

**Preparation of primary diamines having a linear main chain for
polyamide syntheses**

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Abstract

The invention relates to the catalytic conversion of diols having a linear
main chain and from 4 to 31 carbon atoms into the corresponding
10 diamines. The reaction is carried out in the liquid or supercritical phase
with ammonia and/or an ammonia-liberating compound or mixtures
thereof using homogeneous ruthenium-containing complexes as
catalysts. The advantage of the invention is the production of primary
diamines in such a selectivity and purity that they are suitable for
15 polyamide syntheses.