CLAIMS

1. A process for preparing a sulfurised calcium phenate detergent having a reduced content of unsulfurised alkyl-substituted phenol comprising the steps of:

   (A) providing, made from an unsulfurised alkyl-substituted phenol, a sulfurised calcium phenate detergent that, optionally, may have been further reacted with carbon dioxide;

   (B) adding to the detergent from 1 to 100 mass %, based on the mass of the detergent , of an alkanol that has a boiling point of above $^{100°C}$ and below the boiling of the unsulfurised alkyl-substituted phenol; and

   (C) distilling the alkanol from the detergent thereby to reduce the content of the unsulfurised alkyl-substituted phenol.

2. The process of claim 1, wherein the mass % of the alkanol added to the detergent is 5 to 40.

3. The process of claim 1, wherein the mass % of the alkanol added to the detergent is 5 to 30

4. The process of claims 1-3 where the alkanol is miscible with the sulfurised calcium phenate detergent.

5. The process of claims 1-3 where the alkanol is isodecanol.

6. The process of claims 1-3 where the alkylphenol is tetrapropenylphenol.

7. The process of claims 1-3 where steps (B) and (C) are carried out in a sequence of repeated steps.

8. The process of claims 1-3 where step (B) and (C) are each carried out singly.

9. The process of claims 1-3 where phenolic functional groups in the product of step (C) are oxyalkylated.

10. The process of claim 9 where oxyalkylation is carried out by reaction with ethylene carbonated, propylene carbonate or butylene carbonate.