

UNSULFURIZED, ALKALI METAL-FREE, ADDITIVE FOR LUBRICATING OILS**ABSTRACT**

5 An unsulfurized, alkali metal-free, detergent-dispersant composition having
from 40% to 60% alkylphenol, from 10% to 40% alkaline earth alkylphenate,
and from 20% to 40% alkaline earth single aromatic-ring alkylsalicylate. This
composition may have an alkaline earth double aromatic-ring alkylsalicylate
as long as the mole ratio of single-ring alkylsalicylate to double aromatic-ring
10 alkylsalicylate is at least 8:1. This composition may be produced by the three-
step process involving neutralization of alkylphenols, carboxylation of the
resulting alkylphenate, and filtration of the product of the carboxylation step.

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