

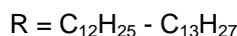
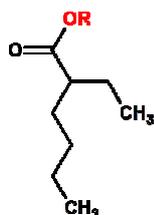
COSMACOL[®] EOI

Technical Data Sheet No. 5003 – July 2013

Product Description

COSMACOL[®] EOI is the ethylhexanoate ester of ISALCHEM[®] 123 alcohols. It is manufactured in Terranova dei Passerini (LO) plant.

Chemical structure is the following:



CAS registry no.	90411-66-8
EC no.	291-443-0
INCI name	C12-13 Alkyl Ethylhexanoate

Sales Specification

Property	Test Method	Unit	Specification ¹
√ Appearance @ 20°C	Visual	-	Clear liquid
√ Colour	RCM 3607	APHA	50 max
√ Purity as Ester	RCM 1111	wt%	90 min
√ Free Alcohol	RCM 1111	wt%	10 max
√ Acid Value	RCM 3817	mgKOH/g	3.0 max
√ Water (K.F.)	RCM 3804	wt%	0.5 max

√ values reported on inspection certificate

1 - Specification No. D008520 rev. 2 of November 19th, 2002.

Additional Properties

Property	Test Method	Unit	Typical Value
Viscosity @ 20 °C	ASTM D7042-04	mPa*s	approx. 8
Density @ 20 °C	ASTM D7042-04	g/cm ³	approx. 0.859
Pour Point	RCM 3629	°C	< -60
Flash Point	RCM 3628	°C	approx. 176
Refractive Index	RCM 3619	-	approx. 1.442
HLB required	Calculated	-	8
Iodine Number	RCM 3848	g/100g	< 1
Total Aerobic Microbial Count	Eu.Ph. 5.1.4	CFU/g	< 100
Total Yeasts/Moulds Count	Eu.Ph. 5.1.4	CFU/g	< 10

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



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Main Applications

COSMACOL[®] EOI is a light emollient that can be used as alternative to triglycerides and isopropyl myristate to improve spreadability on the skin.

Handling and Storage

It is suggested to store COSMACOL[®] EOI at temperature below 30°C and to protect from moisture and heating sources.

COSMACOL[®] EOI has a pour point lower than -20°C and therefore it can be handled without difficulty even at temperature around 0°C.

COSMACOL[®] EOI shelf life is 36 months from production date for product in its original sealed packaging.

Packaging

COSMACOL[®] EOI is supplied in 25 and 190 kg 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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