

DACPON 27-23 AL

Technical Data Sheet No. 4151 – October 2022



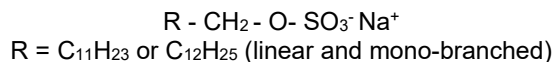
Distribuito da:



Via Bonazzi, 36
40013 Castel Maggiore (BO)
Tel: +39 051 6322111
Fax: +39 051 715380
sicurezza@tellerini.it
www.tellerini.it

Product Description

DACPON 27-23 AL is the sodium salt of LIAL 123 fatty alcohol sulphate.
It is manufactured in Terranova dei Passerini (Lodi, Italy) plant. The chemical structure is the following:



CAS registry no. 1231880-35-5
EINECS no. 931-974-3
INCI: SODIUM C12-13 ALKYL SULFATE

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	ASTM E284	-	Clear liquid
√ Anionic active matter (MW = 296)	ASTM D3049	% mass	26,0 – 28,0
√ Unsulphonated matter (*)	EN 13273	% mass	≤ 3,0
√ pH (5%) (*)	EN 1262	-	11,0 – 13,0
√ Colour (5% active matter)	EN 1557	Klett	≤ 20
√ Sodium sulphate (*)	ISO 6844	% mass	≤ 2,0

√ value reported on inspection certificate.

¹ specification No. 7100 rev. 4 of March 18th, 2016.

(*) for 100% active matter

Additional Properties

Property	Test Method	Unit	Typical Value
Pour point	ASTM D 97	°C	– 8
Viscosity at 25°C	ASTM D7042	cSt	45
Viscosity at 40°C	ASTM D7042	cSt	20
Density at 20°C	ASTM D7042	kg/m ³	1.040
Flash point	ASTM D 93	°C	> 100 not measurable as aqueous solution

**sasol**

DACPON 27-23 AL

Technical Data Sheet No. 4151 – October 2022

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 2 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

DACPON 27-23 AL does not contain any preservative. DACPON 27-23 AL is not susceptible to microbial growth because own alkaline pH. If the product is stored for several weeks or months it is suggested to carry out regular check of pH value to ensure preservation towards microorganisms.

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

DACPON 27-23 AL does not contain any antioxidant.

Pesticides

DACPON 27-23 AL does not contain any pesticide.

Product origin

DACPON 27-23 AL is manufactured from following raw materials:

- Alcohols C₁₂ – C₁₃ linear and branched with synthetic origin
- Sulphur with synthetic origin
- Caustic Soda with synthetic origin

Main Applications

DACPON 27-23 AL is used as anionic surfactant in Light Duty Liquid, Heavy Duty Liquid and Household Cleaner formulations.

In emulsion polymerization field DACPON 27-23 AL is used as anionic surfactant.



sasol

DACPON 27-23 AL

Technical Data Sheet No. 4151 – October 2022

Handling and Storage

DACPON 27-23 AL should be stored preferably in stainless steel or fibre glass tanks.

DACPON 27-23 AL must be stored at temperature below 40°C. Temperature above 45°C should be avoided, even briefly, because hydrolysis may occur with formation of sulphuric acid. 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 as well.

DACPON 27-23 AL is a clear liquid at room temperature and it can be easily pumped.

At room temperature DACPON 27-23 AL is water soluble up to an active matter of 27% weight.

Shelf-life is 12 months from production date for product in its original and sealed packaging.

Packaging

DACPON 27-23 AL is generally supplied in 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.

Sasol Italy S.p.A.

Headquarters

Viale Forlanini, 23

20134 Milano, Italy

Phone +39-02 58453 1

Fax +39-02 58453 285

Technical Customer Support

Via E. Mattei, 4

26827 Terranova dei Passerini (LO), Italy

Phone +39-0377 463 1

Fax +39-0377 463 226

Sasol is a registered trademark of Sasol Ltd. Product trademarks displayed in this document are the property of the Sasol Group of companies, except where it is clear from the context that not. Users of this document are not permitted to use these trademarks without the prior written consent of their proprietor. All rights not expressly granted are reserved. Reference to trademarks used by other companies is neither a recommendation, nor should it give the impression that products of other companies cannot be used.

The information contained in this document is based on Sasol's knowledge and experience at the time of its creation. We reserve the right to make any changes to this document or the products described therein, as a result of technological progress or developments. This information implies no liability or other legal responsibility on our part, including with regard to existing third-party patent rights. In particular, no guarantee or warranty of properties in the legal sense is implied. The customer is not exempted from the obligation to conduct careful inspection and testing of incoming products. All our business transactions are governed exclusively by our General Business Terms.