

Rokafenol N4

CHEMICAL NAME	Nonylphenol, ethoxylate, 3-7 EO
INCI NAME	Nonoxynol-4
CAS NUMBER	127087-87-0
FUNCTION	Emulsifier, dispersing agent
TECHNICAL REQUIREMENTS	<p>Appearance oily liquid</p> <p>Colour (Hazen units) max. 70</p> <p>pH of 1% solution 5.0 ÷ 7.0</p> <p>Cloud point (butyldiglycol/water solution), °C 31 ÷ 36</p> <p>Water content, %(m/m) max. 1</p>
GENERAL DATA	<p>Molecular weight approx. 400</p> <p>Solubility in water low, creates emulsion</p> <p>Other solvents methyl alcohol and ethyl alcohol, mineral oils</p> <p>Density at 20°C, g/ml approx. 1.02</p> <p>Odour weak, characteristic</p> <p>Biodegradability, % above 80 (OECD)</p> <p>Solidification point, °C below 0</p> <p>Hydrophilic-lipophilic balance (HLB) 8.9</p>
APPLICATION	Non-ionic surfactant used as a component of washing and cleaning agents and as an emulsifier. EU regulations limit its application to industrial cleaning, textile and leather treatment, as well as metal treatment with the use of closed-circuit systems in which the working liquid is recirculated or combusted.