

78740 Preventol® ON extra

Empirical formula: $C_{12}H_9NaO \cdot 4H_2O$

Chemical name: Sodium-2-phenylphenolate with approx. 4 moles water of crystallization

Uses

As an active ingredient for disinfectants for use in hospitals, surgeries, industry, institutions, stables and sheds.

As a preservative for the following industries: leather, glues and adhesives, cooling lubricants, paper manufacture, textile finishing.

As a preservative for whole citrus fruits.

In the wood industry to protect against the blueness of sawnwood.

Application

Used for the preservation of aqueous products such as glues, adhesive dispersions, textile print thickeners, concrete additives, filler suspensions, ceramic glazes, polishing agents, was emulsions, etc..

As a preservative for the leather industry.

Antimicrobial equipment in the textile industry.

As an active agent in disinfection agents.

For the manufacture of pigment-carrier formulations.

For the manufacture of plastic additives, e.g. thermostabilizers.

Product description:

white – pale yellow flakes

Characteristic data:*

Density:	1.3 g/cm ³	
Bulk density (flakes):	approx. 400 - 450 kg/m ³	
Vapor pressure	20°C, calc. approx. 0.0007 mbar	
	100°C approx. 1 mbar	
Solubility (20°C) in	Ethanol	2000 g/l
	Isopropanol	1500 g/l
	Water	1200 g/l (at 25°C)
pH-Value (2 % in water)	11.1 – 11.8	
Stability range	up to pH 14	
Toxicity	Not very toxic	

* Characteristic data provide further information about the product and are not subject to constant monitoring. They are therefore not binding.

Storage:

If correctly stored and kept in the original sealed package, the shelf-life from Preventol® ON extra is 2 years. The product may discolor (turn slightly red) when exposed to air, light, moisture or heat. This does not effect its effectiveness.

Application

Preventol® ON extra is the sodium salt of Preventol® O extra and can be regarded as the readily water soluble formulation of Preventol® O extra.

The AOX-free grade Preventol® O extra is distinguished by its low acute toxicity and good biodegradability. As a non-sensitizing active ingredient with only slight odor Preventol® O extra is particularly suitable for use in disinfectants and antimicrobial liquid soaps.

The halogen-free grades Preventol® O extra and Preventol® ON extra have a broad and balanced spectrum of activity against bacteria, yeasts and mould fungi.

Fields of application for Preventol® ON extra

Fields of Application	Application	Approx. value for dosage
Disinfection and detergent industry		
Disinfectant concentrates		15 - 25%
Disinfectant dilutions	Disinfection	0.12 – 0.25%
Aqueous disinfection solutions		0.50 – 3.0%
Metalworking industry		
Cooling lubricant	Preservation	0.15 – 0.30%
System purification	Disinfection	0.50 – 1.0%
Leather-Industry		
Chrome leather	Preservation	0.20 – 0.30%
Finished leather	Equipment (against mould fungi)	0.50 – 1.0% in water
Glue and Adhesive Industry		
Bone glue		0.20 – 0.40%
<u>Gelatin</u>		0.15 – 0.35%
Albuminous glue solutions	Preservation	0.35 – 0.50%
Starch glue (liquid)		0.15 – 0.30%
Starch glue (dry)		0.20 – 1.5%
Thickener (dry)		2 - 3%
<u>Cellulose</u>		
(adhesive, thickener) (liquid)		0.05 – 0.15%
Paper Industry		
Filler suspension, coating color		0.07 – 0.10%
Preparations containing casein		0.10 – 0.25%

Textile Industry

Cotton		0.5%
Wool		0.50 – 1.0%
Rope goods, belts, firehoses	Equipment (against mould fungi)	0.20 – 1.0%
Thread humectant		0.05 – 0.10%
Finish, sizing	Preservation	0.07 – 0.15%

Citrus fruit Industry

Packaging material	Equipment (against mould fungi)	0.10 – 0.20 g/m ²
Citrus fruit	Preservation of the whole fruit	0.15 – 1.3% in a dipping bath in combination with hexamethylene tetramine, in the wax emulsion

Others

Polish, wax emulsion	Preservation	0.20 – 0.30%
Ceramic glaze	Preservation	0.10 – 0.25%
Floor oils and shavings	Equipment (antimicrobial)	1.0 – 5.0%
Air filter oils		2.0 – 5.0%
Soap solutions	Preservation	0.10 – 0.20%

Precautions

When using Preventol[®] ON extra the precautions generally recommended for handling chemicals should be observed, e.g. wearing of protective gloves, safety goggles and suitable protective clothing. If the product comes into contact with the skin, the affected area should be washed immediately with large amounts of soap and plenty of water; splashes in the eyes should be rinsed out immediately with plenty of water. If irritation persists, medical attention should be obtained. Contaminated clothing should be changed at once.