

63-16037

Kazanski, B. A., Liberman, A. L. and others.
RELATIVE EFFICIENCIES OF LABORATORY FRAC-
TIONATING OF VARIOUS CONSTRUCTIONS. [1963]
23p. 25 refs.
Order from OTS or SLA \$2.60

63-16037

Trans. of Zhurnal Obshchei Khimii (USSR) 1942,
v. 12, p. 112-122.
Another trans. is available from OTS or SLA \$1.10 as
61-16657 [1961] 10p. and an abstract trans. \$1.60 in
61-20323 [1961] 18p.

DESCRIPTORS: *Towers (Chemistry), *Distilling
plants, Construction, Design, Effectiveness,
*Fractionation.

For abstract see Technical Translations 6: 417, 1961.

(Engineering--Chemical, TT, v. 10, no. 6)

I. Kazanski, B. A.
II. Liberman, A. L.

Office of Technical Services

Destructive Alkylation of Benzene With Propane,
by B. A. Kazanskiy,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 3,
1959, pp 571-574.

ATS RJ-2081

Sci - Chem

1. 40

115,384

Kazanskii, B. A., Plate, A. P. and others.
CONTACT CYCLIZATION OF PARAFFINIC HYDRO-
CARBONS. CATALYSTS CONTAINING VANADIUM
PENTOXIDE AND THORIUM DIOXIDE. [1961] [3]p.
5 refs.
Order from OTS or SLA \$1.10

61-20818

Reprint of [Akademiya Nauk SSSR]. Comptes Rendus
(Doklady) de l'Académie des Sciences de l'U.R.S.S.,
1940, v. 27, no. 7, p. 653-663.

DESCRIPTORS: *Hydrocarbons, Chemical reactions,
Vanadium compounds, Oxides, Thorium compounds,
Dioxides, Catalysts. Catalysts

Alumina, vanadium pentoxide and ammonium meta-
vanadate taken separately, do not catalyze the reac-
tion of cyclization. Alumina with 5-10% of vanadium
pentoxide catalyzes intensively the process of cycliza-
(Chemistry--Organic, TT, v. 7, no. 5) (over)

61-20818

I. Kazanskii, B. A.
II. Plate, A. P.

1349c

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Investigation of the Composition of the 150-250°
Fraction of Emben Petroleum, by B. A. Kazanskiy,
G. S. Landsberg, V. T. Aleksanyan, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9,
1959, pp 1612-1622.

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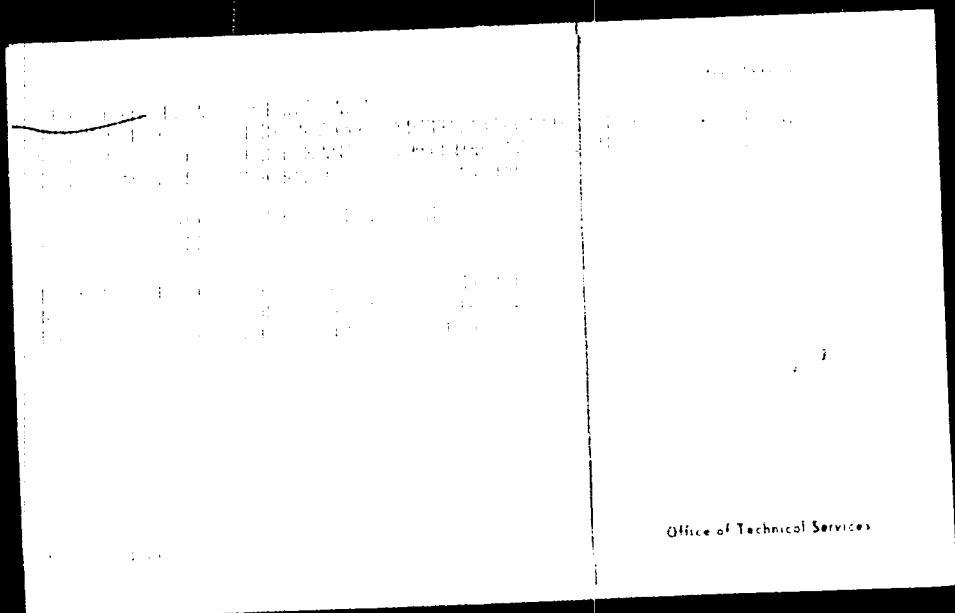
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May 61

