

Applications

Commercial Use

Perchlorates are the salts derived from perchloric acid (HClO_4). They occur both naturally and as a by-product of manufacturing. Improper disposal of perchlorate-containing compounds are increasingly being found in groundwater and local drinking water. Where indicated a specific filter, that targets perchlorate removal should be considered.

Residential Use

Low levels of perchlorate have been detected in both drinking water and groundwater in many states in the US according to the US EPA. If elevated levels are detected, a recognized laboratory should do testing for perchlorates, and use of a perchlorate filter should be considered. Currently, there are no enforceable perchlorate safety standards. The EPA's protective health level for perchlorate in drinking water is a dose estimate of less than 1 ppb.