

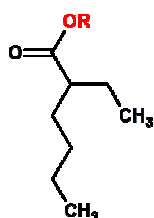
# COSMACOL<sup>®</sup> EOI

**Technical Data Sheet No. 5003 – July 2013**

## Product Description

COSMACOL<sup>®</sup> EOI is the ethylhexanoate ester of ISALCHEM<sup>®</sup> 123 alcohols. It is manufactured in Terranova dei Passerini (LO) plant.

Chemical structure is the following:



R = C<sub>12</sub>H<sub>25</sub> - C<sub>13</sub>H<sub>27</sub>

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

## Sales Specification

Property	Test Method	Unit	Specification <sup>1</sup>
√ 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 19<sup>th</sup>, 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 <sup>3</sup>	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<sup>®</sup> EOI is a light emollient that can be used as alternative to triglycerides and isopropyl myristate to improve spreadability on the skin.

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## *Handling and Storage*

It is suggested to store COSMACOL<sup>®</sup> EOI at temperature below 30°C and to protect from moisture and heating sources.

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

COSMACOL<sup>®</sup> EOI shelf life is 36 months from production date for product is in its original sealed packaging.

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## *Packaging*

COSMACOL<sup>®</sup> EOI is supplied in 25 and 190 kg 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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