

### Description

**SIMULSOL™ SL 26 C** is a non-ionic and non-ethoxylated surfactant prepared from glucose and C12 - C16 fatty alcohols. It is compatible with all the other families of surfactants (anionic, cationic, amphoteric).

Alkylpolyglucosides similarity with natural compounds leads to very favourable toxicological and eco-toxicological behavior.

**SIMULSOL™ SL 26 C** is a good oil in water (O/W) emulsifier.

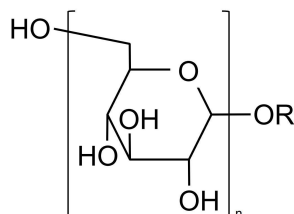


### Identity Card

Chemical/Physical Properties		Method
Appearance at 20°C	Limpid	S 52-180 C
Colour (Gardner)	Max. 5	S 52-150 C
HLB	12.0	
Solid content	50 - 54%	S 52-034 A
Surface tension at CMC	28.0 mN/m	
pH	4 - 7	NFT 73-206
Viscosity at 25°C	3000 - 15 000 cP	LV M4 V30
Pour point	5°C	
Shelf-life	5 years	
Chemical regulation compliance	TSCA Suitable for Ecolabel DID listed (Part A, 2136) MB (BVC-RSPO-1-1972708497) CEFAS (gold rated)	

Chemical formula

R = C<sub>12</sub>H<sub>25</sub> to C<sub>16</sub>H<sub>33</sub>



- *O/W emulsifier*
- *Non toxic*
- *Readily biodegradable*
- *No cloud point and not temperature sensitive*
- *Superior compatibility with strong acidic, alkaline and electrolytic systems*
- *Non-ionic surfactant*

## Features and Benefits

### 1. Large chemical pH and electrolytes stability

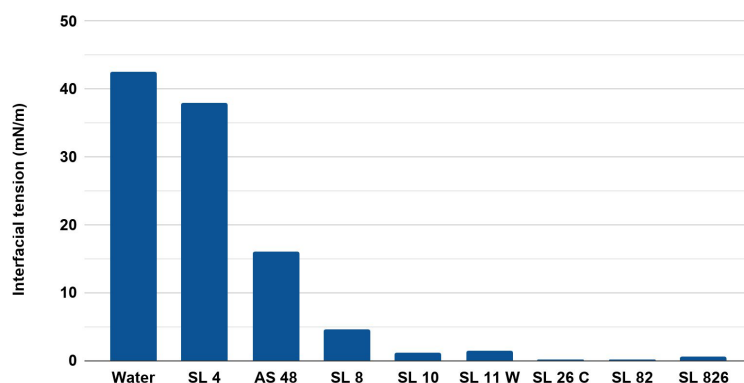
**SIMULSOL™ SL 26 C** is widely compatible with various systems:

- Concentrated electrolyte solutions.
- Strong alkaline medium, such as 10% caustic soda.
- Strong acid medium, such as 10% phosphoric acid.

### 2. Emulsifying power

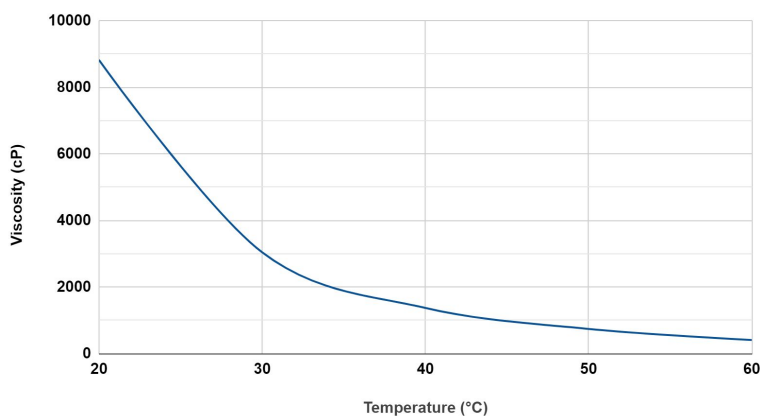
**SIMULSOL™ SL 26 C** is a potent emulsifier and generates stable oil in water (O/W) emulsions (together with **SIMULSOL™ SL 82** and **SIMULSOL™ SL 826 E**), as exemplified by the decrease of the interfacial tension between water and Exxsol D100 in the presence of various surfactants (see chart below).

Interfacial tension with SIMULSOL SL 26 C vs. other alkyl polyglucosides  
0.1% active matter in deionized water and Exxsol D100



### 3. Viscosity

Viscosity of SIMULSOL SL 26 C as a function of temperature



## Selection of Applications

- Direct emulsion polymerization, in particular polyacrylics.
- Coatings: alkyd resins.
- Oil field: emulsifying fluids for oil based drilling muds, emulsions to sweep wellbores or flowlines of deposits.

## Toxicological and Ecotoxicological Data

Owing to its similarity to natural compounds, **SIMULSOL™ SL 26 C** exhibits very good toxicological and ecotoxicological behavior.

**SIMULSOL™ SL 26 C** is readily biodegradable (71% biodegradation in sea water after 28 days, OECD 306 test).

## Instructions for use

**SIMULSOL™ SL 26 C** is supplied in liquid form and is easy to handle.

**SIMULSOL™ SL 26 C** might crystallize when stored for an extended period. Heating at 30-60°C and homogenizing will revert the product to its liquid state. This process is completely reversible.

## Packaging

- 200 kg full-opening steel drums
- 1000 kg IBC

## Properties abstract and positioning within the SIMULSOL™ Range

SIMULSOL™ Grade	SL 4	SL 7 G	SL 8 B 870	SL 10	SL 11 W	SL 26 C	SL 826 E	SL 82	AS 48
Viscosity reducer	☆☆☆								
Solubilizer/hydrotrope		☆☆☆	☆☆						☆☆
Emulsifier			☆	☆	☆	☆☆☆	☆☆	☆☆	
Detergent			☆	☆☆☆	☆☆	☆☆	☆☆	☆	☆
Degreaser			☆	☆☆	☆☆	☆☆☆	☆☆	☆☆☆	☆
Foamer - OMS water			☆☆☆	☆☆☆		☆☆	☆☆	☆	
Foamer - sea water			☆☆☆	☆☆	☆		☆☆	☆	
Foamer - brines			☆☆☆	☆			☆☆		
No-foamer	☆☆☆	☆☆☆			☆☆			☆	☆☆☆
Wetting agent - cotton				☆☆	☆☆☆	☆☆	☆	☆☆	
Wetting agent - talc			☆☆	☆☆	☆☆☆	☆	☆	☆☆	
Wetting agent - stainless steel			☆	☆☆	☆☆☆	☆☆	☆☆	☆☆☆	
Solubility in sea water / brines	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆	☆☆	☆☆☆	☆	☆☆☆

### SEPPIC S.A.

50 Boulevard National  
CS 90020  
92257 La Garenne Colombes Cedex  
France  
Tel. +33 (0)1 42 91 40 00  
info.seppic@airliquide.com

### Nota:

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