

The Behavior of Some Dichloroalkanes and
Dichloroalkenes in Conditions of Direct Synthesis,
by A. D. Petrov, G. I. Nikishin, N. P.
Svetlanikina, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 8,
1953, pp 2085-2088.

CB

Sci - Chem
Oct 59

99,066

Synthesis of Undecyl and Dodecylbenzenes and Their
Perhydrides, by A. D. Petrov, G. I. Nikishin, V. D.
Vorob'ev, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 7,
1958, pp 1761-1766.

Consultants Bur

Sci - Chem
Sep 59

96, 851

ATIC - 128596

A.O. Petrov; V. M. Mironov
Vestnik Khim, V. 22, No 4,
1953

Mechanism of Reaction of Magnesium Alkyl Halides With
 Δ -Silicoalkyl Halides, by A. D. Petrov, V. F. Hironov.
pp. UNCLASSIFIED.

RUSSIAN, bimo per, XX Iz Ak Nauk, Otdel Khim Nauk,
1952, pp 635-645.

Consultants Bureau

16,967

Scientific - Chemistry

CRS/DEX

V
1-Ethylcyclohex-1,3-diene and Its Derivatives, by
A. D. Petrov, A. V. Kulikova. 4 pp. UNCLASSIFIED.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk, No 4,
1952, pp 763-765.

Consultants Bureau

16,956

Scientific - Chemistry

CTS/DEX

Relation of Surface Active Properties and Detergent
Power of Solutions of Alkylbenzol Sulphonates on the
Size and Structure of the Alkyl Chain, by A. D.
Putrov, et al.

Fragment 24

INZHENI, per, ~~Moskovo~~ ~~2~~ ~~iz~~ ~~irovaya~~, No 8, 1958,
pp 23-29.

Co-op Trans Sch 633

Bed - Chem
Mar 59

82,481

Organomagnesium Synthesis and Properties of
1,1,1-Triphenylalkylmethanes, 1,5-Diphenyl-3-
Benzylpentane, and 1-Phenyl-3-(2-Phenylethyl
Tridecane. II. by M. A. Cheltsova, A. D.
Petrov, Yu. P. Egorov, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII,
No 4, 1958, pp 945-950.

Consultants Bureau

Sci - Chem
Jun 59

89,138

Synthesis of p-Trialkylsilyl- and m
p-Trialkylsilylalkylstyrenes, by A. D. Petrova,
E. A. Chernyshev, N. G. Tolstikova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 5,
1958, pp 957-959.

Consultants Bureau

Sci-Chem

Jun 59

88,793

Condensation of Alkylbenzenes With Halogen
Derivatives of Isobutylene, by V. N. Gramenitskaya,

G. I. Nikishin, A. D. Petrov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CKVIII, No 3,
1958, pp 497-500.

Consultants Bureau

Sci - Chem

Jun 59

88, 814

The Synthetic Detergent Industry Abroad and in the USSR, a Discussion, by A. D. Petrov.

RUSSIAN, per, Khim i Tekhnol Topliv i Masel, Vol II, No 8, 1957, pp 1-4.

ATS RJ-1695

Sci - Chem

ATS-57L30R

Jul 59

90,862

Chlorination and Bromination of Phenyltrichlorosilane
and the Raman Spectra of Halogen-Substituted Phenyl-
trichlorosilanes, by A. D. Patkov, M. I. Batushev,
V. A. Ponomarenko, A. D. Snegova, A. D. Matveyeva,
B. A. Sakalov, 5 pp.

RUSSIAN per, Zhur Obshch Khim, Vol XXVII, No 8,
1957, pp 2057-2061.

Consultants Bureau

Sof - Chem
Oct: 51

74, 327

Synthesis of Oxides of Silicoolefins from
Chlorohydrins, by S. I. Sadykh-Zade, L. V.
Mozdrina and A. D. ~~Patkov~~, 6 pp.

RUSIIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 4, 1958, pp 723-726.

Consultants Bureau

Sci-Chem

Jun 59

88, 799

The Polymerization of Unsaturated Organosilicon
Compounds Under Pressure, by V. V. Korshak, A. M.
Poljakova, A. A. Sakharova, A. D. Petrov, V. F.
Mironov, V. G. Glukhovtsev, G. I. Nikishin,
4 pp.

RUSSIAN, par, Zhur Obshch Khim, Vol XVII, No
9, 1957, pp 2445-2449.

