EVERYDAY COMPOUNDS: ALUMINIUM CHLOROHYDRATE

ALUMINIUM CHLOROHYDRATE IS AN INORGANIC POLYMER, WITH THE GENERAL FORMULA AI CI 3n-m (OH) . IT IS SYNTHETICALLY PRODUCED FROM OTHER ALUMINIUM COMPOUNDS



LINKS WITH BREAST CANCER

There is **no scientific evidence** that aluminium compounds found in antiperspirants, including aluminium chlorohydrate, can cause cancer, despite claims to the contrary.

Research has shown that only 0.012% of the aluminium contained in antiperspirants is absorbed through the skin. This is less than would be expected to be absorbed from food during the same time.

Prior to a mammogram, it is advised not to use anti-perspirant, but this is due to the fact that aluminium could show up in the mammogram and give a false positive.

SYNTHESIS

Aluminium chlorohydrate is prepared industrially by the reaction of aluminium with hydrochloric acid. Aluminium hydroxide is the main aluminiumcontaining compound usually used.