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Reactions and Methods of Study of Organic
Compounds, by B. A. Kazanskiy.
GOVERNMENT USE ONLY
RUSSIAN, per, Reaktsiy i Metody Issledovan-
iya Organicheskikh Soyedineniy, Vol 12,
1963, pp 5-13.
CIA X-6846

Jan 69

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Kazanaki, B. A., Balandin, A. A., Tsarkovnikov,
N. M., Ivanova, K. A., and Staroverova, E. N.
PREPARATION OF BUTYL AND HEXYL ALCOHOLS
FROM BY-PRODUCTS OF SYNTHESIS OF 1,3-
BUTADIENE FROM ETHANOL. [1961] 9p 8refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16809

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1963, v. 6,
p. 266-273.

DESCRIPTORS: *Alcohols, *Butanols, Hexyl radicals,
Hydrogenation, *Nickel catalysts, *Butadienes, Syn-
thesis (Chemistry), *Ethanol

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16809

1. Title: n-Hexyl alcohol
- I. Kazanaki, B. A.
- II. Balandin, A. A.
- III. Tsarkovnikov, N. M.
- IV. Ivanova, K. A.
- V. Staroverova, E. N.

Office of Technical Services

The Effect of Space Velocity on the Process of
Aromatization of n-Hexane Over an Alumina-Chromia
Catalyst, by B. A. Kazanskiy, A. Z. Dorogochinskiy,
5 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol II, No 2,
1961, pp 258-262.

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Kazanskii, B. A., Platé, A. F., and Arutyunyan, S. S.
COMPOSITION OF STILL RESIDUES FROM CRACK-
ING OIL TO 1,3-BUTADIENE. [1961] 9p 14 refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16808

Trans. of Sinteticheskii Kauchuk (USSR) 1963 [v. 2]
no. 3, p. 13-18.

DESCRIPTORS: *Kerosene, Distillation, *Butadienes,
Pentenes, Benzenes, Toluenes, Pentadienes, *Hydro-
carbons, Pyrolysis.

(Engineering--Chemical, TT, v. 11, no. 4)

TT-61-16808

I. Kazanskii, B. A.
II. Plate, A. F.
III. Arutyunyan, S. S.

Office of Technical Services

Cyclization of 3-Ethylpentane to Ethylcyclopentane
by A. I. Liberman, T. V. Vasim, B. A. Kazanskiy,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 3,
1957, pp 430-432.

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Sci - Chem
Oct 58

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Dehydrocyclization of n-Heptane Over Alumina-
Chromia Catalysts, M. I. Rozengart, E. A.
Kosenskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4,
1958, pp 716-19.

Assoc Tech Serv RJ-1404

Sci - Chem

Apr 59

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Isomerization of 1,1,2-Trimethylcyclopropane in
Presence of Palladised and Platinised Charcoals,
by M. Yu. Lukina, S. V. Zotova, B. A. Kazanskiy,
5 pp.

RUSSIAN, per, Iz Nauk SSSR, Otdel Khim Nauk,
No 3, 1958, pp 300-304.

Consultants Bureau

Sci - Chem

Apr 60

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**Gravimetric Methods for the Determination of Un-
saturated Hydrocarbons in Isopentane- Isoprene-
Isocumylene Mixtures, by B. A. Kazanskiy, O. D.
Sterligov, A. P. Belen'kaya, G. Ya. Kondrat'yeva,
P. S. Pavlova, 8 pp.**

**RUSSIAN, per, Zhur Anal Khim, Vol XIII, No 1,
1958, pp 134-141.**

Consultants Bureau

Sci - Chem

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Jan 59

Dealkylation of Alkylaromatic Hydrocarbons and
Their Derivatives in the Presence of an
Aluminosilicate Catalyst. Part 1. The Kinetics
of the Dealkylation of Monoalkylbenzenes, by
Kh. D. Georgiev, B. A. Kazanskiy.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, 1959, pp 491-498.

