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Feb 79

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DETERMINATION OF SMALL CONCENTRATIONS OF  
XANTHATES IN INDUSTRIAL EFFLUENT LIQUIDS, BY  
YU. YU. LUR'YE, Z. V. NIKOLAYEVA.

RUSSIAN, PER, ZAVOD LAB, VOL XXII, NO 1, 1956,  
PP 30-35.

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61-20146

Nikolaeva, A. F., Tatevskii, V. M. and Frost, A. V.  
CATALYTIC [ACTION] OF [ACTIVE] ALUMINOSILICATES. IV. CONVERSION OF CYCLOHEXENE OVER ACTIVATED CLAY. [1961] 4p. 7 refs.  
Order from OTS or SLA \$1. 10 61-20146

I. Nikolaeva, A. F.  
II. Tatevskii, V. M.  
III. Frost, A. V.  
IV. Title: Conversion ...

Trans. of Zhurnal Obshchey Khimii (USSR) 1945, v. 15, p. 796-798.

DESCRIPTORS: Aluminum compounds, Silicates, Catalysts, \*Cyclohexenes, \*Clays, Chemical reactions, Hydrocarbons, Catalysis.

It was established that the action of aluminosilicates on cyclohexene differs in its mechanism from the action of metals, which bring about an irreversible catalytic conversion, as described by N. D. Zelinskii. The absence of benzene in the light fractions of the (Chemistry--Organic, TT, v. 7, no. 2) (over)

155365

Office of Technical Services



61-16650

Nikolaeva, A. F. and Frost, A. V.  
MECHANISM OF CONVERSION OF CYCLOHEXANE  
TO HEXANES DURING HYDROGENATION OVER  
MOLYBDENUM SULFIDE. [1961] 3p. 4 refs.  
Order from OTS or SLA \$1.10 61-16650

I. Nikolaeva, A. F.  
II. Frost, A. V.

Trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12,  
p. 646-648.

DESCRIPTORS: \*Cyclohexanes, \*Hydrogenation,  
Molybdenum compounds, Sulfides, Hexanes, Chemical  
reactions.

Hydrogenation in the presence of molybdenum sulfide  
converts cyclohexane into hexanes through the inter-  
mediate stage of formation of methylcyclopentane.  
(Author)

Office of Technical Services

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

61-16639

I. Nikolaeva, A. F.

Nikolaeva, A. F.  
HYDROGENATION OF METHYLCYCLOPENTANE  
AND CYCLOHEXANE UNDER HYDROGEN PRESSURE.  
[1961] 6p. 14 refs.  
Order from OTS or SLA \$1.10                      61-16639

Trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12,  
p. 240-245.

DESCRIPTORS: \*Hydrogenation, \*Cyclopentanes,  
\*Cyclohexanes, Hydrocarbons, Hexanes, Methyl  
radicals.

Hydrogenation of methylcyclopentane at 400° and an  
initial hydrogen pressure of 140 atm in the presence  
of molybdenum sulfide brought about a conversion of  
this hydrocarbon to normal hexane, isohexane and 3-  
methylpentane. Simultaneously with hydrogenation,  
isomerization of methylcyclopentane occurred, forming  
cyclohexane. Investigation of the products of hydro-  
genation of cyclohexane revealed that with increase of  
(Chemistry--Organic, TT, v. 6, no. 7)                      (over)

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61-16898

Nikolaeva, A. F. and Frost, A. V.  
CATALYTIC ACTION OF ACTIVE ALUMINO-SILI-  
CATES. III. CONVERSION OF HEXENE OVER ACTI-  
VATED CLAY. [1961] 3p. 3 refs.  
Order from OTS or SLA \$1.10

61-16898

Trans. of Zhurnal Obshchei Khimii (USSR) 1943, v. 13,  
p. 733-735.

DESCRIPTORS: \*Cyclohexenes, Catalysis, Clays,  
Aluminum compounds, \*Silicates, Catalysts.

I Nikolaeva, A. F.  
II Frost, A. V.  
III Title: Conversion...

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

Study of the System Uranyl Nitrate-Water-Nitric  
Acid-Tributyl Phosphate in the Region of Phase  
Separation, by A. V. Nikolayev, I. I. Yakovlev,  
5 pp.

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1962, pp 1064. 9208268

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New Methods of Welding and Cutting, by L. L.  
Silin, A. V. Nikolayev, G. N. Klebanov, 7 pp.

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Purification of Bacterial Asparaginase by  
Chromatography on a Carboxymethylcellulose  
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shev, 8 pp.

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An Insoluble Active Compound of Asparaginase  
with Carboxymethylcellulose, by A. Ya. Nikolayev,  
S. R. Mardashev, 3 pp.

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Application of Tritium to Welding and Radiography  
With Tritium, by B. I. Bruk, G. I. ~~NIKI~~ Nikolayev,

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pp 535-544.

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Properties of Complex Fluorides of Hexavalent  
Rhenium, by E. G. Ippolitov, N. S. Nikolayev,  
6 pp.

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Nikolayev, 6 pp.

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No 2, 1962, pp 361-369.

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Vol XVI, No 2

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Capture of Several Electrons by Fast Multicharged  
Ions, by V. S. Likolayev, L. N. Fateyeva, I. S. Dmitri  
8 pp.

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Study of the Bactericidal Properties of Uviol  
Lamps, by N. K. Golik, E. Ya. Nikolayeva.

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Determination of Uranium by Means of Potassium  
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An Analytical Study of the Precipitation of  
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Jun 59

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Jan 62

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