

**SASOL**

COSMACOL AES 70-2-24 ALX D

Technical Data Sheet No. 4088 – June 2022

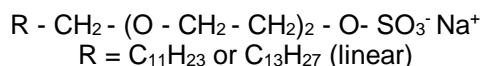
Distribuito da:

**Tellerini s.p.a.**

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

Product Description

COSMACOL AES-70-2-24 ALX D is the sodium salt of linear fatty alcohol C12-14 poly-(2)-ethoxy sulphate. It is manufactured in Terranova dei Passerini (Lodi, Italy) plant. The chemical structure is the following:



CAS registry no. 68891-38-3
 EINECS no. 500-234-8
 INCI- name Sodium Laureth Sulfate

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	Visual	-	flowable paste
√ Anionic active matter (MW = 384)	ASTM D3049	% mass	68,0 – 70,0
√ Unsulphonated matter (*)	EN 13273	% mass	≤ 4,0
√ pH (5%) (*)	EN 1262	-	9,5 – 11,4
√ Colour (5% active matter)	EN 1557	Klett	≤ 20
√ Dioxane (*)	RCM 1124	ppm	≤ 50
√ Sodium sulphate (*)	ISO 6844	% mass	≤ 2,0

√ value reported on inspection certificate.

¹ specification No. 7465 rev. 1 of July 1st, 2022.

(*) for 100% active matter

Additional Properties

Property	Test Method	Unit	Typical Value
Density at 20°C	ASTM D7042 / ASTM D4052	kg/m ³	1.100
Flash point	ASTM D 93	°C	> 100 not measureable (formation of foam)

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

**sasol**

COSMACOL AES 70-2-24 ALX D

Technical Data Sheet No. 4088 – June 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

COSMACOL AES-70-2-24 ALX D does not contain any preservative. COSMACOL AES-70-2-24 ALX D 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

COSMACOL AES-70-2-24 ALX D does not contain any antioxidant.

Pesticides

COSMACOL AES-70-2-24 ALX D does not contain any pesticide.

Product origin

COSMACOL AES-70-2-24 ALX D is manufactured from following raw materials:

- Alcohols C₁₂ and C₁₄ linear with synthetic / vegetable origin
- Ethylene oxide with synthetic origin
- Sulphur with synthetic origin
- Caustic Soda with synthetic origin

Main Applications

COSMACOL AES-70-2-24 ALX D is suitable for the production of personal care (shampoo, shower gel, liquid soaps) as well as high viscous Hand Dish Washing formulations.

COSMACOL AES-70-2-24 ALX D, due to its chemical structure, is able to increase easily the formulation viscosity in presence of a low content of electrolyte.



sasol

COSMACOL AES 70-2-24 ALX D

Technical Data Sheet No. 4088 – June 2022

Handling and Storage

COSMACOL AES-70-2-24 ALX D should be stored preferably in stainless steel or fibre glass tanks. COSMACOL AES-70-2-24 ALX D 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. COSMACOL AES-70-2-24 ALX D is a paste that can be pumped at room temperature. In concentration between 28 and 65% COSMACOL AES-70-2-24 ALX D forms a high viscous gel phase. Shelf-life is 12 months from production date for product in its original and sealed packaging.

Packaging

COSMACOL AES-70-2-24 ALX D 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.