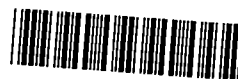


**ABSTRACT****A PROCESS TO PRODUCE POLYOLS**

- 5 A process for producing oleochemical polyols comprises the steps of epoxidizing unsaturated oil using an organic acid together with oxygenated water or a per-acid to obtain epoxidized oil; washing the epoxidized oil with salt water to remove unused organic acid together with oxygenated water or a per-acid; neutralizing acidic condition of the washed epoxidized oil with a base; washing the neutralized
- 10 epoxidized oil with a salt solution until the pH of the neutralized epoxidized oil reaching 6.5 to 7.5 to removed the base residue; drying the washed neutralized epoxidized oil under vacuum; and reacting the washed neutralized dried epoxidized oil with polyhydric alcohol in the presence of boron trifluoride-diethylether complex to produce the oleochemical polyols. The oleochemical polyols are then subjected to
- 15 the same washing, neutralizing, washing and drying process as in preparing the washed neutralized dried epoxidized oil.



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