

Chloroxylenol (PCMX)

Phenolic antimicrobial ingredient for professionally assessed preservation and disinfectant formulations.

CAS 88-04-0	EC 201-793-8	Transport Class 9 · UN 3077 · PG III
----------------	-----------------	---

Product Information

Chloroxylenol is a chlorinated phenol also called PCMX. The supplied crystal grade has a minimum assay of 98.5% and controlled xylenol-related impurities. Its limited water solubility influences the solvent and surfactant system used in a finished formulation. Selection depends on the application, compatibility, stability and permitted use in the destination market. Ingredient identity does not establish the efficacy of a finished disinfectant. Microbiological testing and the applicable product authorization remain part of formulation approval.

Specifications

Parameter	Specification
Appearance	White to off-white crystals
Assay	≥98.5 %
Melting range	113.5–116 °C
Water	≤0.5 %
Iron	≤80 ppm
Residue on ignition	≤0.1 %
3,5-Xylenol	≤0.5 %
2-Chloro-3,5-xylenol	≤0.3 %
Solution clarity	Clear; no visible particles

Typical Properties

Property	Typical Value
Molecular formula (component)	C ₈ H ₉ ClO
Molecular weight (component)	156.61 g/mol

Applications

Disinfectant formulation: Evaluate PCMX as an active ingredient in permitted disinfectant applications.

Preservation systems: Assess PCMX in preservation formulations with suitable solubilization and compatibility testing.

Industrial formulation development: Use the assay, melting range and related-impurity limits to compare incoming raw material.

Packaging / Storage

Item	Information
Packaging	Packing format and net weight are confirmed with the quotation.
Storage	Keep tightly closed in a dry, ventilated area, away from strong oxidizers; contain spills to protect waterways.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Shanghai office	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / Email	+86-21-54265599 / sales@zxchem.com.cn
Website	www.zxchem.com