

**Chemical  
designation /  
Synonyms**

**Product description**

CaCO<sub>3</sub>  
E170  
Lime  
Carbonic lime  
Chalk  
Dolomite

Calcium carbonate is an inorganic calcium salt. It is available in different bulk weights and particle sizes. Calcium carbonate is a white powder or granular material, insoluble in water and ethanol. Calcium carbonate is available with the binding agent maltodextrin, gum Arabic or starch. In combination with a binding agent, calcium carbonate has extraordinarily good tableting properties and can therefore be easily pressed. There are two basic possibilities to obtain calcium carbonate. On the one hand calcium carbonate can be recovered from natural rock (GCC - ground calcium carbonate). On the other hand, synthetic/precipitated calcium carbonate (PCC) can be obtained by bringing about a chemical reaction.

Calcium carbonate is used, amongst other things, as a calcium source in the areas of pharmaceuticals, foods and food supplements.

Other properties and applications: antacid, abrasive cleaners in tooth care products, coated tablet excipients, indifferent carrier in powders and ointments, food colorant, mild and dried dusting powder in cosmetics.