

PHENOL

Fenol

C₆H₅OH

M = 94,11 g/mol

CAS: 108-95-2

WE: 203-632-7



H: 301, 311, 314, 331, 341, 373
 P: 280, 301+330+331, 305+351+338, 309, 310
 RID/ADR: 6.1, II UN: 1671



Physical and chemical properties:

Character:	solid	Density:	1,07 g/cm ³ (20°C)
Colour:	colourless	Solubility:	
Odor:	characteristic	in water:	7,6%
pH:	approx 5 (50g/l, H ₂ O, 20°C)	in organic solvents:	ethanol, diethyl ether, glicerol, chloroform, benzene
Melting point:	41°C	Critical temperature:	419°C
Boiling point:	180 - 182°C	Critical pressure:	6,13 MPa
Auto - ignition temperature:	605°C	Refractive index (41°C):	1,5418
Ignition temperature:	75°C	Viscosity (45°C):	4,036 mPa·s
Explosion limits:			
bottom:	0,3% v/v		
top:	2,4% v/v		
Vapor pressure:	0,2 hPa (20°C)		

phenol pure

CHEM*424144506

Appearance	colourless or pink crystals
Assay	min. 98,0 %
Melting point	38 - 42 °C

phenol pure p. a.

CHEM*114144507

Appearance	colourless or pink crystals
Assay	min. 99,0 %
Clarity od solution	passes test
Melting point	38 – 42 °C
Water (KF)	max. 0,5 %
Free acid	max. 0,01%
Residue on evaporation	max. 0,01 %
Chlorides (Cl)	max. 0,001 %
Iron (Fe)	max. 0,0001 %