Consultants Bureau

Sci - Chem
Oct 58

75, 160

Cyanoethylation of Methyl- and Ethyl-Dichlorosilanes,
A.D. Petrov, V. M. Vdovin, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 12, 1957, pp 1490-1490.

Consultants Bureau

Sci - Chem

May 59

86,991

Reaction of Some γ -Chloroalkylsilane Chlorides With
Silicon Under the Conditions of Direct Synthesis,
by A. D. Petrov, S. I. Sadykh-Zade, V. A. Ponomarev,
enki, I. A. Sokolov, Yu. P. Egorov, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 9,
1957, pp 2479-2486.

Consultants Bureau

Sci - Chem
Oct 58

75,165

Organomagnesium Synthesis of Vinyl Compounds of
Silicon, Germanium and Tin, by A.D. Petrov, V.F.
Mironov, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 12, 1957, pp 1491-1492.

Consultant Bureau

Sci - Q₄ *Q₄*

May 59

86,990

Reaction of ~~trichlorobenzene~~ (Trichloro-
chloride) with Carbonyl Compounds, by A. D. Petrov,
G. I. Nikishin, V. N. Gramenitobaya, V. D.
Vorobiev, 4 pp.

RUSSIAN, per, Zhur Oshch Khim, Vol XXVIII, No 9,
1958, pp 2315-2319.

CB

Sci - Chem
Oct 59

100,067

Addition of Silanes Containing Silicon-Attached
Hydrogen to Unsaturated Compounds in Presence
of Platinized Charcoal, by A. D. Petrov,
V. A. Ponomarenko, B. A. Sokolov, G. V.
Glabushyan, 11 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 10, 1957, pp 1206-1215.

Consultants Bureau

Sci. - Chem

Mar 59

86,937

Synthesis and Polymerization of Compounds in
Which Hydrogen and an Unsaturated Radical are
Attached to Silicon, by V. F. Mironov, A. D.
Petrov, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, 1957, pp 383-384.

ATS NJ-717
Consultants Bureau

Sci - Chem

May 59

86,852

Synthesis and Properties of Some Vinyl-, Phenyl-,
and Alkyl-Silanes Containing silicon-Attached
Hydrogen. Stabilizing Effect of Chlorosilyl
Groups, by S. D. Petrov, V. A. Ponomarenko,
B. A. Sokolov, Yu. P. Egorov, 10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, 1957, pp 310-318.

Consultants Bureau

Sci - Chem

May 59

86,850

Darstellung und Eigenschaften von Siliziumkohlenwasserstoffen. 1955 Übersetzungen ausländischer Fachliteratur, Heft 1. by A. D. Petrov, V. F. Mironov

Translated from the Russian original. 1953.

DSIR 546.287
Lending Lib Unit
G. 12276

Synthesis of Some Alkylbenzenes and Alkylcyclohexanes
of the Composition $C_{14}-C_{15}$, by A. D. Petrov, E. P.
Zakharov, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 11,
1957, pp 2290-2293.

Consultants Bureau

Sci - Chem

Jan 57

78,795

The Influence of the Nature of the Metal on the Yields of Alkanes Synthesized by the ~~Wurtz~~ Wurtz Reaction, by A. D. Patkov, O. M. Nefedov, F. I. Grigoryev, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 7, 1957, pp 1876-1880.

Consultants Bureau

Sci - Chem
Oct 58

74, 232

Metalloorganic Synthesis of ~~the~~ Dibiphenylalkanes
and Diphenylalkanes. III. A. D. ~~Fotey~~, E. P.
Kaplan, Z. I. Letina and Yu. P. Egorov, 4 pp.

RUSSIAN, per, Zhur Goskhi Khim, Vol XXV, No 3,
1958, pp 603-612.

Consultants Bureau

Sci - Chem

May 59

87, 354

Synthesis of β, β - Dichlorovinylalkyldichlorosilanes:
by A.D. Patrov, V.F. Mironov, D. Komanich, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 11, 1957, pp 1393-1394.

Consultants Bureau

Sci - Chem

May 59

87,006

Silylation of Aromatic Compounds by
Dichloroalkylsilane Chlorides. by E. A. Chernyshev,
M. B. Dolgaya, Yu. P. Egorov, L. V. Semenov and
A. D. Petraz, 6 pp.

RUSSIAN, per, Zhur Oshch Kna, Vol XXVIII, No 3,
1958, pp 613-616.

Consultants Bureau

Sci.- Chem

May 59

87,353

Reaction of tert-Butyllithium with Esters, by
A. D. Petrov, E. D. Sokolova, Gao Chin-Ian,
& JP.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 7, 1957, pp 871-872.

