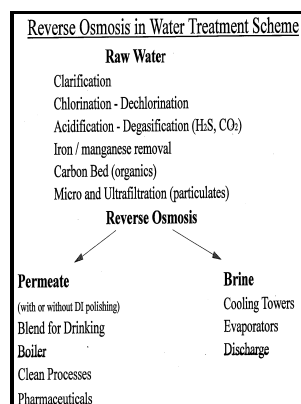


# Chemistry of water treatment

## Lewis Publishers - Treating the Public Water Supply



Description: -

-

Water quality

Water -- Purification

Chemistry of water treatment

- Chemistry of water treatment

Notes: Includes bibliographical references and index

This edition was published in 1999



Filesize: 5.42 MB

Tags: #Water #Treatment #Chemicals

### What Are Water Treatment Chemicals

United States Geological Survey, 1999. Note: The crystal structure was drawn using PowderCell for Windows, and the image was rendered using POV-Ray see.

### Water Treatment

Organic molecules, such as the dioxin a toxic byproduct of chemical bleaching and a precursor to powerful pesticides shown here, adhere to the surface of the PAC granules. Millipore, a Fisher Scientific partner, offers many lines of products to produce ultrapure water, using a combination of active charcoal membranes, and reverse osmosis filter.

### Chemistry

H<sub>2</sub>O is certainly the largest and most important component of any water source, but this molecule is hardly the only chemical present in the water supply.

### Water Treatment Chemicals

Ion-exchange devices consist of a bed of plastic polymer beads covalently bound to anion groups, such as -COO<sup>-</sup>.

### Treating the Public Water Supply

One strategy that is frequently employed to remove these solids is gravity filtration Figure 7.

### Water Treatment Chemicals

Point-of-Use Water Softeners Household water softeners Figure 10 typically use a different process from the precipitation reaction described above, known as ion exchange. For instance, precipitation generates solids in the water from particles that had been dissolved; these solids must then be removed through sedimentation or filtration. Once water has been used, it must somehow re-enter the freshwater supply.

## **Chemistry**

In this process, water containing solid impurities e.

**Chemistry of Water Treatment, 2nd Edition: Faust, Samuel D., Aly, Osman M.: 9781575040110: metrics.learnindialearn.in: Books**

In April 1993, 403,000 people in Milwaukee were ill as a result of cryptosporidium contamination of water due to spring run off.

---

## Related Books

- [Petits patrons africains - entre l'assistance et le marché](#)
- [Few green leaves](#)
- [Puglia, Abruzzo](#)
- [Cualquier camino](#)
- [Meeting Department of Health smoking cessation targets - recommendations for service providers](#)