Oxidation catalyst, its preparation and oxidation using the oxidation catalyst

Abstract

In an oxidation catalyst based on a titanium or vanadium silicalite having a zeolite structure and containing from 0.01 to 20% by weight of one or more platinum metals selected from the group consisting of ruthenium, rhodium, palladium, osmium, iridium and platinum, the platinum metals are each present in at least two different bond energy states and preferably have no metal-metal bonds.