ATS RJ-1898

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Dec 59

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Investigation of Bituminous Coal Hydrogenation at
Pressures Exceeding 1000 Atmospheres, by
B. A. Kazanskiy, M. G. Gonikberg, 18 p.

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Iskopaemakh, 1955, Vol V, No 6, pp 3-15.

SLA 59-18347

Sci
Mar 60
Vol 3, No 1

119894

Synthesis of 6,9-Endomethylenespiro-(4, 5)-
Decane, by H. V. Flagina, T. V. Stabinikov, B. A.
Kazanskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV,
No 6, 1959, pp 1243-1246.

Consultants Bureau

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Jun 50

Catalytic Hydrogenation of Diene Hydrocarbons With
an Isolated System of Double Bonds in the Presence of
Platinum and Palladium, by B. A. Kazanskiy, I. V.
Gostunskaya, A. I. Leonova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 6,
1979, pp 1264, 1267.

Consultants Bureau

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Jun 60

Synthesis of Spiro-(5, 6)-Dodecane, by H. V.
Elagina, B. A. Kazanskiy, 4 pp.

RUSSIAN, por, Dok Ak Nauk SSSR, Vol CXXIV,
No 5, 1959, pp 1053-1056.

Consultants Bureau

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Sci

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Determination of the Individual Composition
of Straight-Run Gasolines by the Combination
Method, by G. S. Landsberg, B. A. Kazanskiy.

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No 2, 1951, pp 100-114.

Assoc Tech Sv RJ-224
\$26.10

Scientific - Chemistry
CTS 73/Oct 1955

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Catalytic Transformations of n-Heptane and
n-Octane in the Presence of Platinized
Carbon, by B. A. Kazanskiy.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
~~XXXXXX~~ Vol XCV, 1954, pp 77-80.

Assoc Tech Sv RJ-227
\$8.00

Scientific - Chemistry
CTB 73/Oct 1955

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Kazanski, B. A. and Rafil'son, I. A.
PREPARATION OF 1,3-BUTADIENE FROM 2-BUTENE.
Sp 8red
Order from OTS, SLA, or ETC \$1.10 TT-61-16639
Trans. of Statisticheskii Kauchuk (USSR) 1934
[v. 3] no. 1, p. 31-34.

(Engineering--Chemical, TT, v. 12, no. 3)

TT-61-16639

I. Kazanski, B. A.
II. Rafil'son, I. A.

A285079

Office of Technical Services

The Hydrogenation of Cyclic Hydrocarbons. Part IX.
The Hydrogenation of 1.1-Dimethyl-Cyclopentane in
the Presence of Platinum-Activated Carbon, by
B. A. Kazanskiy, Z. A. Rumiantsseva, N. I. Batuev.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel. Khim Nauk,
No 5, 1947, pp 483-493.

Res Info Sv R.566

Sci - Chemistry
Jan 1956/CTS No 77

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53 Nassau St., New York, N.Y.

Dehydrocyclization of n-Heptane Over Aluminachromia
Catalysts, by M. I. Rosengart, B. A. Kavanahiy, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CKIX, No 4,
1958, pp 716-719.

Assoc Tech Sr
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Sci - Chem

Apr 59

OTS, V. I, No 5

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Report No 8-Raman Spectra of Certain Aromatic Hydrocarbons, by V. T. Aleksanyan, Kh. E. Stepin, A. L. Liberman, E. A. Mikhailova, M. A. Pryanishnikova, B. A. Kazanskiy, 9 pp.