Consultants Bureau

Sci - Chem

Ma. }

87,027

Reaction of 2-Methyl-2-Phenylpropylmagnesium
Chloride with Allyl and 2-Methylallyl Chlorides,
by A. D. Petrov, O. M. Bafedov, Yu. N. Ogirin,
3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 8, 1957, pp 1004-1006.

Consultants Bureau

Sci. - Chem

May '57

87,178

Chloroplatinic Acid as a Catalyst for the Addition
of Silanes Containing Silicon-Attached Hydrogen to
Unsaturated ~~XXXXXXXXXXXX~~ Compounds, by V. A.
Fedorov, V. G. Cherkayev, A. D. Petrov, N. A.
Zadorozhnyi, K 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1958, pp 247-248.

Consultants Bureau

Sci - Chem

May 59

86,903

Synthesis and Properties of Some Bis-(trimethylsilyl)
Propylones, by A.D. Patkov, V.F. Mironov, V.G.
Glukhovtsov, Yu. P. Egorov, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 9, 1957, pp 1092-1100

Consultants Bureau

Sci - Chem

May 59

87,190

Synthesis and Viscosities of 1-Alkylacetylenes
and Their Decahydro-Derivatives, by A.D. Petrov,
O.M. Nal'dov, V.D. Vorobyev, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 9, 1957, pp 1105-1110

Consultants Bureau

Sci - Chem

May 59

87,193

(2369-B)

The Organolithium Synthesis of Hydrocarbons and
Their Oxygen-Containing Derivatives, by A. D. Petrov,
Ye. B. Sokolova, Gao Chin-Lan, 7 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVII, No 12,
1959, pp 1471-1475.

JPRS / PG-N

Sci-Chem
mar 59

82,643

Synthesis and Dehydration of Unsaturated Silicon-
Containing Alcohols, A. D. Petrov, L. L.
Ruchukovskaya, S. I. Sadykh-Zade and Yu. P.
Zgorov, ^a IP.
_b

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 2,
1957, pp 522-525

Consultants Bureau

Sci - Chem

Aug 58

70,936

Organic Fluorosilicon Compounds. Simple Organic
Fluorosilicon Ethers, by A. D. Fetov, V. A.
Poncmarenko, G. V. Odabashyan. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2,
1958, pp 307-310.

DSIR LLD (loan) M.469

RAE 709

Sci - Chem
Sep 59

95, 885

Synthesis and Transformations of Butadienylsilanes,
by S. I. Sadykh-zade, A. D. Petrov, 5 pp.

RUSSIAN, per, Zhur Obshehei Khim, Vol XXVIII,
No 6, 1958, pp 1542-1547.

Consultants Bureau

Sci - Chem
Sims 13ep 59

95, 773

Direct Synthesis of Silane Chlorides From Dichlorides
of the Vinylallyl Type, by A. D. Petrov, S. I.
Sadykhzade, N. P. Smetankina, Yu. P. Egorov, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 5,
May 1956, pp 1255-1257.

Consultants Bureau

Sci - Chemistry
May 57

47,274

X-2151

Direct Synthesis of Alkylpolysilane Chlorides, by
A. D. Petrov, S. I. Sadykhzade, E. A. Chernyshev,
~~V. F. Mironov~~, V. F. Mironov, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 5,
May 1956, pp 1248-1254.

Consultants Bureau

Sci - Chemistry
May 57

47, 273

X-2730

The Stability of the Si-C Bond in Aromatic and
Hydroaromatic Silanes to the Action of Acidic
Reagents, by A. D. Petrov, T. I. Chernysheva,
E. A. Chernyshev, 4 pp.

Full text

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 1,
1956, pp 128-141. CIA 900404 C, Reel No 21

Consultants Bureau

Sci - Chemistry
Sep 56 CTS

38,625

X-2956

Optical Investigation of Tetraethylsilane and
Chloro (Ethyl) Silanes and the Behavior of
these compounds in Chlorination, by H. I. Batuev,
A. D. Fetroy, V.A. Ponomarenko, A. D. Matveyeva,
8pp.

RUSSIAN, per Iz Ak Nauk SSSR, O^del Khim Nauk,
No. 9, Sep 1957, pp 1070-1078.

1956
Исследования

Consultants Bureau

Sci - Chem

50,430

Jul 57

Catalytic Polymerization of Propene Under Pressure,
by L. I. Antsus, A. D. Petrov, 8 pp.

