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6 Sep 62 [13] p. 26 refs.
Order from: OTS or SLA \$1.60

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DESCRIPTORS: Synthesis, *Urea, *Phenolic resins,
*Urea-formaldehyde resins, Fractionation, Physical
properties, Condensation reactions, Reaction kinetics,
Mechanical properties.

(Materials--Plastics, TT, v. 10, no. 1)

63-10826

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<p>Petrov, G. S., Danilovich, A. I., and Rabinovich, A. Yu. OXIDATION OF MINERAL OILS WITH SOLUBLE CATALYSTS. [1961] 8p. Order from CTS or SLA \$1.10</p> <p>Trans. of Khimicheskii Institut im[eni] L. Ya. Karpova, Trudy (USSR) 1927, p. 157-168.</p> <p>DESCRIPTORS: *Mineral oils, Oxidation, *Catalysts, Zinc compounds, Lead compounds, Copper compounds, Manganese compounds, Naphthyl radicals, Salts.</p> <p>Solar oil distillate treated with 18% fuming sulfuric acid (without, however, completely removing the unsaturated) and washed to complete elimination of alkaline salts underwent a more extensive oxidation in the presence of manganese naphthenate than in the presence of naphthenates of zinc, lead and copper under identical conditions. (over)</p>	<p>61-18133</p> <p>I. Petrov, G. S. II. Danilovich, A. I. III. Rabinovich, A. Yu.</p> <p>228017</p> <p>Office of Technical Services</p>
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Sulfuric acid, Cobalt catalysts.

Experiments of oxidation of vaseline oil and solar oil in
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several non-catalytic experiments. Lead brought about
a more vigorous oxidation than iron or zinc at temper-
atures above 250°. Solar oil is much more stable
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by the presence in the former of resinous substances
(Chemistry--Organic, TT, v. 9, no. 11) (over)

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<p>Trans. of moso. Poluchenie Otlivok iz Vysokoprochnogo Chuguna (Production of High-Strength Iron Castings) pub. by Akademiya Nauk SSSR, 1955, p. 192-199.</p>	
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DESCRIPTORS: PETN, Phosphites, Synthesis
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DESCRIPTOR: Esterification, Synthesis (Chem-
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