

Hydrolytische Bildung von Perchlorsiloxanen

Formation of Chlorosiloxanes by Hydrolysis

Heike Quellhorst, Andreas Wilkening, Nicola Söger, Michael Binnewies*

Institut für Anorganische Chemie der Universität Hannover, Callinstr. 9, D-30167 Hannover

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During the reaction of Si_2OCl_6 with H_2O in the gas phase the intermediate $\text{Si}_2\text{OCl}_5\text{OH}$ has been observed by mass-spectrometry. Reactive intermediates like this are responsible for the formation of higher chlorosilanes by slow hydrolysis reactions of chlorosilanes and -siloxanes. Reaction products of inter- and intramolecular condensation reactions have been observed by GC-MS-methods.

* Sonderdruckanforderungen an Prof. Dr. M. Binnewies. Fax: +49 511 762 3006