

## 78057 Marlipal® 1618/25

Chemical description: Fatty alcohol polyethylene glycol ether

### Product data (Specification):

Characteristics	Value Ranges	Method
Appearance (25°C)	flakes	visual
Color (50% w/w in isopropanol)	≤ 70 APHA	MPL 1002.0
Solidification point	45 – 49°C	MPL 1001.0
Cloud point (1% in 10% NaCl)	76 – 80°C	MPL 2001.0
Hydroxyl number	33 – 39 mg KOH/g	MPL 1010.0
Molecular weight	1440 – 1700 g/mol	Calculated
pH (5%)	5 – 7	MPL 1007.0
Water (Karl-Fisher)	≤ 0.80 % weight	MPL 1006.0
Ashes	≤ 0.20 % weight	Calculated
H.L.B.	16.6	Calculated
CMC	1 mg/l	
Surface tension	45 mN/m	

### Biodegradability:

Average biodegradability in accordance with the regulations of the German Detergents and Cleansers Law: at least 90 %.

Marlipal is usually applied at a concentration between 0.1 and 2 %. Marlipal is miscible with water in every ratio. However, highly viscous gel phases can be formed at concentrations greater than 25% which are difficult to stir and to process.

The stability of the aqueous solution is very good. Marlipal has a shelf life of about 12 months. The time which Marlipal can be stored depends on the purity of the solution and if the solution is exposed to atmospheric oxygen.