

# SOLFODAC DBL-60

Technical Data Sheet No. 4010 – December 2022

SASOL



Distribuito da:



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## Product Description

SOLFODAC DBL-60 is the sodium salt of linear alkyl benzene sulphonic acid. Linear alkyl benzene sulphonic acid is diluted with water and neutralized with sodium hydroxide up to neutral pH. It is manufactured in Terranova dei Passerini (Lodi, Italy) plant. The chemical structure is the following:



CAS registry no. 68411-30-3  
EINECS no. 270-115-0  
INCI- name SODIUM C10-13 ALKYL BENZENESULFONATE

## Sales Specification

Property	Test Method	Unit	Guaranteed Value <sup>1</sup>
√ Appearance at 25°C	ASTM E284	-	Flowable paste
√ pH (5% active matter)	EN 1262	-	7,0 – 9,0
√ Anionic active matter (MW = 343)	ASTM D3049	% mass	54,5 – 56,5
√ Unsulphonated matter (HPLC)	EN 13273	-	≤ 1,5
√ Colour (5 % active matter)	EN 1557	Klett	≤ 100
√ Sodium Sulphate	ISO 6844	% mass	≤ 0,7
√ Sodium Chloride	ASTM D4458	% mass	≤ 0,1

√ value reported on inspection certificate.

<sup>1</sup> specification No. 7040 rev. 2 of March 18<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
Flash point	ASTM D 93	°C	Not applicable as aqueous solution



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## Further information

### Heavy metal

Arsenic (As) less than 1 mg/kg	Cadmium (Cd) less than 1 mg/kg
Cobalt (Co) less than 1 mg/kg	Chromium (Cr) less than 1 mg/kg
Copper (Cu) less than 1 mg/kg	Iron (Fe) less than 5 mg/kg
Manganese (Mn) less than 1 mg/kg	Nickel (Ni) less than 1 mg/kg
Lead (Pb) less than 1 mg/kg	Tin (Sn) less than 1 mg/kg
Strontium (Sr) less than 1 mg/kg	Zinc (Zn) less than 1mg/kg

Heavy metal content is periodically checked (ICP method); data given here have to be considered as typical.

### Preservative

SOLFODAC DBL-60 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.

### Antioxidants

SOLFODAC DBL-60 does not contain any antioxidant.

### Pesticides

SOLFODAC DBL-60 does not contain any pesticide.

### Product origin

SOLFODAC DBL-60 is manufactured from following raw materials:

- Linear alkylbenzene with synthetic origin
- Sulphur with synthetic origin
- Caustic Soda with synthetic origin

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## Main Applications

In detergency SOLFODAC DBL-60 is used as high performance anionic surfactant in Heavy Duty Liquid, Heavy Duty Powder, Hand Dish Washing and Industrial Degreasing formulations.

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## Handling and Storage

SOLFODAC DBL-60 should be stored preferably in stainless steel tanks or plastic receptacles.

SOLFODAC DBL-60 must be stored at temperature below 50°C and avoid exposure to light in order to minimise hydrolysis and darkening phenomena.

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.

At room temperature SOLFODAC DBL-60 is a paste that can be pumped and water soluble.

Shelf-life is 8 months from production date for product in its original and sealed packaging.

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## Packaging

SOLFODAC DBL-60 is generally supplied in 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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