



COSMACOL PSE

Technical Data Sheet No. 5010 – December 2015

Product Description

COSMACOL PSE is a compound based on COSMACOL ETLP (Dimyristyl Tartrate) and on partially ethoxylated alcohols. It is manufactured in Terranova dei Passerini (LO) plant.

CAS registry no. (1) 94237-18-0; (2) 67762-27-0; (3) 106232-83-1; (4) 37311-00-5
 EINECS no. (1) 304-118-6; (2) 267-008-6; (3) 932-186-2
 INCI (1) DIMYRISTYL TARTRATE; (2) CETEARYL ALCOHOL; (3) C12-15 PARETH-7
 (4) PPG-25 LAURETH-25

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 20°C	Visual	-	White flakes
√ Drop point	RCM 3657	°C	50 – 55
√ Hydroxyl number	RCM 3851	mg KOH / g	175 – 195
√ Free Water (Karl Fischer)	RCM 3804	% mass	≤ 1,0
√ pH (O/W emulsion 2,5:97,5 wt/wt)	RCM 3645	-	5,0 – 6,5

√ value reported on inspection certificate.

¹ specification No. 8870 rev. 1 of November 19th 2002.

Additional Properties

Property	Test Method	Unit	Typical Value
Density at 70°C	ASTM D7042 / ASTM D4052	kg/m ³	883
Flash point	ASTM D 93	°C	> 125

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

**sasol**

COSMACOL PSE

Technical Data Sheet No. 5010 – December 2015

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 PSE does not contain any preservative. COSMACOL PSE is not susceptible to microbial growth because of absence water content.

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 PSE does not contain any antioxidant.

Pesticides

COSMACOL PSE does not contain any pesticide.

Product origin

COSMACOL PSE is manufactured from following raw materials:

- COSMACOL ETLTP with synthetic origin
- Cetearyl Alcohols with synthetic origin
- C12-15 Pareth-7 with synthetic origin
- PPG-25 Laureth-25 with synthetic origin

Main Applications

COSMACOL PSE is a multi-purpose base for O/W emulsion containing emulsifier system.

COSMACOL PSE is easily dispersed in water when melted at temperature higher than 50°C and allows to obtain formulation from fluid to creamy, depending on the composition of the oil phase.

COSMACOL PSE, in combination with oils at different polarity, is used to get vanishing and easy spreading properties on final formulations



SASOL

COSMACOL PSE

Technical Data Sheet No. 5010 – December 2015

Handling and Storage

It is suggested to keep COSMACOL PSE at temperature below 30°C, it is preferable to protect from heating and moisture sources in order to minimise hydrolysis phenomena.

COSMACOL PSE is a solid wax at room temperature it becomes liquid at temperature higher than 50°C.

At room temperature COSMACOL PSE is not water soluble.

Shelf-life is 24 months from production date for product in its original and sealed packaging.

Packaging

COSMACOL PSE is generally supplied in 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

This information is based on our present knowledge and experience. but it is not a guarantee of the performance of our products since the conditions of use are not under our direct control.

However, it implies no liability or other legal responsibility on our part, including any existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. All our business transactions shall be governed exclusively by our General Sales Conditions.

Sasol is a registered trademark of Sasol Ltd. Product trademarks displayed in this document are the property of the Sasol Group of Companies. 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.