

## Product Information

# Preventol® ON Extra Preservative Solution

Solution of Sodium o-phenylphenate



## Preventol® ON Extra Preservative Solution

EPA Registration No.39967-23

### Uses

Preventol® ON Extra Preservative Solution for the preservation of glues and adhesives, polymer emulsions, (coating, PVA systems and rubber), thickeners (starch, cellulose, Guar, etc.), Leather, Paper, Textiles, Dyes, Temporary Sapstain Control for Fresh Cut Lumber, Concrete Additives / Masonry, Metalworking fluids, Air Filter Oils, Starches, Clay Slurries, Printing Inks, Graphite and hard surface treatment products (Polishes, Waxes and Ceramic Glazes).

### Chemical and physical data

Active ingredient:	approx. 20 % Sodium o-phenylphenate
Product description:	clear red brown to brown solution

### Specification

The specification parameters can be found in the currently valid product specification.

### Characteristic data\*

Density:	1.072 g/cm <sup>3</sup> (68 °F / 20 °C)
Vapour pressure:	~15.0 mm Hg (68 °F / 20 °C) ~81.0 mm Hg (122 °F / 50 °C) 104.25 mm Hg (131 °F / 55 °C)
pH (2 %):	12.3
Boiling point (1013 hPa):	210 °F / 99 °C
Flash point (Closed Cup):	>212 °F / >100 °C
Autoignition Temperature:	790 °F / 376 °C
pH stability range:	1 - 14

\*These items are provided as general information only. They are approximate values and are not considered to be part of the product specifications.

## **Preventol® ON Extra Preservative Solution**

### **Storage**

Preventol® ON Extra Preservative Solution should be kept in the original sealed package. If exposed to air, product may color slightly. The color change will not affect the efficacy of the biocide. After prolonged storage time, darkening of the product may be observed. The darkening of the product does not affect the microbiological efficacy. Shelf life of Preventol® ON Extra Preservative Solution is 24 months.

### **Application**

Preventol® ON Extra Preservative Solution is a liquid formulation based on the 2-phenylphenol. Preventol® ON Extra Preservative Solution is not completely miscible with water. Though it is possible to add water up to a ratio of 1:1 with higher amounts of water there is growing risk of precipitation of the OPP due to the limited water solubility.

When cleaning residual Na-OPP from the storage tanks, pipes, pumps or valves, it is recommended that you use glycol or diluted caustic soda.

At temperature <41 °F / <5 °C , Preventol® ON Extra Preservative Solution increases in viscosity and loses it pourability. Frozen product may be re-thawed without any damage. After the material is completely liquefied, it should be stirred before use to ensure a homogeneous solution.

Frozen product may be thawed without damage. It is recommended that the material be stirred prior to using.

Preventol® ON Extra Preservative Solution unlike most biocides is a formulation with high alkaline pH. Contact LANXESS MPP NA Technical Group prior to blending Preventol® ON Extra Preservative Solution with any other biocides to confirm compatibility.

### **Material Preservation**

Preventol® ON Extra Preservative Solution can be used as a co-biocide in concrete admixtures.

Example: Enhanced protection is achieved if Preventol® ON Extra Preservative Solution is combined with a second biocide e.g. parachlorometacresol (PCMC) or Dazomet. (See EPA label for details).

In leather application, Preventol® ON Extra Preservative Solution may be stirred into pickle solutions. For chrome leather application, Preventol® ON Extra Preservative Solution should be added into the basifying solution.

Since Preventol® ON Extra Preservative Solution is an alkaline concentrate; it can be added directly into the textile process (e.g., dipping or spraying).

To obtain reliable and reproducible results, homogeneous distribution in the materials to be protected must be ensured by taking suitable measures in production (stirring, agitating, etc.).

As with any biocide, use of Preventol® ON Extra Preservative Solution in a given application must be tested (including field testing, etc.) by the user in advance to determine suitability.

## Preventol® ON Extra Preservative Solution

### Material Compatibility

Preventol® ON Extra Preservative Solution is compatible with following steels: 304, 304N, 304L, 316, 316L, European Steel No. 1.4408, 321 and 316Ti. Compatibility tests are recommended for other metallic materials. Plastic materials like PE, PP, EPDM, Teflon (PTFE) and GFK (e.g. Atac 382, Atac 580, Atac 590 and Derakane 470) are compatible and suitable for handling and storage of Preventol® ON Extra Preservative Solution.

As with any product, use of the products mentioned in this publication in a given application must be tested (including field testing, etc.) by the user in advance to determine suitability.

