



March 1, 2023

Subject: Detrex Preservative Free Statement

To whom it may concern,

The term “preservative” refers to the functional name for a wide variety of natural or synthetic substances used to slow or prevent bacterial growth in products, such as foods, drugs, and cosmetics. HCl products have a very low pH, typically  $\leq 1.0$ . The vast majority of bacterial proteins become denatured at low concentrations of HCl, causing them to permanently lose their structure and cellular function. Detrex HCl products do not require or use preservatives to prevent bacterial growth and remain stable during production, packaging, and storage.

Detrex Hydrochloric Acid products are made using the HCl direct synthesis process. In this manufacturing process Detrex only uses high purity Hydrogen and Chlorine, and water. The water Detrex uses is ultra-purified on-site during production of our HCl products. The HCl product from our process is chemically pure, with very few trace impurities, and contains no preservatives of any type. Detrex does not add any products containing preservatives to our products, and substances containing preservatives are not used in the processing, packaging, or storage of our HCl products. To the best of our knowledge Detrex HCl products are preservative free.

Sincerely,

A handwritten signature in black ink that reads "Dave Morgan". The signature is written in a cursive style.

Dave Morgan  
Global Product Manager, Hydrochloric Acid  
Detrex Chemicals