RUSSIAN, per Iz Ak Nauk SSSR, Otel Khim Nauk,
No 9, Sep 1957, 1135-1141 pp.

1456 AP

Consultants Bureau

Sci - Chem

50,438

Jul 57

Synthesis ^{and} of Unsaturated Organogermanium Com-
pounds, by A. D. Petrov, V. F. Mironov, I. E. Golgy,
A. P. P.

RUSSIAN, per Iz Ak Nauk SSSR, Otel Khim
Nauk, No 9, Sep 1957, pp 1146-1147

1956

Consultants Bureau

Sci. - Chem

50,442

Jul. 57

Polymerization and Copolymerization of Alkenylsilanes
Under High Pressure. Communication 3, by A. M.
Polyakova, V. V. Korshak, A. A. Sakharova, A. D.
Petrov, V. F. Mironov, G. I. Nikishin, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 8, Aug 1956, pp 979-985.

Consultants Bureau

Sci - Chemistry
Jun 57

49,413

Equilibrium Mixtures of Five- and Six-Membered
Cyclones, by Al. A. Eprav, 4 pp.

RUSSIAN, Khimico-ne per, Dok Ak Nauk SSSR, Vol. 131,
No. 3, Jul/Aug 1956, pp 549-551.

Consultants Bureau

Sci. & Chem

56,640

Doc 57

Determination of the Degree of Branching of
C₁₂ - C₁₆ Paraffin Hydrocarbons by Infra-Red
Spectroscopy, by Yu. P. Egorov, Al. A. Petrov,
6 pp.

RUSSIAN, bino per, Zhur Anal Khim SSSR, Vol XI, No
4, 1956, pp 483-488.

Consultants Bureau

Sci - Chemistry
Mar 57

44,867

Catalytic Properties of Activated Aluminum Oxide
(In Isomerization Reactions of Unsaturated
Hydrocarbons), by K. G. Messerov, O. E. Morozova,
Al. J. Petrov, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XIV,
No 11, 1955, pp 2204-2206. CIA 542770-C,
real 4.

Consultants Bureau

Sci - Chemistry

37,791

Aug 56

<p>Petrov, A. D., Shchupina, Z. K., and Ol'dekop, Yu. A. SYNTHESIS OF 9,10-DIMETHYLOCTADECANE AND 9,10-DIPROPYLOCTADECANE. [1961] 3p. 13 refs. Order from OTS or SLA \$1.10 61-18202</p>	<p>61-18202 I. Petrov, A. D. II. Shchupina, Z. K. III. Ol'dekop, Yu. A.</p>
<p>Trans. of Zhurnal Obshchei Khimii (USSR) 1944, v. 14, p. 491-500.</p>	<p>105126</p>
<p>DESCRIPTORS: Synthesis, *Propanes, Hydrocarbons, *Fuel oil, Methyl radicals, Alkyl radicals, Propyl radicals, *Methanes, Viscosity, Antiknock.</p>	<p>Office of Technical Services</p>
<p>Synthesis of two isoparaffins with 20 and 24 carbon atoms, respectively, was effected, namely, 9,10-dimethyloctadecane and 9,10-dipropyloctadecane. These hydrocarbons are characterized by low pour points, satisfactory antiknock properties and a flat temperature-viscosity curve. (Author)</p>	
<p>(Chemistry--Organic, TT, v. 6, no. 8)</p>	

Petrov, A. I. and Lapteva, E. I.
SYNTHESIS AND PROPERTIES OF SOME HIGHER
HOMOLOGS OF BENZENE, III. [1961] 3p. 12 refs.
Order from OTS or SLA \$1.10 61-18203

Trans. of Zhurnal Obshchei Khimii (USSR) 1944, v. 14,
p. 495-497.

DESCRIPTOR: *Benzenes, Synthesis, Chemical
properties.

Properties of newly synthesized propylacrylphenyl-
methane and t-butylphenylmethane were studied
and blending cetane numbers of methylacrylphenyl-
methane were determined. (Author)

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

61-18203

I. Petrov, A. D.
II. Lapteva, E. I.

Office of Technical Services

61-18204

Petrov, A. D. and Kurbakil, G. P.
SYNTHESIS AND PROPERTIES OF MONOALKYL
NAPHTHALINES C₁₇-C₂₁ AND SOME HYDROGE-
NATED DERIVATIVES OF THEM. [1961] 3p. 8 refs.
Order from JTS or SLA \$1. 10 61-18204

I. Petrov, A. D.
II. Kurbakil, G. P.

Trans. of Zhurnal Obshchei Khimii (USSR) 1944, v. 14,
p. 492-494.

