

# Berol R648 NG

Berol® R648 NG is a cationic surfactant consisting of alkyl polyglycol ether ammonium methyl chloride

## Specifications

Functional test	≥ 50 °C
pH	6-9 (1% in water)
Water content	39-41 %

## Characteristics

Active content	60 %
Appearance	Clear / hazy liquid at 20°C
Clear point	-17 °C
Color	≤ 9.5 Gardner
Density	1062 kg/m <sup>3</sup> at 20°C
Flash point	≥100°C
Foam Height according to Ross-Miles, 50°C, 0.05%	immediately: 32 mm after 5 min: 3 mm
Pour point	-17 °C
Surface Tension according to Du Nouÿ, 25°C, 0.1% DIN 53914	36 mN/m
Viscosity	210 mPa.s at 20°C
Wetting power according to Draves, 25°C, 0.1%	≥600 sec
Solubility: Ethanol	Soluble
Solubility: Isopropyl alcohol	Soluble
Solubility: Low aromatic solvent	Insoluble
Solubility: Water	Soluble

### Notes:

Typical Data are based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

Berol® is a registered trademark in many countries. For more information, please visit our website at [www.nouryon.com](http://www.nouryon.com).

The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a blue sans-serif font.