



Chemicals

Paraformaldehyde

Paraformaldehyde

Paraformaldehyde is used as a disinfectant, hardening agent and waterproofing agent. It is also used to prepare adhesives, resins and in dentistry as an antiseptic. It is also employed as a thermoplastic. In addition, it is used in the preparation of formalin fixatives for tissues or cells, particularly when the samples are subjected to fluorescence studies.

Application Focus areas:

Agricultural chemicals, paint industry, pharmaceutical & chemical industry, organic chemical syntheses, fertilizers, pharmaceuticals, printing & photography, fluorescent lights, consumer goods, cleaning products, personal care products and intermediate additives and compounds.

Applications

One of the most important uses of our paraformaldehyde solutions is as formalin fixatives for tissues or cells. Paraformaldehyde is also used as a source of formaldehyde groups in the production of many thermosetting resins, together with phenol, urea, melamine, resorcinol and other similar reagents. These resins are used as moulding powders; in the wood industry as glues for chipboard, plywood and furniture; as bonding resins for brakes, abrasives and foundry dyes; as finishing resins for paper and textiles; as driers and glossing agents for paints; as insulating varnishes for electrical parts.

Some additional typical formulations for the production of such resins starting from paraformaldehyde include dichloroethyl formal, methyl phenol, disinfectants, insecticides, pharmaceuticals such as vitamin A, embalming preparations, dyestuff and special plasticizers.

New products have been added to our extensive paraformaldehyde portfolio to ensure that we have suitable products for all customer applications. These new products are most commonly used as fixatives in cell culture studies, and are conveniently packaged in 10mL ampoules for customer convenience and to ensure product is fresh for each use.

Paraformaldehyde products

Stock No.	Description	Size
47392	Paraformaldehyde, 4% w/v aq. soln., methanol free	2 × 10 mL, 10 × 10 mL
47347	Paraformaldehyde, 8% w/v aq. soln., methanol free	2 × 10 mL, 10 × 10 mL
47317	Paraformaldehyde, 10% w/v aq. soln., methanol free	2 × 10 mL, 10 × 10 mL
43368	Paraformaldehyde, 16% w/v aq. soln., methanol free	2 × 10 mL, 10 × 10 mL
47340	Paraformaldehyde, 20% w/v aq. soln., methanol free	2 × 10 mL, 10 × 10 mL
47377	Paraformaldehyde, 32% w/v aq. soln., methanol free	2 × 10 mL, 10 × 10 mL



Find out more at: thermofisher.com/life-science-buffers

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use. © 2021 Thermo Fisher Scientific Inc. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. **12_2021**