### Directions for use

It is a violation of Federal law to use this product in a manner inconsistent with its labelling. The following guidance is given as an approximation for each use pattern, but field-testing is recommended to achieve optimum effectiveness.

### Material Preservation

Application	Dosage Level**
Adhesives and Glues	0.2 - 5.7 %
Materials in the Building Industry Concrete Admixtures as a co-biocide (Not for use in State of CA)	0.6 - 2.8 % 0.05 - 1.7 %
Stains and Paints (Not for use in State of CA)	0.6 - 2.8 %
Leather (Not for use in State of CA)	0.3 - 2.3 %
Textiles Applications Auxiliaries	2.8 - 28.3 % 0.1 - 0.3 %
Temporary Sapstain Control for Fresh Cut Lumber and Other Lumber Fresh Cut Lumber Fruit and Vegetable Containers (Not for use in CA) Pallets (Not for use in CA) Construction Woods (Not for use in CA)	5.7 - 22.6 % 5.7 - 17.0 % 5.7 - 17.0 % 5.7 - 22.6 %
Dyes, Pigments and Filler Suspensions (Not for use in CA)	0.3 - 1.7 %
Polymer Dispersions and Emulsions (Not for use in State of CA)	0.03 - 1.7 %

## Preventol® ON Extra Preservative Solution

Application	Dosage Level**
Lubricoolants and Mineral Oil-Based Products (Not for use in State of CA)	
Mineral Oil-Based Products	
Cooling Fluids Concentrate	5.7 - 28.3 %
Ready for Use	0.3 - 1.4 %
Boring and Cutting Oils	0.3 - 1.1 %
Fuel Oils	0.1 - 0.8 %
Hydraulic Oils	0.3 - 1.4 %
Non-Mineral Oil-Based Products	
Cutting Oils	0.3 - 1.7 %
Cooling Fluids	0.3 - 1.7 %

Application	Dosage Level**
Other Applications	
Biopolymers e.g. Xanthan (Not for use in State of CA)	0.3 - 1.1 %
Fire Extinguishing Medium	0.6 - 1.7 %
Photographic Gelatins(Not for use in CA)	0.3 - 1.4 %
Tints (Not for use in CA)	0.3 - 1.1 %
Cleaning Solutions (Not for use in CA)	0.3 - 2.3 %
Wax Emulsions	0.3 - 2.3 %
Plasters	0.6 - 2.8 %
Chemical Cleaning Solutions (Not for use in CA)	0.1 - 0.8 %
Caulking Materials (Not for use in CA)	0.6 - 2.8 %
Rubber Systems (Not for use in CA)	0.1 - 5.7 %
Ceramic Glazes	0.6 - 2.8 %
Polishes	0.3 - 1.1 %
Paper Auxiliaries	0.3 - 1.7 %
Paper Slurries	0.4 - 0.6 %

\*\*For complete application and dosage information, refer to the Preventol® ON Extra Preservative Solution EPA label.

## Registration / Approval / Recommendation\*\*\*

EPA Registration No.39967-23

Up to date information on the registration status of our products can be obtained from:

**LANXESS Corporation**  
**Business Unit Material Protection Products (MPP)**  
**Regulatory Affairs**  
**111 RIDC Park West Drive**  
**Pittsburgh, PA 15275-1112**

## Preventol® ON Extra Preservative Solution

**\*\*\*Regulatory Compliance Information:** Some of the end uses of the products described in this bulletin must comply with applicable regulations, such as the FDA, NSF, USDA, and CPSC. If you have any questions on the regulatory status of these products, contact your LANXESS Corporation representative or the LANXESS Regulatory Affairs Manager in Pittsburgh, PA

## Health & Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling the LANXESS products mentioned in this publication. For materials mentioned which are not LANXESS products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be followed. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms, *e.g.*, *material safety data sheets and product labels*. Consult your LANXESS Corporation representative or contact the LANXESS Product Safety and Regulatory Affairs Department in Pittsburgh, PA.

## Precautions

Preventol® ON Extra Preservative Solution is supplied as a solution. Contact of the product with the skin and inhalation should be avoided. The precautions generally recommended for handling chemicals should be observed, *e.g.* wearing of protective clothing, safety goggles, protective gloves and dust mask. If the product comes into contact with the skin, the affected area should be washed immediately with 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. Soiled clothing should be changed at once.

**The current safety data sheet should be observed. This contains further information on labelling, transport and storage as well as information on handling, product safety, toxicity and ecology.**

**Use biocides safely. Always read the label and product information before use.**

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The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.

Note: The information contained in this bulletin is current as of the edition date. Please contact LANXESS Corporation to determine if this publication has been revised.

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