

Shokova, E. A., Khromov, S. I. and others.
CATALYTIC REARRANGEMENTS OF CYCLONONANE
AND CYCLODECANE IN THE PRESENCE OF A
NICKEL CATALYST. [1963] [10]p. 10 refs.
Order from OTS or SLA \$1.10 63-18752

Trans. of Neftekhimiya (USSR) 1962, v. 2, p. 280-287.

DESCRIPTORS: *Methanes, *Octanes, *Cyclohexanes,
*Methyl radicals, *Cyclopentanes, *Hexanes,
*Nickel catalysts, Raman spectroscopy, Kieselguhr,
Benzenes, Catalysis.

Catalytic conversions of cyclononane and cyclodecane
were studied in the presence of nickel upon kieselguhr
and in a stream of hydrogen at 200 and 250 C. The sub-
stances undergo under these conditions a transannular
dehydrocyclization, a direct hydrogenolysis and a
stepwise isomerization of their cycles. The reaction
products of cyclononane were n-nonane, n-octane,
(Chemistry--Organic, TT, v. 10, no. 12) (over)

63-18752

1. Title: Cyclodecane
 2. Title: Cyclononane
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 - II. Khromov, S. I.

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