Publ. tr

RUSSIAN, bino per, Iz Ak Nauk, Ser Fiz, Vol XIX, No 2, 1955, p 225. CIA C 42795

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Columbia Tech Tr

Scientific - Physics, Min/Metals
Jun 56 CTS/dex

Aromatization of Some Homologues of Cyclopentane
and Paraffins in Presence of Platinized Carbon, by
A. F. Plate, B. A. Kazonskiy, 4 pp.

RUSSIAN, no per, Zhur Obsch Khim, Vol VII, No 2,
1937, pp 328-329.

US Dept of Commerce
Patent Office
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Sci - Chemistry
Mar 1957 CTS/dex

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Raman Spectra of Some Hydrocarbons of the Cyclobutane Series, by V. T. Aleksanjan, M. Yu. Lukina, Kh. E. Starin, B. A. Karanakiy 3 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Ser Fiz, Vol XVIII, No 6, 1954, pp 699-701. CIA C 40664

Columbia Tech Tr

Scientific - Physics 31,723

Feb 56 CTS/DEX

Study of the Composition of the Light Fractions of
Soviet Crudes, by A. V. Topchiyev, B. A. Kasanskiy,
et al, 40 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 10, 1958,
pp 1177-1197.

ATIC MOL-580/III

Sci - Fuels

Oct 60

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Synthesis and Catalytic Conversions of
2-Methylbicyclo-(2,2,2)-octane and 2,3-Di-
methylbicyclo-(2,2,2)-octane, by B. A. Kazanakiy,
P. I. Svirskaya, 4 pp.

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1959, pp 2584-2587.

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Aug 60

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1,4-Endoethylene-5,6,7,8-tetrahydronaphthalene,
by B. A. Kazanskiy, P. I. Svirskaya, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 8,
1959, pp 2588-2590.

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Hydrogenation of Cyclopropylbenzene in Presence
Of Palladium and Platinum ~~XXXXXX~~ Blacks,
by B. A. Kazanskiy, M. Yu. Lukina, and I. L.
Sofonova, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1958, pp 102-103.

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Sci - Chem

May 59

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Reduction of Monoolefinic Hydrocarbons With Alkali
Metals in a Liquid Ammonia Medium, by I. V. Gontumskaya,
M. I. Rozhkova, B. A. Kazanskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol ^X~~CIV~~, No 3, ¹⁹⁵⁷~~1~~ pp
545-548.

Consultants Bureau

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Sci - Chem
Aug 58

Catalytic Transformations of 1,1,2-Trimethylcyclo-
propane in Presence of Palladized Carbon and Activated
Carbon, by M. Yu. Lukina, S. V. Zotova, B. A.
Kazanskiy, 6 pp.

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792-795.

Consultants Bureau

Sci - Chem
Aug 58

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The Effect of the Diameter of Laboratory Columns
with Fenske Packing on Their Efficiency and
Throughput, by B. A. Kazanskiy, et al. 12 pp
UNCLASSIFIED

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1943, pp 125-130,

TS-61-166/8

Sci Tr Center
RT-1010

Scientific - Chemistry

15,361

61-20818

I. Kazanskii, B. A.
II. Plate, A. F.

Kazanskii, B. A., Plate, A. F. and others.
CONTACT CYCLIZATION OF PARAFFINIC HYDRO-
CARBONS. CATALYSTS CONTAINING VANADIUM
PENTOXIDE AND THORIUM DIOXIDE. [1961][3]p.
5 refs.

Order from OTS or SLA \$1.10

61-20818

Reprint of [Akademiya Nauk SSSR]. Comptes Rendus
(Doklady) de l'Academie des Sciences de l'U.R.S.S.,
1940, v. 27, no. 7, p. 658-663.

