

DACLOR 70-1-23 AL

Technical Data Sheet No. 4065 – June 2022



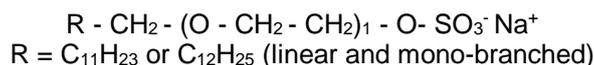
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Product Description

DACLOR 70-1-23 AL is the sodium salt of LIAL 123 fatty alcohol poly-(1)-ethoxy sulphate. It is manufactured in Terranova dei Passerini (Lodi, Italy) plant. The chemical structure is the following:



CAS registry no. 161074-79-9
EINECS no. 500-513-4

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	ASTM E284	-	flowable paste
√ Anionic active matter (MW = 339)	ASTM D3049	% mass	68,0 – 70,0
√ Unsulphonated matter (HPLC) (*)	EN 13273	% mass	2,5 – 4,0
√ pH (5% active matter)	EN 1262	-	9,5 – 11,4
√ Colour (5% active matter)	EN 1557	Klett	≤ 20
√ Dioxane (*)	RCM 1124	ppm	≤ 30
√ Sodium sulphate (*)	ISO 6844	% mass	≤ 2,0

√ value reported on inspection certificate.

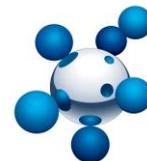
¹ specification No. 7220 rev. 5 of July 1st, 2022.

(*) for 100% active matter

Additional Properties

Property	Test Method	Unit	Typical Value
Density at 25°C	ASTM D7042	kg/m ³	1.100
Dynamic viscosity at 25°C	ASTM D2196	mPas	28.000
Flash point	ASTM D 93	°C	Not applicable as aqueous solution

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



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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 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

DACLOR 70-1-23 AL does not contain any preservative. DACLOR 70-1-23 AL is not susceptible to microbial growth because of low water content and own alkaline pH.

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

DACLOR 70-1-23 AL does not contain any antioxidant.

Pesticides

DACLOR 70-1-23 AL does not contain any pesticide.

Product origin

DACLOR 70-1-23 AL is manufactured from following raw materials:

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

Main Applications

DACLOR 70-1-23 AL is used as anionic surfactant in LAS free Hand Dish Washing, Light Duty Liquid and Heavy Duty Liquid formulations.

In emulsion polymerisation process DACLOR 70-1-23 AL is used as anionic surfactant.



SASOL

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Handling and Storage

DACLOR 70-1-23 AL should be stored preferably in stainless steel or fibre glass tanks.

DACLOR 70-1-23 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.

DACLOR 70-1-23 AL is a paste that can be pumped at room temperature.

In concentration between 28 and 65% DACLOR 70-1-23 AL forms a high viscous gel phase.

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

Packaging

DACLOR 70-1-23 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.

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