

CO₂O₃CATALYSED AUTOXIDATION OF SULPHUR DIOXIDE AND INHIBITION BY RESORCINOL

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ABSTRACT

Like many other organic compounds, the aromatic and aliphatic alcohols are present in the atmosphere and therefore, looking to their possible affects autoxidation of S (IV). So following rate law has been proposed based on the observed results.

$$\frac{-d [S(IV)]}{[dt]} = \frac{(k_1+k_2[Co_2O_3]) [S(IV)]}{1 + B [Resorcinol]}$$

KEYWORDS: *Co₂O₃; Catalysis; Inhibition; Resorcinol; S (IV); Acid Rain*