

Preparation of 6-Aminocapronitrile

Summary

- 5 The preparation of 6-aminocapronitrile or 6-aminocapronitrile/hexamethylene diamine mixtures, in which
- a) 5-formylvaleronitrile is caused to react with ammonia and hydrogen in the presence of hydrogenation catalysts selected from the group consisting of
10 metals or metal compounds of rhenium, copper, and Group VIIIb elements, giving a hydrogenation effluent, and
- b) from the hydrogenation effluent there is isolated 6-aminocapronitrile and possibly hexamethylene diamine, provided that the hydrogenation catalyst
15 does not contain copper, nickel, or copper and nickel as sole components.

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