

PROCESS FOR MANUFACTURING
ALKYLPHOSPHONATE MONOESTERS

ABSTRACT

The present invention discloses a process for manufacturing an alkylphosphonate monoester. The process may comprise partially hydrolyzing an alkyl phosphonate diester with an alkaline compound in a first solvent to provide a reaction mixture, wherein the first solvent comprises a mixture of an alcohol and water. The reaction mixture may be diluted with a second solvent to provide an organic phase, wherein the second solvent comprises at least one non-polar organic solvent. The process may comprise acidifying the reaction mixture with an acid, wherein the organic phase includes an alkylphosphonate monoester.

No suitable figure.