

Cover Picture

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The cover picture shows schematically the conditions for preparation and decomposition of strontium diazenides. The crystal structures of the diazenides, which were obtained as single-phase products under high N_2 pressure (up to 5500 bar), were determined by neutron diffraction. The background is provided by a section of the powder diffraction pattern of SrN_2 , and the coordination of the diazenide ions is shown top right. The N–N bond length in the diazenide ions is 122 pm in both compounds. Details of the preparation and characterization of the Sr diazenides are reported by G. Auffermann, Y. Prots, and R. Kniep on p. 547 ff.

