

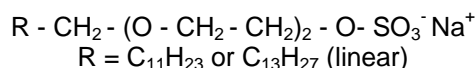


COSMACOL[®] AES-70-2-24NE

Technical Data Sheet No. 4058 – October 2011

Description

COSMACOL[®] AES-70-2-24 NE is the sodium salt of NAFOL[®] 1214 fatty alcohol poly-(2)-ethoxy sulphate. COSMACOL[®] AES-70-2-24 NE is manufactured in our plant located in Terranova dei Passerini (Lodi, Italy). Chemical structure is the following:



CAS registry no. 68891-38-3
 EINECS no. not defined, polymer
 INCI- name Sodium Laureth Sulfate

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
* Appearance at 25°C	Visual	-	flowable paste
* Active matter (MW = 384)	RCM 3826	% mass	68.0-70.0
* Free oil (HPLC) ⁺	RCM 1406	% mass	≤ 4.0
* pH (5%) ⁺	RCM 3645	-	7.0-9.0
* Colour (5% active matter)	RCM 3668	Klett	≤ 15
* Dioxane ⁺	RCM 1112	ppm	≤ 50
* Sodium sulphate ⁺	RCM 3827	% mass	≤ 2.0

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

* values referred to 100% active matter

* values reported on inspection certificate.

¹ specification No. D007455 rev. 3 of September 12th, 2007.



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Main Applications

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

Handling and Storage

COSMACOL[®] AES-70-2-24 NE should be stored preferably in stainless steel or fiber glass tanks.

COSMACOL[®] AES-70-2-24 NE must be stored at temperature below 40°C. Storage tanks must be heated with water at a temperature below 50°C.

Contact with acid matters and prolonged temperature higher than 40°C could cause hydrolysis.

COSMACOL[®] AES-70-2-24 NE is a paste that can be pumped at room temperature.

COSMACOL[®] AES-70-2-24 NE is soluble in water up to an active matter of 27 % w.

Shelf life is 12 months from the production date.

Safety and Biodegradability

COSMACOL[®] AES-70-2-24 NE has not showed acute oral toxicity in a limit test (OECD 401); its LD₅₀ is higher than 2000 mg/kg. However it is irritant for eye and skin (OECD 405).

Consequently, prolonged or repeated contact with the skin and mucosa should be prevented.

Protective clothing, neoprene gloves and anti-splash facial mask or goggles should be worn when handling this product.

COSMACOL[®] AES-70-2-24 NE is not classified as flammable substance.

COSMACOL[®] AES-70-2-24 NE is readily biodegradable.

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Packaging and Transport

COSMACOL[®] AES-70-2-24 NE is generally supplied in bulk by tank trucks or tank containers. It may also be delivered in plastic drums of 130 litres capacity or in IBC.

COSMACOL[®] AES-70-2-24 NE is not classified as hazardous substance for transport by road (ADR), by rail (RID), by air (ICAO/IATA) and by ship (IMO/IMDG).

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