DESCRIPTORS: *Hydrocarbons, Chemical reactions,
Vanadium compounds, Oxides, Thorium compounds,
Dioxides, Catalysts, Catalysis

Alumina, vanadium pentoxide and ammonium meta-
vanadate taken separately, do not catalyze the reac-
tion of cyclization. Alumina with 5-10% of vanadium
pentoxide catalyzes intensively the process of cycliza-
(Chemistry--Organic, TT, v. 7, no. 5) (over)

Office of Technical Services

13496

Catalytic Reactions at the Surface of Solid Calcium
and Potassium Amides, by A. I. Shatenshtein, Yu. G.
Dubinskiy, E. A. Yakovleva, I. V. Gostunskaya, B. A.
Kazanskiy, 3 pp.

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No 1, 1958, pp 104-105.

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Sci - Chem

May 59

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The Limited Applicability of the Ruzicka-Skita Rule
to Stereoisomeric Dialkyl-Cycloalkanes, by B. A.
Kazanskiy, A. L. Liberman, N. I. Tyunkina, I. M.
Kuknetsova, 4 pp.

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1958, pp 1025-1028.

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Sci - Chem
Oct 59

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Polymerization of Isobutylene Over Hydrosilicic
Catalysts. Communication III., by B. A. Kazanskiy,
M. I. Rozengart, 9pp.

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No 4-5, 1943, pp 304-308.

Sci Tr Ctr- RT-3808

Sci-Chemistry
Aug 56 CTS/dex

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On the Concurrent Formation of Five- and Six-Membered Rings From Paraffins (C₅- and C₆-Dehydrocyclization) Over Platinized Carbon, by B. A. Kazanskiy, A. L. Liberman, G. V. Loza, T. V. Vasina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 6, 1959, pp 1188-1191.

CB

Sci - Chem
Sep 60

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Stereoisomeric 1-Methyl-2Alkylcyclohexanes,
by A. I. Liberman, I. M. Kuznetsova, ~~et al.~~
N. I. Tyun'kina, B. A. ~~Kazanskii~~, " pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol ~~CXXVII~~,
Text No 5, 1958, pp 942-945.

Consultants Bureau

Sci-Chem

Jun 59

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Catalytic Cyclization of n-Pentane and n-Hexane with
the Formation of a Five-membered Ring, by A. L.
Lieberman, G. V. Loza, Chshan Min-Man', B. A. Kazanskiy,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4, 1958,
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Sci - Chem

Jun 59

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Reduction of Monoolefinic Hydrocarbons by Sodium
in Liquid Ammonia in the Presence of Tertiary
Butyl Alcohol, by M. I. Rozhkova, I. V.
Gostunskaya, B. A. Kasanskiy, 4 pp.

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Sci - Chem

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Catalytic Transformations of Alkylcyclopropanes in
the Presence of Platinum and Palladium Supported on
Ashless Activated Carbon, by M. Yu. Lukina, S. V.
Lotova, B. A. Kuzanskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 2,
pp 341-344.

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Chromatographic Analysis of Mixtures of C₅ Hydrocarbons, by A. A. Zhukhovitskiy, B. A. Katanskiy, A. I. Karymova, P. S. Pavlova, O. D. Sterligov, I. M. Turkel'taub, 8 pp.

RUSSIAN, per, Zhur Anal Khim, Vol. XIV, No 6, 1959, pp 721-728.

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Sep 60

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Kazanskii, B. A. and Rozengart, M. I.
CATALYTIC POLYMERIZATION OF BUTENES OVER
ALUMINUM SILICATE, II. [1961] 10p. 12 refs.
Order from OTS or SLA \$1.10 61-16640

Trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12,
p. 246-254.

DESCRIPTORS: *Butenes, Polymerization, Aluminum
compounds, *Silicates, Catalysts.

(Chemistry--Organic, TT, v. 6, no. 7)

61-16640

I. Kazanskii, B. A.
II. Rozengart, M. I.

Office of Technical Services

Catalytic Isomerization of Hydrocarbons of the
Cyclobutane Series, by M. Yu. Lukina, L. A. Nakh-
petyan, V. A. Ovodova, B. A. Kazanskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 3,
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Catalytic Dehydrogenation of Isopentane, by
B. A. Kazanskiy, M. N. Marushkin, O. D.
Sterligov, A. P. Belenkaya, 4 pp.

