

## Production Technology of Accelerator M

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**Abstract:** The production technology of accelerator M and the waste treatment processes are introduced. The main production technology is high pressure synthesis by using aniline as the raw material, including the batch aniline process and continuous aniline/nitrobenzene process, which have the production yields of approximately 85% and 89%, respectively. The waste hydrogen sulfide generated by the production process can be used to produce sulfuric acid or liquid sulfur. The solid waste is currently used as additive in concrete and waterproofing membrane, and is under development to produce thermoplastic resin and cross-linking agent. The wastewater is pretreated by electrolytic oxidation process and then treated by a biochemical process to meet the discharge standards.

**Keywords:** accelerator M; waste treatment; aniline process; aniline/nitrobenzene process; hydrogen sulfide

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