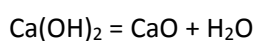


If calcium Hydroxide, Ca(OH)_2 is heated at a high temperature (microwaved)
harmful if a small amount is ingested?

Answer:

Calcium hydroxide, traditionally called slaked lime, is an inorganic compound with the chemical formula Ca(OH)_2 .

When heated to 512 °C, the partial pressure of water in equilibrium with calcium hydroxide reaches 101 kPa, which decomposes calcium hydroxide into calcium oxide and water:



In the form of dust or droplets suspended irritate mucous membranes, causing sneezing and coughing. Especially dangerous is calcium oxide (CaO), the effect of which, like the action of alkali, is the saponification of fats, the absorption of moisture from the skin, dissolving the protein tissue irritation and burning. Strong effect on the mucous eyes. In the mouth and nose of the observed surface ulceration, and sometimes perforation of nasal septum. Also suffer deep airways. Inhalation of lime dust can cause inflammation of the lungs.