

ABSTRACT OF THE DISCLOSURE

PROCESS FOR PRODUCING CYCLOHEXANONE OXIME

5 A cyclohexanone oxime is produced at a low cost by reducing a catalyst cost required for ammoximation of cyclohexanone. The cyclohexanone oxime is produced by a method including the steps of (1) subjecting cyclohexanone to ammoximation with hydrogen peroxide and ammonia in the presence
10 of a titanosilicate and a silicon compound other than the titanosilicate; and (2) calcinating the titanosilicate which has been used in the step (1), in the atmosphere of an oxygen-containing gas, wherein the titanosilicate calcinated in the step (2) is used in the step (1).