DESCRIPTIONS: *Naphthalenes, Synthesis, Antiknock,
Alkyl radicals, Hydrocarbons.

Synthesis of four alkylated naphthalenes with from 17
to 21 carbon atoms is reported; two of these were
hydrogenated to the corresponding decalin derivatives.
Four points and antiknock properties of these hydro-
carbons expressed in cetene numbers were determined.
(Author)

Office of Technical Services

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

Petrov, A. D. and Chel'tsova, M. A.
SYNTHESIS AND PROPERTIES OF AROMATIC AND
NAPHTHENE HYDROCARBONS WITH FROM 19 TO
26 CARBON ATOMS, II. [1961] 7p. 17 refs.
Order from ODS or SLA \$1.10 61-16637

Trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12,
p. 87-94.

DESCRIPTORS: *Fuel oil, *Benzenes, *Cyclohexanes,
Naphthalenes, *Hydrocarbons, Synthesis, Chemical
properties, Alkyl radicals.

Synthesis of 12 hydrocarbons with from 19 to 26 carbon
atoms is reported, mainly monoalkylbenzenes and
monoalkylcyclohexanes. Physical constants and the
most important technical properties characterizing
these hydrocarbons as Diesel fuel constituents have
been evaluated. (Author)

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

61-16637

I. Petrov, A. D.
II. Chel'tsova, M. A.

Office of Technical Services

Spectroscopic Investigation of Factors Conditioning
 β -Elimination Reactions of β -Haloalkylsilanes, by
M. I. Batusov, A. D. Petrov, V. A. Ponomarenko, A. D.
Matveyeva, 10 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 8,
1956, pp 2336-2345.

Consultants Bureau

Sci - Chem

56, 5 244

Dec 57

Synthesis of α -(Trimethylsilyl)Styrene,
1-(Trimethylsilyl)Cyclohexene, and Other
Unsaturated Organosilicon Compounds, by
A. D. Petrov, V. F. Stronov and V. G.
Gushovtsev, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, N
6, 1957, pp 1535-1539.

Consultants Bureau

Sci - Chem

72,921

Sep 58

and Alkylhydrosilanes,
The Addition of Polyhalogensilanes to Com-
pounds Containing a Triple Bond, by L. L.
Shchukovskaya, A. D. Petrov, Yu. P.
Egorov, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI,
No 12, 1956, pp 3338-3340.

Consultants Bureau

Sci - Chemistry
Jul 56

67,416

The Synthesis of Branched Aliphatic Hydrocarbons of
Composition C₁₀ - C₁₅ by the Grignard and Grignard-
Wurtz Reactions, by A.D. Petrov, V. L. Sushchinsky,
E. P. Zakharov and T. I. Rogozhnikova, 10 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 2,
1957, pp 467-474.

4

Consultants Bureau

Sci - Chem

Jul 58

67,245

Allene-Acetylenic Isomeric Transformations in
the Silicohydrocarbon Series, by S. I.

Sadykhzade, Yu. P. Egorov, A. D. Petrov, 4 pp.

1957

RUSSIAN, *Izv. Akad. Nauk SSSR*, Vol. CXIII, No. 3, pp. 620-621.

Consultants Bureau

Sci - Chem
Aug 58

69:067

Direct Synthesis of Naphthyltrichlorosilane, by
P. S. Sainin, A. D. Petrov, 2 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 4,
1957, pp 926-927.

Consultants Bureau

Sci - Chem
Aug 58

69, 228

The Organomagnesium Synthesis and Hydrogenation
of Triphenylalkyl-methanes, by M. A. Cheltsova,
A. D. Petrov, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 3,
1957, pp 600-603.

Consultants Bureau

Sci - Chem
Aug 58

69, 183

The Synthesis of 2,2,3,5,6,8,9,9,-Octa-
methyldecadiene-3,7, 3,5,6,6-
Tetramethyl-2-Carboxy-4-Heptenic Acid-1
and 3,5,6,6,-Tetramethyl-4-Heptenic
Acid-1, by A. D. Petrov, V. N. Gramenit-
skaya, M. P. Shebanova, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI,
No 12, 1956, pp 3324-3327.

Consultants Bureau

Sci - Chemistry
Jul 58

67,413

Optical Investigation of the Si-H Bond and Peculiarities in its Chemical Behavior in Various Compounds, by M. I. Batuev, A. D. Petrov, V. A. Ponomarenko, A. D. Matveyeva, 8 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 10, 1956, pp 1243-1249.

