

POLYGLYKOL D31/18000 M 70

Technical Data Sheet

POLYGLYKOL D31/18000 M 70

Base oil component for industrial applications

Composition	Polyalkylene glycol (ethylene oxide/propylene oxide random copolymer), 70% active in water H(OCH ₂ CH ₂) _n (OCH ₂ CHCH ₃) _m OH n:m = 3:1
--------------------	---

Product properties ¹	
Appearance (20°C)	Clear viscous liquid
Molecular weight	12000 g/mol
Water content DIN 51777	29 - 31
pH value (14,3% w/w in water)	5.0 – 7.0
Density (50°C) ASTM D 7042	1,064 – 1,072 g/cm ³
Viscosity (40°C) ASTM D 7042	2200 – 2800 mm ² /s
Viscosity (50°C) ASTM D 7042	1400 – 2000 mm ² /s
Pour point ISO 3016	Approx. -30°C

Profile

Product properties

Polyglykol D 31/18000 M 70 is a clear neutral viscous liquid at room temperature. Polyglykol D 31/18000 M 70 is soluble in water and polar organic solvents like acetone or methanol at room temperature. Polyglykol D 31/18000 M 70 is insoluble in pure hydrocarbons. Polyglykol D 31/18000 M 70 displays a pourpoint of -30°C.

The hygroscopy of Polyglykols increase with the EO ratio in the polymer.

Publisher
Rothausstrasse 61
4132 Muttenz
Switzerland

Copyright ©
Clariant International Ltd, 2023

Contact
BU CARE CHEMICALS
www.clariant.com

Issue
March 2023

¹ These characteristics are for guidance only and not to be taken as product specifications. The tolerances are given in the product specification sheet. For further product properties, specifications, safety, and ecological data, please refer to the MSDS.

Application

Based on their physical and chemical characteristics Polyglykol D31/18000 M 70 can be used for a wide variety of applications.

Fields of industrial application:

- Water soluble, lubricating component of metal working fluids
- Thickener for water based hydraulic fluids
- Thickener for water based quenching oils
- Defoamer for food and non-food applications

Storage instructions

When stored in a cold, dry place in a closed container Polyglykol D31/18000 M 70 can be kept for at least two years.

Safety

Please see Material Safety Data Sheet before handling the material.

Publisher

Rothausstrasse 61
4132 Muttenz
Switzerland

Copyright ©

Clariant International Ltd, 2023

Contact

BU CARE CHEMICALS
www.clariant.com

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application.* Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

*For sales to customers located within the United States and Canada the following applies in addition: NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE.

© 2023 Clariant International Ltd, Rothausstrasse 61, 4132 Muttenz, Switzerland

