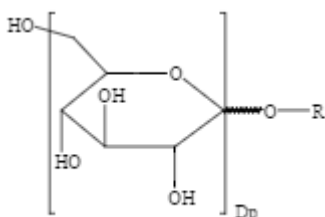


## Description

SIMULSOL™ SL 82 is a non-ionic surfactant blend prepared from glucose and fatty alcohols (Fischer's glycosylation reaction).

SIMULSOL™ SL 82 shows good degreasing and wetting performance and is stable at low temperatures. In acidic media, the product is efficient on scale.

### Chemical formula



## Identity Card

Analytical data	Specification	Method
Appearance	Limpid to opalescent	S 52 180 C
Color	0 - 5 VCS	S 52 150 C
Dry extract	52 - 57 %	S52-034A
pH	4 - 7	NFT 73 206
Viscosity 25°C	370 - 500 mPa.s	LV M3 V60
Density 20°C	1,11 g/cm <sup>3</sup>	NF EN ISO 12185

- *Blend of non-ionic surfactants*
- *Readily biodegradable*
- *Suitable for all pH and high electrolytic media*
- *Powerful degreasing and wetting properties*
- *Low foaming properties*
- *Very low CMC*

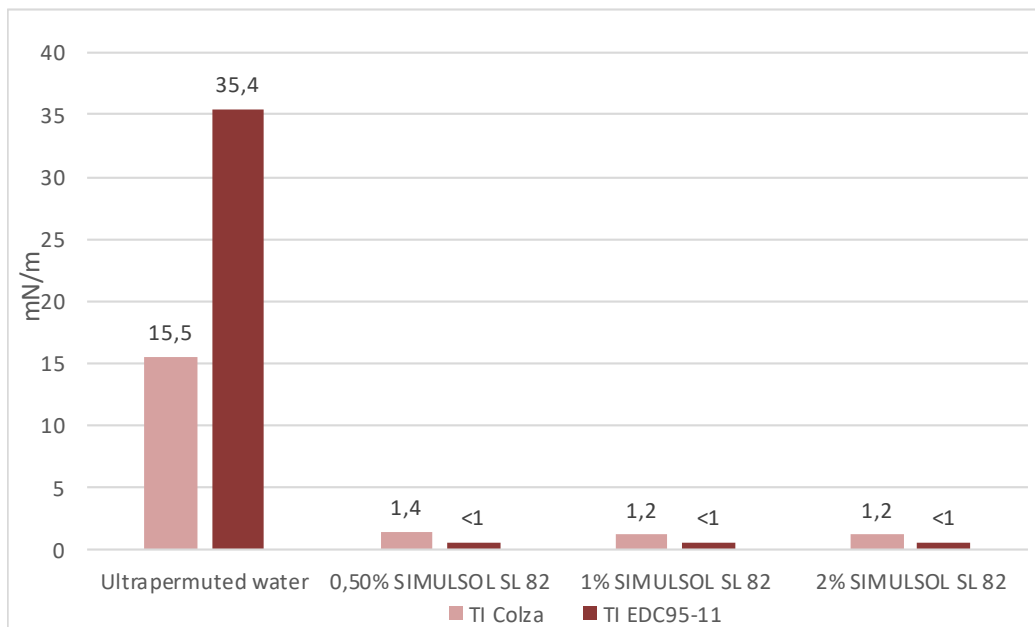
## Technical properties

### 1- Main properties

Technical data	Specification
Surface tension	27±0,5 mN/m
Wetting power at 20°C (cotton test)	22 - 30 s
Freezing point	-5°C

## 2- Interfacial tension

Interfacial tension was measured with rapeseed oil and EDC95-11 (mineral oil).



SIMULSOL™ 82 lowers interfacial tension. Typical rate is between 0.5% and 1%.

## 3- Solubility

In case of solubility problems in formulations, add SIMULSOL™ SL 7 G or Mono Propylene Glycol to solve the issue.

## 4- Stability

SIMULSOL™ SL 82 displays high stability during storage over extended time periods, even at low temperatures.

Between 5°C and 45°C, the product remains clear and fluid over one month period. The freezing point is around -5°C, and the liquid remains free-flowing during one day at this temperature. Moreover, SIMULSOL™ SL 82 is able to sustain many freeze/thaw cycles.

## Packaging and Storage

SIMULSOL™ SL 82 is available in 200 kg polyethylene drums and in 1000 kg IBCs.

## Regulatory

USA: TSCA registered, Australia: AICS registered, Canada: DSL registered, Japan: ENCS & ISHL registered, EU: REACH registered, China: IECSC registered, Korea: KECI registered, New Zealand: NZIoC registered, Taiwan: TCSI registered.

### SEPPIC S.A.

22 Terrasse Bellini  
Paris la Défense  
92806 Puteaux cedex  
France  
Tel. +33 (0)1 42 91 40 00  
info.seppic@airliquide.com

### Nota:

The analytical specifications warranted are only those mentioned on the certificate of analysis supplied with each delivery of the product. Except as set forth above, SEPPIC\* makes no warranties, whether express, implied or statutory, as to the product which is the subject of this document. Without limiting the generality of the foregoing, SEPPIC\* makes no warranty of merchantability of the product or of the fitness of the product for any particular purpose. Buyer assumes all risk and liability resulting from the use or sale of the product, whether singly or in combination with other goods. The information set forth herein is furnished free of charge and is based on technical data that SEPPIC\* believes to be reliable. It is intended for use by persons having technical skill and their own discretion and risk. Since conditions of use are outside SEPPIC\*'s control, SEPPIC\* makes no warranties, express or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.



*Air Liquide Healthcare is a world leader in medical gases, home healthcare, hygiene products and healthcare specialty ingredients. It aims to provide customers in the continuum of care from hospital to home with medical products, specialty ingredients and services that contribute to protecting vulnerable lives.*



An affiliate of