Consultants Bureau

Sci - Chemistry
Jan 58

57,998

Reaction of 1,4-Dilithiodihydrodiphenyl With
Alkyl Halides, by E. P. Kaplan, Z. I. Letina,
A. D. Petrov, 4 pp.

RUSSIAN, no pag, Zhur Obshch Khim, Vol XXVI, No 5,
May 1956, pp 1243-1245.

Consultants Bureau

Sci - Chemistry
May 57

47,271

Syntheses of Silicon-Containing Ethers and
Diethers, by S. I. Sadykhzade, I. I. Tsetlin,
A. D. Petrov, 4 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XXVI, No 5,
May 1956, pp 1239-1242.

Consultants Bureau

Sci - Chemistry
May 57

47,270

The Organometal Synthesis of Dibiphenylalkanes and
Their Hydrogenation, by A. D. Petrov, E. P. Kaplan,
Z. I. Letina, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 5,
May 1956, pp 1246,1247.

Consultants Bureau

Sci - Chemistry
May 57

47,272
ASLIB-G B2

Synthesis of Trialkylsilylmethyl Thiocyanates and
 β -(Trialkylsilyloxy) Propionitriles, by A. D.
Petrov, V. F. Mironov, N. A. Pogonkina, 6 pp.

RUSSIAN, thirice-no per, Dok Ak Nauk SSSR, Vol C,
1955, pp 81-84.

CIA/FDD X-2891

Sci - Chemistry
May 58

63,113

Synthesis of Silicohydrocarbons from Tertiary,
Secondary and Primary β -Halosilanes, by A. D.
Petrov, V. F. Mironov, 6 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXX,
1951, pp 761-764.

CIA/FDD X-2890

Sci - Chemistry
May 58

63,114

Polymerization of Unsaturated Organogermanium Compounds,
by V. V. Korshak, A. M. Polyakova, A. D. Petrov, V. F.
Mironov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXII, No 3, 1957,
pp 436-438.

Consultants Bureau

Sci - Chemistry
Jul 58

66,762

Investigation of Certain Metals of Group VIII as
Catalysts for the Addition of $RSiHCl_2$ to
Unsaturated Compounds, by A. D. Petrov, Kh. M.
Minachev, V. A. Ponomarenko, B. A. Sokolov, G. V.
Odabashyan, 4 pp.

RUSSIAN, per, Dok Ak Nauk BSSR, Vol CXII, No 2,
1957, pp 273-275.

Consultants Bureau

Sci - Chemistry
Jul 58

66,756

~~Properties of Some Organosilicon~~
 β -Alcohols (β -Hydroxyalkyltrimethylsilanes), by
A. D. Petrov, V. A. Ponomarenko, A. D. Snegova, 4 pp.

RUSSIAN, *izv. Dok Ak Nauk SSSR*, Vol CXII, No 1,
1957, pp 79-82.

Consultants Bureau

Sci - Chemistry
Jul 58

66,749

Synthesis of Trialkylbutadienylsilanes, by S. I. Sadykhzade, I. V. Avgushevich, A. D. Petrov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXII, No 4, 1957, pp 662-665.

Consultants Bureau

Sci - Chemistry
Jul 58

66,771

(FDD 31937)

DC-1122

The H. G. Kucherov Reaction, by A. D. Petrov,
20 pp.

RUSSIAN, no per, Uspekhi Khim, Vol XXI, No 2,
Moscow, Feb 1952, pp 250-259.

US JPRS/DC-L-415

Sci - Chemistry

66,060

The Synthesis of 1,1-Diphenyl-4(or 4,4)-Alkyl
(or Aryl) Alkanes Via 3,3-Diphenyl-butyronitrile, by
A. D. Petrov, V. M. Vdovin, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol 27, No 1,
1957, pp 45-47.

Consultants Bureau

Sci - Chem

Jun 58

65,320

Synthesis of Organosilicon Compounds Containing
Carbonyl and Carboxyl Groups, by A. D. Petrov,
E. A. Chernyshev, M. Biskov, 4 pp.

RUSSIAN, *iz*, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 11, 1956, pp 1445-1447.

Consultants Bureau

Sci - Chem

Jun 58

OSIR LLU N.1454 (L.A.)

65,481

Organomagnesium Synthesis of Silicohydrocarbons
Through Secondary β -Halosilanes, by A. D. Petrov,
V. F. Mironov, 6 pp.

