

- *Non-ionic surfactant*
- *No safety labelling required*
- *No cloud point*
- *No flash point*
- *Stable upon heating*
- *Readily biodegradable*
- *Low bioaccumulative potential*
- *Easy to handle: liquid form*
- *Compatible with non-ionic, anionic and cationic surfactants*
- *Non foaming*
- *Suitable for highly alkaline or acidic or electrolytic media*
- *Reduces the viscosity of surfactant formulations without impacting performances*

HI&I applications...

SIMULSOL™ SL 4 C has a low foaming power, making it **ideal for mechanical cleaning processes** like **automatic dishwashers, surface washing, cleaning in place ...**

Foam volume of SIMULSOL™ SL 4 C vs benchmarks



Foaming properties have been measured using a bubbling method and expressed as the volume (in mL) of initial foam after 30 seconds and 2 minutes.

SIMULSOL™ SL 4 C has **less foaming power** than phosphate ester and sodium cumene sulfonate while having a **good compatibility with various types of surfactants.**

... and much more

SIMULSOL™ SL 4 C demonstrated benefits for other types of applications such as drilling fluids (booster of shale inhibition), chemical synthesis (transglycosylation, esterification) or agriculture. More info in the technical leaflet.

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