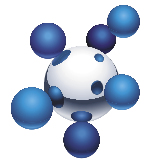


sasol
reaching new frontiers



Alkylphenols

Product range

Sasol Olefins & Surfactants

Foreword

Sasol Olefins & Surfactants alkylphenols are produced on a large scale by the acid-catalysed alkylation of phenol with olefins. Consistent product quality is guaranteed due to modern plants using longstanding processing techniques.

The alkylphenols are predominately used in the

- plastics and rubber additive industry
- lubricant and motor oil industry
- synthesis of herbicides, fungicides, flavours and antioxidants
- resin and paint industry
- production of surfactants
- production of fragrances and stabilizers

The foregoing table supplies you with various details about our current product range. Further information about each individual alkylphenol can be obtained from our product information and the safety data sheet, which we will be happy to provide.



Product range alkylphenols

Product	Formula	Molar mass [g/mol]	Appearance [at 20° C]	Colour no. [mg Pt/l]	Purity by GC EN 1557 [% by mass]
o-tert-butylphenol		C ₁₀ H ₁₄ O 150.22	liquid, clear	≤ 50	≥ 99
p-tert-butylphenol		C ₁₀ H ₁₄ O 150.22	white flakes	≤ 15 (50 % in meth. soln.)	≥ 99
2,4-di-tert-butylphenol		C ₁₄ H ₂₂ O 206.32	solid pale- coloured crystalline (tends to turn yellow)	≤ 100 melt	≥ 99
o-tert-amylphenol		C ₁₁ H ₁₆ O 164.24	liquid, clear	≤ 100	≥ 98
p-tert-amylphenol		C ₁₁ H ₁₆ O 164.24	white flakes (tends to turn yellow)	—?—	≥ 99
2,4-di-tert-amylphenol		C ₁₆ H ₂₆ O 234.4	liquid/solid (tends to turn yellow)	≤ 100	≥ 98
Octylphenol PT	 isomeric mixture	C ₁₄ H ₂₂ O 206.32	white flakes	≤ 50 melt at 90° C	≥ 99 Isomeric mono- octylphenols ≥ 90 p-(1,1,3,3-tetra- methylbutyl) phenol



Product	Formula	Molar mass [g/mol]	Appearance [at 20° C]	Colour no. [mg Pt/l]	Purity by GC EN 1557 [% by mass]
Octylphenol PT 98		$C_{14}H_{22}O$ 206.32	white flakes	≤ 50 melt at 90° C	≥ 99 Isomeric mono- octylphenols ≥ 98 p-(1,1,3,3-tetra- methylbutyl) phenol
Nonylphenol		$C_{15}H_{24}O$ 220.34	liquid, clear	≤ 50	≥ 99 Nonylphenols ≤ 10 o-nonylphenols ≥ 90 p-nonylphenols
p-nonylphenol 95		$C_{15}H_{24}O$ 220.34	liquid, clear	≤ 50	≥ 99 Nonylphenols ≤ 5 o-nonylphenols ≥ 95 p-nonylphenols
Dinonylphenol (mixtures)		equivalent weight of Nonylphenol mixture about 280	liquid, clear	≤ 5 iodine colour no. mg l/100ml	≥ 9 Nonylphenol ≤ 91 Dinonylphenol
Dinonylphenol conc.		$C_{24}H_{42}O$ 346.6	liquid, clear	≤ 5 iodine colour no. mg l/100ml	≥ 98
Dodecylphenol T (base tetrapropylene)		$C_{18}H_{30}O$ 262.4	liquid, clear	≤ 5 iodine colour no. mg l/100ml	≥ 99 Dodecylphenol of which p-alkylphenols ≥ 95 o-alkylphenols ≤ 5
p-cumylphenol		$C_{15}H_{16}O$ 212.28	white flakes	≤ 50 (50 % in meth. soln.)	≥ 99



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