RUSSIAN, thrice-no per; Dok Ak Nauk SSSR, Vol LXXV,
1950, pp 707-710.

CIA/FDD X-2889

Sci - Chemistry
May 58

63,112

Wurtz synthesis of organosilicon compounds having a
Double Bond in the α -Position, by A. D. Petrov, V. P.
Mironov and V. G. Glukhovtsev, 6 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 4, 1956, pp 461-466. CIA 9007074 C, Reel No 64

Consultants Bureau

Sci - Chemistry
Dec 56 CTS/dex

41, 613

Dehydrochlorination of Dichloroisopropyltrichlorosilanes
and Methylation of Chloroisopropenyltrichlorosilanes,
by A. D. Petrov, V. F. Mironov, V. G. Glukhovtsev,
4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CX,
No 1, 95-96.

Consultants Bureau

Sci - Chem

56,658

Dec 57

Tertiary Alkyl Fluorides and Alkylene Difluorides
in Organomagnesium Synthesis, by A. D. Petrov,
Y. L. Sushchinsky, M. P. Shebanova, 1 p.

RUSSIAN, no par, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 4, 1956, p 510. CIA 9007074 C, Reel No 64

Consultants Bureau

Sci - Chemistry
Doc 446 56 CTS/dax

41, 623

The Direct Synthesis of Propyl-, Isopropyl-, Butyl-,
and Isobutylsilanes, by A. D. Petrov, N. P.
Smetankina, G. I. Nikishin, 4 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XXV,
No 12, 1955, pp 2333-2335. CIA 542770-C,
reel 4.

(Handwritten notes and signatures)

37,764

Consultants Bureau

Sci - Chemistry
Aug 56

Addition of Methylchlorosilane and
Ethylchlorosilane to Allyl Halides, by
V. A. Fomarenko, B. A. Scholov, Kh. M.
Mimichev and A. D. Petrov, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol CVI, No 1, 1956, p 76.

Consultants Bureau

41, 484

Sci - Chemistry
Dec 56 CIB

Synthesis of Acid Chlorides of Silicon-Substituted
Ethylphosphinic Acids, by E. A. Chernyshev, A. D.
Petrov

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CV,
No 2, 1955, pp 282-285.

Assoc Tech Sv RJ-485
\$6.30

Sci - Chemistry
Jan 57 CTS

42,257

High-Molecular Compounds. XCVII. The Polymerization and Copolymerization of some Silicoolefins, by V. V. Korshak, A. D. Petrov, N. G. Matveeva, V. F. Mironov, G. I. Nikitin, S. I. Sadykh-Zade, 4 pp.

RUSSIAN, mo per, Zhur Obshch Khim, Vol XXVI, No 4, Apr 1955, pp 1209-1211.

Consultants Bureau

Sci - Chemistry
Feb 1957 GTS/dex

43680

and Trichloro(dichloroalkyl)-
Dehydrochlorination of Trichloro(chloroalkyl)-
Silanes. Rearrangement of 1,1,1,2,4,4,4-
Heptachloro-1,4-disilabutane during Dehydro-
chlorination With Aluminium Chloride, by A. D.
Petrov, V. F. Mironov, D. Meshantsker, 11 pp.

Full tr

RUSSIAN, no per, Iz Ak Nauk, Otdel Khim Nauk,
No 5, 1956, pp 550-558.

Consultants Bureau

Sci. Chemistry
Jan 57 GTS

42,558

ADDITION OF $C_2H_2SiHCl_2$ and $C_2H_2SiHCl_2$ to Chloro-,
Chlorotrifluoro-, and Tetrafluoro-Ethylenes, by
V. A. Fonomarenko, B. A. Scholov, A. D. Petrov, 4 pp.

Full text

RUSSIAN, no year, in Chem. Abstr. Ser. B,
No. 1, 1976, pp 688-689.

Consultants Bureau

Sci - Chemistry
Jan 57 688

42,571

Reactions of Trichlorosilane and Dichloromethylsilane
With Hanzens, by B. A. Gerasimov, A. D. Petrov, 2 pp

Full tr

RUSSIAN, no par, In Ak Nauk, Otdel Khim Nauk,
No 9, 1956, pp 630-631.

Consultants Bureau.

Sci - Chemistry
Jan 57 OES

42,572

The Direct Synthesis of Alkyl- and Alkenylchlorosilanes from 1,1-Dichloro-ethane and 2,2-Dichloropropane, by A. D. Petrov, S. I. Sadykhzade, and I. L. Tsatlin, 4 pp.

