


sasol

SOLFODAC 1545

Technical Data Sheet No. 4032 – November 2016

Product Description

SOLFODAC 1545 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 1545 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 ¹
√ Appearance at 25°C	Visual	-	paste
√ pH (5% active matter)	MPL 1007.0	-	7,0 – 8,0
√ Dry residue	MPL 1005.0	% mass	55,0 – 59,0

√ value reported on inspection certificate.

¹ specification No. 7030 rev. 1 of March 4th 2002.

Additional Properties

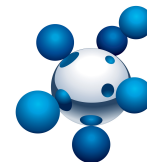
Property	Test Method	Unit	Typical Value
Density at 20°C	ASTM D7042	kg/m ³	1.050
Dynamic Viscosity at 25°C as is	RCM 3641	mPa*s	2.50 0
Composition of anionic surfactants	-	% active matter	
SLES			≈ 27
LASNa			≈ 30
Dynamic Viscosity at 25°C in water solution	RCM 3641	mPa*s	
10% active matter + 2,0% NaCl			≈ 1.200
10% active matter + 2,5% NaCl			≈ 1.800

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

Main Applications

SOLFODAC 1545 is a surfactants blend ready to dilute from 10 to 30% a.m. for production of DWL formulation by addition of few components.

Diluted at 10-20% a.m it could be used to get HDL formulation with addition of 5-8% non-ionic surfactant and 2-3% of soap.

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Further information

Preservative SOLFODAC 1545 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.

Handling and Storage

SOLFODAC 1545 should be preferably stored in stainless steel tanks or plastic receptacles.

SOLFODAC 1545 is a flowable paste that can be pumped and handled at room temperature; it is solvent free and easily soluble in water.

SOLFODAC 1545 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.

Packaging

SOLFODAC 1545 is generally supplied plastic drums, details on available packaging can be obtained from sales department.

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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