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(57) Abstract :
 ABSTRACT: Title: Method for Oxidative Degradation of Sulphonic Acid Dyes from Wastewater Using Ferric Perchlorate as Catalyst
 The present disclosure proposes a method for oxidative degradation of sulphonic acid dyes from wastewater using ferric perchlorate as catalyst. The method comprises a cylindrical reactor (102), an oxidant (104), a catalyst (106), a mechanical stirrer (108) and an analyzing unit (110). The method that improves the oxidation process but also simplifies the overall operational degradation process. The method that offers cost-effectiveness and wide applicability. The method that enhances the degradation of sulphonic dyes with periodate in presence of Ferric perchlorate is above 300 times much faster with high efficiency. The method that enhances the efficiency of the degradation and removal of sulphonic acid from the wastewater. The method that utilizes ferric perchlorate, a water-soluble homogeneous catalyst to achieve high-efficient degradation and removal of sulphonic acid from the wastewater.

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