



# SOLFODAC 1834

**Technical Data Sheet No. 4031 – November 2016**

## Product Description

SOLFODAC 1834 is a surfactant blend for detergency with about 55% active matter. It is a mixture in water of following anionic surfactants:

- sodium salt of linear fatty alcohol ethoxy sulphate (SLES)
- sodium salt of linear alkyl benzene sulphonic acid (LASNa)

SOLFODAC 1834 is manufactured in Terranova dei Passerini (Lodi, Italy) plant.

CAS registry no. 68891-38-3, 68411-30-3  
 EINECS no. 500-234-8, 270-115-0

## Sales Specification

| Property                | Test Method | Unit   | Guaranteed Value <sup>1</sup> |
|-------------------------|-------------|--------|-------------------------------|
| √ Appearance at 25°C    | ASTM E284   | -      | paste                         |
| √ pH (5% active matter) | EN 1262     | -      | 7,0 – 8,0                     |
| √ Dry residue           | ASTM C566   | % mass | 55,0 – 59,0                   |

√ value reported on inspection certificate.

<sup>1</sup> specification No. 7031 rev. 1 of June 23<sup>th</sup> 2016.

## Additional Properties

| Property                                       | Test Method | Unit              | Typical Value |
|--|-------------|-------------------|---------------|
| Density at 20°C                                | ASTM D7042  | kg/m <sup>3</sup> | 1.050         |
| Dynamic Viscosity at 25°C as is                | RCM 3641    | mPa*s             | 3.50 0        |
| Composition of anionic surfactants             | -           | % active matter   |               |
| SLES   |             |                   | ≈ 34          |
| LASNa  |             |                   | ≈ 20          |
| Dynamic Viscosity at 25°C<br>in water solution | RCM 3641    | mPa*s             |               |
| 5% active matter + 3% NaCl                     |             |                   | ≈ 700         |
| 5% active matter + 4% NaCl                     |             |                   | ≈ 1.400       |

RCM are Sasol Italy analytical methods, internal or referred to international standard. Additional information available upon request.

## Main Applications

SOLFODAC 1834 is a surfactants blend ready to dilute for production of DWL formulation by addition of few components. It has a proper LES-LAS ratio to get viscosity suitable for DWL formulation using only 5% of active matter in water and NaCl as thickener.



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## Further information

**Preservative** SOLFODAC 1834 is supplied containing a small amount of preservative sufficient for transport and short term storage. If the product is stored for several weeks or months it is necessary to carry out regular check of microbial content. Furthermore careful precautions like clean sampling vessel, sterilized water for dilution, limit prolonged or too often repeated exposure to open air, etc. are necessary to maintain microbiological purity of the product.

| Property                      | Test Method  | Unit  | Typical Value |
|-------------------------------|--------------|-------|---------------|
| Total Aerobic Microbial Count | Eu.Ph. 5.1.4 | CFU/g | < 100         |
| Total Yeasts/Moulds Count     | Eu.Ph. 5.1.4 | CFU/g | < 10          |

Microbiological control test is periodically done; data given here have to be considered as typical.

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## Handling and Storage

SOLFODAC 1834 should be preferably stored in stainless steel tanks or plastic receptacles. SOLFODAC 1834 is a flowable paste that can be pumped and handled at room temperature; it is solvent free and easily soluble in water. SOLFODAC 1834 could darken if stored in improper condition like exposed to light and/or temperature above 40°C. Storage tanks must be heated with water warmed at a temperature below 50°C. The use of steam to warm up the product is absolutely prohibited. In addition contact with acids could cause hydrolysis. Shelf-life is 8 months from production date for product in its original and sealed packaging.

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## Packaging

SOLFODAC 1834 is generally supplied plastic drums, details on available packaging can be obtained from sales department.

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Data regarding safety, transport classes, toxicology and biodegradability of the product can be obtained from the corresponding material safety data sheet.

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