

**SASOL**

Distribuito da:

**Tellerini s.p.a.**

Via Bonazzi, 36
40013 Castel Maggiore (BO)
Tel: +39 051 6322111
Fax: +39 051 715380
sicurezza@tellerini.it
www.tellerini.it

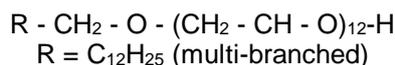
TRIDAC ISO-12-90%

Technical Data Sheet No. 1667 – June 2022

Product Description

TRIDAC ISO-12-90% is a fatty alcohol polyethyleneglycol ether, based on MARLIPAL 13 and ethylene oxide (about 12 moles) and diluted with 10 weight% water.

It is manufactured in Terranova dei Passerini (LO) plant. The chemical structure is the following:



CAS registry no. 69011-36-5
EINECS no. 931-138-8
INCI TRIDECETH-12

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	ASTM D4176	-	Clear liquid
√ Colour	EN 1557	APHA	≤ 50
√ Hydroxyl number (*)	EM 13926	mg KOH/g	75,0 – 79,0
Cloud point (1% in 10% NaCl) (*)	EN 1890	°C	54,0 – 56,0
√ pH (5%) (*)	EN 1262	-	5,0 – 7,0
√ Free Water (Karl Fischer)	ASTM E203	% mass	9,0 – 11,0

√ value reported on inspection certificate.

¹ specification No. 1985 rev. 3 of June 22th 2022.

(*) values referred to the product not diluted

Additional Properties

Property	Test Method	Unit	Typical Value
Ethylene Oxide content (*)	Calculated	%w/w	74
HLB (*)	Calculated	-	14,7
Molecular weight (*)	Calculated	g/mol	710 – 748
Pour point	ASTM D97	°C	- 3
Viscosity at 25°C	ASTM D7042	cSt	139
Viscosity at 40°C	ASTM D7042	cSt	65
Density at 25°C	ASTM D7042	Kg/m ³	1.029
Flash point	ASTM D 93	°C	Not applicable as aqueous solution



TRIDAC ISO-12-90%

Technical Data Sheet No. 1667 – June 2022

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

TRIDAC ISO-12-90% does not contain any preservative. TRIDAC ISO-12-90% is not susceptible to microbial growth because of low 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

TRIDAC ISO-12-90% does not contain any antioxidant.

Pesticides

TRIDAC ISO-12-90% does not contain any pesticide.

Product origin

TRIDAC ISO-12-90% is manufactured from following raw materials:

- Alcohols C₁₃ multi-branched with synthetic origin
- Ethylene oxide with synthetic origin

Main Applications

TRIDAC ISO-12-90% can be used as emulsifier in agrochemical applications and in emulsion polymerization.

In metal working field TRIDAC ISO-12-90% shows good dispersing properties for chip or shaving particles as well as good emulsification behaviour regarding to the most common lubricating oils used.

In cosmetic field TRIDAC ISO-12-90% can be also used as O/W emulsifier or solubilizer.



SASOL

TRIDAC ISO-12-90%

Technical Data Sheet No. 1667 – June 2022

Handling and Storage

TRIDAC ISO-12-90% should preferably be stored in stainless steel tanks.

It is suggested to keep the product at temperature below 40°C, it is preferable to avoid heating above 60°C and to store under nitrogen in order to minimise yellowish phenomena.

TRIDAC ISO-12-90% is a clear liquid at room temperature, it remains a clear liquid up to a temperature about 5 °C. At room temperature TRIDAC ISO-12-90% is water soluble up to 20 weight%.

Shelf-life is 36 months from production date for product in its original and sealed packaging.

Packaging

TRIDAC ISO-12-90% 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

Sasol is a registered trademark of Sasol Ltd. Product trademarks displayed in this document are the property of the Sasol Group of companies, except where it is clear from the context that not. 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. Reference to trademarks used by other companies is neither a recommendation, nor should it give the impression that products of other companies cannot be used.

The information contained in this document is based on Sasol's knowledge and experience at the time of its creation. We reserve the right to make any changes to this document or the products described therein, as a result of technological progress or developments. This information implies no liability or other legal responsibility on our part, including with regard to existing third-party patent rights. In particular, no guarantee or warranty of properties in the legal sense is implied. The customer is not exempted from the obligation to conduct careful inspection and testing of incoming products. All our business transactions are governed exclusively by our General Business Terms.