



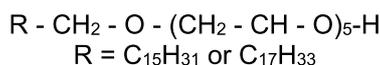
EMULGANTE CO-

Technical Data Sheet No. 2105 – March 2020

SASOL

Product Description

EMULGANTE CO-5 is a fatty alcohol polyethyleneglycol ether, based on cetyl-oleyl alcohol and ethylene oxide (about 5 moles). It is manufactured in Terranova dei Passerini (LO) plant. The chemical structure is the following:



CAS registry no. 68920-66-1
EINECS no. 931-991-6
INCI OLETH-5

Sales Specification

Property	Test Method	Unit	Guaranteed Value ¹
√ Appearance at 25°C	Visual	-	Cloudy liquid
√ Cloud point (20+100 BDG at 25%)	RCM 3646	°C	63 – 67
√ pH (5%)	RCM 3645	-	5,0 – 7,0

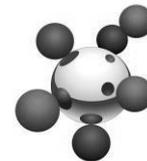
√ value reported on inspection certificate.

¹ specification No. 3023 rev. 2 of April 30th 2008.

Additional Properties

Property	Test Method	Unit	Typical Value
Ethylene Oxide content	Calculated	%w/w	45
HLB	Calculated	-	8,9
Hydroxyl number	EN 13926	mg KOH / g	120
Average Molecular weight	Calculated	g/mol	470
Pour point	ASTM D 97	°C	17
Viscosity at 50°C	ASTM D7042	cSt	19
Density at 50°C	ASTM D7042	kg/m ³	925
Flash point	ASTM D 93	°C	> 125

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



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Main Applications

EMULGANTE CO-5 is used as intermediate to produce textile auxiliaries

Due to its medium HLB value, EMULGANTE CO-5 is mainly used as emulsifier agent for W/O and O/W emulsions for mineral oil, hydrocarbons and fats for metal working and cutting fluid, often in combination with lower HLB emulsifiers like the EMULGANTE CO-2.

Handling and Storage

EMULGANTE CO-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.

EMULGANTE CO-5 is a cloudy liquid at room temperature and it becomes homogeneous and transparent at temperature higher than 40°C.

At room temperature EMULGANTE CO-5 is not water soluble.

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

Packaging

EMULGANTE CO-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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