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1957, pp 619-622.

Consultants Bureau

Sci - Chem
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Dealkylation of Alkyl-Substituted Hydrocarbons in the Presence of an Aluminosilicate Catalyst. 3. Kinetics of the Dealkylation of o- and p-Chlorocumenes, by Kh. D. Georgiev, B. A. Kazanskiy, 6 pp.

RUSSIAN, per., Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4, 1959, pp 699-704.

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Sci -
By 61

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Effect of Hydrogen Pressure on the Rate of the
Heterogeneous Catalytic Isomerization of Cyclohexane.
Communication 1. Kinetics of the Isomerization of
Cyclohexane Over a Tungsten Sulfide Catalyst, by
M. G. Gonikberg, I. I. Levitskiy, B. A. Kazanskiy,
6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4,
1959, pp 611-616.

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May 61

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Catalytic Cyclization of Some Alkylbenzenes Into
Indan and Its Homologs, by A. L. Liberman, O. V.
Bragin, B. A. Khazanskiy, 9 pp.

RUSSIAN, per, Iz ~~KPI~~ Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1959, pp 879-887.

CB

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May 61.

153, 256

Synthesis of Bicyclo-(2,2,2)- octane and
2-Methyl-3-ethylbicyclo-(2,2,2)- octane, by
B. A. Kazanskiy, P. I. Svirskaya, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 9,
1959, pp 2976, 2977.

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124,296

Sep 60

The Hydrogenation of Cyclic Hydrocarbons. Part VIII.
The Hydrogenation of Trans-1, 2- and Trans-1,3-di-
methylcyclopentane in the Presence of Platinum-
Activated Carbon, by B. A. Kazanskiy, Z. A.
Rumiantseva, M. I. Batuev.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1947, pp 473-482.

Research Information Service

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Scientific - Chemistry

Jan 56 CTS/DEX

Catalytic Hydrogenation of Hydrocarbons of the
Cyclopentane Series, by B. A. Kazanskiy.

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Assoc Tech Sv
RJ-364

Sci - Chemistry

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Aug 1956

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Dealkylation of Alkylaromatic Hydrocarbons and
Their Derivatives in the Presence of Aluminosili-
cate Catalyst, by B. A. Kazanskiy, Kh. D.
Georgiyev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,
No 1, 1957, pp 85-88.

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Sci - Chem

Oct 58

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The Synthesis of 1,4-Endomethylenespiro-(5,5)-
Undecane, by N. V. Elagina, N. S. Martinkova,
B. A. Kazanskiy, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 12,
1959, pp 4011-4013.

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Nov 60

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Heterogeneous Catalytic Course of Benzene
~~From~~ Pyrolysis, by A. P. Rudenko, B. A.
Kazanskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII,
No 1, 1959, pp 99-102.

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Sci - Chem
Sep 60

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The Effect of the Addition of Elements of the Second
Group of the Periodic System on the Activity of ~~CHROMIA~~
Chromia-Alumina Aromatization Catalysts, by B. A.
Kazanskiy, M. I. Rozengart, Z. P. Kuznetsova, 4 pp.

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pp 1228-1230.

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Hydrogenation of Ethylcyclobutane and 1,1,2-
Trimethylcyclopropane in the Presence of Pal-
ladiumized Carbon, by M. Yu. Lukina, S. V.
Zotova, B. A. Kazanskiy, 4 pp.

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Consultants Bureau

Sci - Chem
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The Effect of the Addition of Alkali Elements on
the Catalytic Properties of Chromia-Alumina Catalysts,
by V. B. A. Kazanskiy, M. I. Rozengart, Z. F.
Kuznetsova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 4,
1959, pp 787-790.

Consultants Bureau

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Sci

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SLA: 60-46893

Isomerization of Monoolefinic Hydrocarbons Under
the Conditions of Catalytic Hydrogenation in a
Liquid Phase, by I. V. Gostunskaya, N. B.
Dobrosardova, B. A. Kazanskiy, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol. XXVII, No 9,
1957, pp 2396-2401.

