

PROCESS FOR MAKING ALKALINE EARTH METAL BORATED
SULFONATES

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ABSTRACT OF THE DISCLOSURE

An improved process for preparing an alkaline earth metal borated sulfonate comprising reacting a mixture of the following materials(A) (1) at least one of an oil soluble sulfonic acid or alkaline earth sulfonate salt or mixtures thereof
10 (2) at least one source of an alkaline earth metal; and (3) at least one source of boron, in the presence of a mixture of comprising (4) at least one hydrocarbon solvent; and (5) at least one low molecular weight alcohol; and (6) from 0 to less than 10 mole percent, relative to the source of boron, of an overbasing acid, other than the source of boron; and (B) heating the reaction
15 product of (A) to a temperature above the distillation temperatures of (4) and (5) to distill (4), (5) and water of reaction, wherein no additional water is added in the process.