

ABSTRACT

PROCESS FOR PRODUCING HYDROXYL GROUP-CONTAINING
COMPOUND

Discloses a process for efficiently producing a hydroxyl group containing compound with a simple apparatus and simple procedures using a very small amount of a catalyst, which
5 process reduces a catalyst recovering step and a catalyst neutralization step vastly and does not require catalyst regeneration and catalyst exchange.

The process for producing a hydroxyl group containing compound comprises allowing an aqueous solution containing 1
10 ppb to 500 ppm of an acid catalyst to react with an aliphatic double bond having compound in a molar ratio (water/aliphatic double bond having compound) of water to aliphatic double bond having compound of from 1 to 50, at a reaction temperature of from 200 to 600°C under a reaction pressure of from 1 to 100
15 MPa and thereby conducting hydration reaction of the aliphatic double bond containing compound with water.

(FIG. 1)