

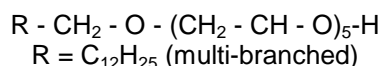


TRIDAC ISO-5

Technical Data Sheet No. 1652 – November 2015

Product Description

TRIDAC ISO-5 is a fatty alcohol polyethyleneglycol ether, based on MARLIPAL 13 and ethylene oxide (about 5 moles). 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-5

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	Visual	-	Cloudy liquid
√ Colour	MPL 1002.0	APHA	≤ 50
Physical state chngement	MPL 1001.0	°C	5 – 15
√ Cloud point (10% in BDG at 25%)	MPL 2001.0	°C	64 – 66
Hydroxyl number	MPL 1010.0	mg KOH / g	135 – 140
Molecular weight	Calculated	g/mol	400 – 416
Polyethylene glycols	MPL 2002.0	% mass	≤ 3,0
√ pH (5%)	MPL 1007.0	-	5,0 – 7,0
√ Free Water (Karl Fischer)	MPL 1006.0	% mass	≤ 0,50

√ value reported on inspection certificate.

¹ specification No. 1920 rev. 1 of June 1st 2001.

Additional Properties

Property	Test Method	Unit	Typical Value
Ethylene Oxide content	Calculated	%w/w	51
HLB	Calculated	-	10,2
Viscosity at 50°C	ASTM D445 / ASTM D7042	cSt	17
Density at 50°C	ASTM D7042 / ASTM D4052	kg/m ³	940
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.

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Main Applications

TRIDAC ISO-5 can be used as degreasing agent in leather treatment, as emulsifier for W/O emulsions in agrochemicals, detergency and industrial applications.

In metal working field TRIDAC ISO-5 shows good dispersing properties for chip or shaving particles as well as good emulsification behaviour regarding to the most common lubricating oils used.

In the detergency field TRIDAC ISO-5 is used in HDP formulations due to its high emulsification property at medium-low temperature. It is a low foaming surfactant.

Handling and Storage

TRIDAC ISO-5 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-5 is a cloudy liquid at room temperature and it becomes a solid wax at temperature lower than 15°C. Improvement of appearance and handling at low temperature can be achieved by mixing the product with 10 weight% water to obtain a clear liquid up to a temperature about 0 °C.

At room temperature TRIDAC ISO-5 is not water soluble.

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

Packaging

TRIDAC ISO-5 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.

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