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PYRIDINE/PICOLINE PRODUCTION PROCESS

A process for producing pyridine or picoline compounds, comprises the steps:

- 5 (a) reacting a reactant feedstream comprising ammonia and at least one C₁₋₅ carbonyl reactant in the presence of a molecular sieve catalyst to produce a primary product stream comprising pyridine or picoline products and polyalkylpyridines;
- (b) isolating from the primary product stream a product fraction comprising pyridine or picoline products, and a polyalkylpyridine fraction comprising polyalkylpyridines; and
- 10 (c) contacting the polyalkylpyridine fraction with a molecular sieve catalyst to produce a secondary product stream comprising pyridine or picoline products, preferably by recycling the polyalkylpyridine fraction back to step (a).



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