Consultants Bureau

Sci - Chem
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DESCRIPTORS: *Cyclobutanes, Butyl radicals,
*Methanes, Synthesis.

Synthesis of isobutylcyclobutane and dicyclobutylmethane
is reported. Isopropyl cyclobutyl ketone and dicyclo-
butyl ketone were first prepared by reacting cyclo-
butanecarboxylic acid with isobutyric acid over a zinc
oxide-manganous oxide catalyst at 400° and reducing
their hydrazones by the method of Kizhner, by distilla-
tion with solid potassium hydroxide and platinized
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Order from OTS or SLA \$1.10 61-27602

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DESCRIPTORS: *Chromium catalysts, *Crystal structure, *Paramagnetic resonance, *Electrons, Chromium compounds, Oxides

Several samples of chromium oxide-on-alumina catalysts with various contents of chromium oxide were studied by the method of electron paramagnetic resonance. On the basis of changes in the width and shape of the resonance line for the specimens investigated. (Physical--Solid State, TT, v. 6, no. 9) (over)

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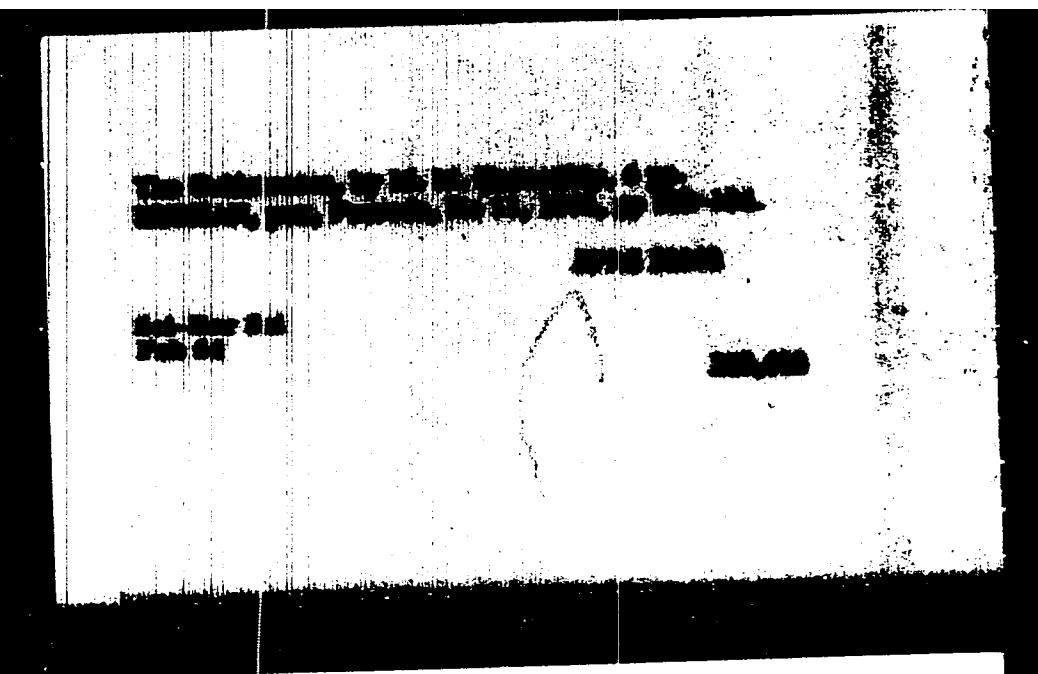
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DESCRIPTORS: *Ethylenes, *Chromium catalysts,
*Alumina-silica catalysts, *Catalysis, *Spectroscopy,
Heptanes, Cyclohexanes, *Electron spin resonance,
Polyethylene plastics, Polymerization,

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DESCRIPTORS: *Palladium, *Hydrogen, *Diffusion,
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