

# COSMACOL PE 50

Technical Data Sheet No. 4552 – February 2023



Distribuito da:



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## Product Description

COSMACOL PE 50 is a slurry of Sodium Laureth Sulphate, Glycol Distearate, Non-ionic surfactant and Lactic ester in water. It is manufactured in Terranova dei Passerini (LO) plant.

CAS registry no. 68891-38-3, 127036-24-2, 1471312-26-1  
EINECS no. 500-234-8, 603-182-5, 939-514-3  
INCI Sodium Laureth Sulfate (and) Glycol Distearate (and) Undeceth-10 (and) C12-13 Alkyl Lactate .

## Sales Specification

| Property                  | Test Method | Unit   | Guaranteed Value <sup>1</sup> |
|---------------------------|-------------|--------|-------------------------------|
| √ Appearance at 25°C      | ASTM E284   | -      | White paste                   |
| √ pH (10% water solution) | EN 1262     | -      | 6,5 – 7,5                     |
| √ Dry residue             | ASTM C566   | % mass | 34,0 – 36,0                   |

√ value reported on inspection certificate.

<sup>1</sup> specification No. 8895 rev. Provisional specification

## Additional Properties

| Property        | Test Method                | Unit              | Typical Value                                       |
|-----------------|----------------------------|-------------------|---|
| Density at 25°C | ASTM D7042 /<br>ASTM D4052 | kg/m <sup>3</sup> | 1.030   |
| Flash point     | ASTM D 93                  | °C                | Inorganic substance or<br>mixture<br>Not applicable |

RCM and MPL 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 1 mg/kg     |

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

### Preservative

COSMACOL PE 50 is supplied containing a small amount of preservative. 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

COSMACOL PE 50 does not contain any antioxidant.

### Pesticides

COSMACOL PE 50 does not contain any pesticide.

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## Main Applications

COSMACOL PE 50 is a cold processable pearlizing agent suitable for personal care cleansing formulations. Suggested dosage is from 1 to 3 weight %.

Due to its composition COSMACOL PE 50 is a thickening and foam boosting agent.

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## Handling and Storage

COSMACOL PE 50 should preferably be stored in stainless steel or fiber glass tanks.

It is suggested to keep the product at temperature below 30°C and to protect from heating sources and direct sunlight, in addition contact with acids could cause hydrolysis of Sodium Laureth Sulphate.

Over time the product can settle generating different layers of inhomogeneous material. This is not a sign of poor product quality but it is a common feature due to raw materials.

Products that have begun to precipitate should be reconstituted by gentle heating, at about 35°C, and mixing. The temperature must not be allowed to exceed 40°C

COSMACOL PE 50 is a pumpable paste at room temperature.

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

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## Packaging

COSMACOL PE 50 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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