

GAS CHROMATOGRAPHY ABSTRACTING SERVICE

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PATH OF PARTIAL HYDROGENATION OF o-, m-, AND p-TERPHENYL

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The partial hydrogenation of o-, m-, and p-terphenyl, using high pressures and temperatures with copper chromite and nickel as catalysts, was investigated. Reaction prods. were analyzed by GC and these data are summarized for each isomer in Tables I, II, and III, p. 384-85.

Instrument: Wilkens Model A-350B Detector: -- Col. L/d.: 6-ft. x 0.25-in.
Stat. ph./concn.: (1) 15% Craig polyester succinate; (2) 15% Apiezon L;

(3) 15% polyphenyl ether OS-138

Support: (1 and 3) Chromosorb P, 30-60 mesh; (2) Chromosorb W, 30-60 mesh

Carrier gas: He, 75 ml/min. Oper. temp.: (1) 210°; (2) 260°; (3) 250°

Retention data: Tables p. 384-85 Remarks:--

Compds. Sepd.: hydrogenation prods. of terphenyl compds.

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