



EVERPURE®

CHLORAMINES - FAQ

Your water supply has likely been switched to chloramines, so how does chloramine affect the foodservice operator?

What are chloramines?

A small amount of ammonia added to chlorine, forming an inorganic compound (NH₂Cl)

Like chlorine, it is a **disinfectant that makes water safe** to drink by killing organisms, bacteria and viruses

Can be used as a primary disinfectant in place of chlorine, or as a “shock” treatment

Why are municipalities switching to chloramines?

Doesn't dissipate as readily as chlorine gas, so it provides disinfection to the far ends of the municipal pipe lines and also changes to the EPA's Safe Drinking Water Act

Chlorine reacts with naturally-occurring organics to create by-products such as trihalomethanes (THM)

The EPA has added the Stage 2 Disinfectants and Disinfection Byproducts Rule which mandates that municipalities measure THM and maintain minimal ppm

Most importantly, it's a **cost-effective disinfection solution**

How do chloramines affect foodservice?

Damages many gaskets, seals and O-rings, causing them to become brittle or expand, resulting in leaks of fluids and loss of pressure

With fountain beverage it bubbles out with the CO₂ causing **odor problems**

It reacts with sweeteners to form compounds that can amplify chlorine and ammonia odors and taste

Oxidizes aromatics and oils of coffee, reducing the pH balance and causing **drinks to be sour**

In warm climates, denitrifying bacteria can metabolize chloramines, causing fouling and corrosion

Oxidizes filter membranes, making them soft

Do standard water filters remove chloramines?

NO!

You need to purchase a water treatment solution specifically developed to remove chloramines

Most chlorine reduction filters don't have enough carbon and water doesn't have enough contact time to reduce the chloramines

Where can I get water treatment products that remove chloramines?

Everpure has a wide variety of **chloramine reduction products**, even ones that may work with your current water treatment system

Contact Everpure at cseverpure@pentair.com or **800.942.1153** for more information about the chloramine reduction products that may be right for your applications

WATER QUALITY SYSTEMS

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