

## aminoxyl radicals

Compounds having the structure  $R_2N-O\cdot \leftrightarrow R_2N^+-O^-$ ; they are radicals derived from hydroxylamines by removal of the hydrogen atom from the hydroxy group, and are in many cases isolable. The synonymous terms 'nitroxyl radicals' and 'nitroxides' erroneously suggest the presence of a nitro group; their use is not desirable. E.g.  $(ClCH_2)_2N-O\cdot$  bis(chloromethyl)aminoxyl.

**Source:**

PAC, 1995, 67, 1307 (*Glossary of class names of organic compounds and reactivity intermediates based on structure (IUPAC Recommendations 1995)*) on page 1317

**See also:**

PAC, 1993, 65, 1357 (*Revised nomenclature for radicals, ions, radical ions and related species (IUPAC Recommendations 1993)*) on page 1357