

## siloxanes

Saturated silicon-oxygen hydrides with unbranched or branched chains of alternating silicon and oxygen atoms (each silicon atom is separated from its nearest silicon neighbours by single oxygen atoms). The general structure of unbranched siloxanes is  $\text{H}_3\text{Si}[\text{OSiH}_2]_n\text{OSiH}_3$ .  $\text{H}_3\text{Si}[\text{OSiH}_2]_n\text{OSiH}[\text{OSiH}_2\text{OSiH}_3]_2$  is an example of a branched siloxane. By extension hydrocarbyl derivatives are commonly included.

**See also:** silicones

**Source:**

PAC, 1995, 67, 1307 (*Glossary of class names of organic compounds and reactivity intermediates based on structure (IUPAC Recommendations 1995)*) on page 1366