

Preventol CMK / CMK-Na

Uses

For the preservation of aqueous coatings, knifing fillers, plaster, thickener solutions, adhesives (including pro-teín-based formulations), concrete additives, metal-working fluids, etc.

For the formulation of disinfectants.

用途:

用於水性塗料.可塑劑.溶液之增厚劑,尤其是含蛋白質基質之接著劑.水泥添加劑
金屬表面加工液.還有殺菌劑的配方

Chemical and physical data

Preventol CMK

Composition:	para-chloro-meta-cresol= 3-methyl-4-chlorophenol
Empirical formula:	C ₇ H ₇ ClO
Molar mass:	142.6
Description:	white crystalline 白色晶體 anionic

Technical data*

Assay(GC):	at least 99.0%
Melting point:	63-65 C 熔點

Characteristic data**

Density(20 C):	approx. 1.37 g/cm ³
Bulk density:	approx. 800 g/l
Vapour pressure (20 C)	0.08mbar
(100 C)	7 mbar
Boiling point:	approx.239 C
Flash point:	approx.118 C(DIN 51758)
Ignition temperature:	approx. 590 C (DIN 51794)
Solubility(20 C)	water 3.6g/l ethanol 乙醇 >500g/l toluene 甲苯 300g/l 10%NaOH solution 320g/l
pH(0.1% in water):	approx. 6.5
Stability range:	pH1-14

Preventol CMK-Na

Empirical formula: C₇H₇C₁₀.Na salt
 Molar mass: 227.6 incl.
 3.5 moles water of crystallization
 Description: flakes or finely ground
 Anionic

Technical data*

Assay(potentiometric titration): at least 71%

Characteristic data**

Density(20 C): approx. 1.36 g/cm³
 Bulk density: flakes-approx. 660 g/l,
 finely ground-approx. 500 g/l
 Vapour pressure (100 C) 0.001 mbar
 Ignition temperature: >250 C(DIN51794)
 Solubility(20 C) water 580g/l
 ethanol 2000g/l
 isopropanol 450g/l
 pH(0.1% solution): approx. 10.5-11.5
 Stability range: up to pH14

Applications

Preventol CMK and its sodium salt CMK-Na have a broad spectrum of activity. They are particularly effective against putrefactive bacteria and are therefore especially suitable for use in products which are difficult to preserve (e.g. protein - based formulations). Preventol CMK is best used pre-dissolved in an aqueous caustic soda solution or in alcohol. Preventol CMK-Na has very good water solubility so it can also be stirred directly into ready-for-use formulations.

使用:

Preventol CMK 和它的鈉鹽 CMK-Na 有廣泛的防腐力。特別是在蛋白質基的配方中。對於細菌的防腐特別有效。
 在使用時 Preventol CMK 最好先溶於鹼性水溶液中或醇類中。另 Preventol CMK-Na 有良好之水溶性。所以可以直接加入配方中。