

MARLOX 11009

Technical Data Sheet No. 2809 – January 2020



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Product Description

MARLOX 11009 is a fatty alcohol poly-glycol ether, based on LIAL 111, ethylene oxide and propylene oxide. It is manufactured in Terranova dei Passerini (LO) plant.

EINECS no. 940-634-3

Sales Specification

| Property | Test Method | Unit | Guaranteed Value ¹ |
|-----------------------------|-------------|--------|-------------------------------|
| √ Appearance at 25°C | Visual | - | Clear liquid |
| √ Colour | RCM 3668 | APHA | ≤ 100 |
| √ Cloud point (1% in water) | RCM 3646 | °C | 9 – 11 |
| √ pH (5%) | RCM 3645 | - | 4,0 – 7,0 |
| √ Free Water (Karl Fischer) | RCM 3804 | % mass | ≤ 0,50 |

√ value reported on inspection certificate.

¹ specification No. 1315 rev. 2 of September 16th 2008.

Additional Properties

| Property | Test Method | Unit | Typical Value |
|--------------------------|-------------|-------------------|---------------|
| Average Molecular weight | Calculated | g/mol | 1.120 |
| Pour point | ASTM D97 | °C | - 2 |
| Viscosity at 25°C | ASTM D7042 | cSt | 117 |
| Viscosity at 40°C | ASTM D7042 | cSt | 74 |
| Density at 25°C | ASTM D7042 | kg/m ³ | 995 |
| 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

MARLOX 11009 is a very low foaming wetting agent, used in formulations for textile processing (pre-treatment and dyeing) and textile finishing where the foam formation cannot be controlled with standard non-ionic alcohol ethoxylates.

MARLOX 11009 can be used in extreme agitated systems like e.g. in jet dyeing, due to its low foaming behaviour.

In textile field MARLOX 11009 is used as non-ionic degreaser in scouring and bleaching auxiliaries.

In detergency field MARLOX 11009 is used as low foaming surfactant in I&I formulations for floor cleaning.

Handling and Storage

MARLOX 11009 should preferably be stored in stainless steel tanks.

It is suggested to keep the product at temperature below 30°C, it is preferable to avoid heating above 50°C and to store under nitrogen in order to minimise yellowish phenomena.

MARLOX 11009 is a clear liquid at room temperature it becomes a solid wax at temperature lower than -2°C. Improvement of appearance and handling at low temperature can be achieved by mixing the product with 5 weight% water to obtain a clear liquid up to a temperature about -10 C°.

Due to its high polipropylene/polyethylene ratio MARLOX 11009 is not water soluble at room temperature.

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

Packaging

MARLOX 11009 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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