Full tr

RUSSIAN, THRICE_MO PER, Dok Ak Nauk SSSR, Vol CVII, No 1, p 99.

Consultants Bureau

41,528

Sci - Chemistry
Dec 56 CTS

Synthesis and Properties of (1-Cyano-1-Methylethoxy)
Silanes, by A. D. Petrov, V. F. Mironov, V. M.
Vdovina, 4 pp.

RUSSIAN, mime pdr, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 6, Nov/Dec 1955, pp 1122-1123,
CIA 52764 C, reel 3.

127-7142
Consultants Bureau

Sci - Chemistry

37,683

Aug 1956

Organolithium Synthesis and Properties of α - and
 β -Alkenylsilanes, by A. D. Petrov, G. I. Nikishin,
6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 5,
May 1956, pp 1233-1238.

Consultants Bureau

Sci - Chemistry
May 57

47,2697

Annual Meeting of the German Society for Petroleum
Research & Coal Chemistry, by A. D. Petrov, 3 pp. ,

RUSSIAN, per, Izvest Ak Nauk SSSR, Otdel Khim Nauk,
No 3, 1956, pp 383-384.

Asso Tech Ser 39H11R

Jul 58

69,943

Photochemical Chlorination of Phenyltrichlorosilane,
by A. D. Petrov, V. A. Ponomarenko, B. A. Sokolov,
V. U. Roshal, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 5,
May 1956, pp 1229-1232.

Consultants Bureau

Sci - Chemistry
May 57

47,268

Synthesis of 1,1-Dichlorosilocyclohexane-2-thio. by G. D.
Petrov, G. E. Nikishin, N. P. Smetanina, Yu. P. ...
Doklady, 4 19.

RUSSIAN, bimó per, Iz Ak Nauk SSSR, Otdel Khím Nauk,
No 5, Sep/Oct 1955, pp 947, 948. CIA 542755 C, reel 3

Consultants Bureau

Sci - Chemistry

37,911

Aug 1956

Low Temperature Alkylation of α - and β -Olefins with
Tertiary Alkyl Halides in Presence of Zinc Chloride,
by A. F. Mescheryakov, E. I. Erzyutova, A. D. Petrov,
6 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 1, Jan/Feb 1956, pp 67-73. CIA 542767 C,
reel 3.

Sci - Chemistry

Consultants Bureau

Aug 1956

37,573

Reactivity and Molecular Optical Properties of Alkenyl-
silanes, by A. D. Petrov, Yu. P. Egorov, V. F. Mironov,
G. I. Nikishin, A. A. Bugorkova, 6 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 1, Jan/Feb 1956, pp 50-55. CIA 542767 C,
reel 3.

Sci - Chemistry

Consultants Bureau

Aug 1956

37,572

Synthesis of Tetraisobutyl-, Tetraisopropyl-,
Tetra-cyclohexyl- and Tetra- α -naphthyl-silanes, by
A. D. Petrov, T. I. Chernysheva, 4 pp

Full translation,

HUREMI, no per, Zhur Obshch Khim, Vol XXIV, No 7,
1954, pp 1189-1192. CIA C 41479

Consultants Bureau

Scientific - Chemistry
Apr 55 CTS/dax

32,979

Grignard-Wurtz Reactions with B- and β - Alkynyl
Halides, ⁷ A. D. Petrov, E. P. Kaplan, 4 pp.

Full translation.

RUSSIAN, no par, Zhur Obshch Khim, Vol XXIV, No 8,
1954, pp 1355-1359. CIA C 41477

Consultants Bureau

33, 297

Scientific - Chemistry
Apr 56 CTS/dex

Synthesis and Reactions of β Trichlorosilylpropion-
itrilo, by A. D. Petrov, S. I. Sadykh, Zade, V. M.
Vdovin.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol C, No 4,
1955, pp 711-714.

FEB 56 13 24
ASSOC Tech Sv RJ 281
PO Box 271
East Orange, NJ

Scientific - Chemistry

Feb 56 31,079

On the Synthesis of Gamma-Acetyleneglycols by the
Favorukiy-Babalan Reaction, by A. D. Petrov, E. V.
Mitrofanova.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol IX,
No 6, 1948, pp 1003-1004.

Res Info Sv R.539
53 Nassau St
Scientific - Chemistry NY

Feb 56 31,078

The Mechanism of Polymerization of Propylene and
the Structure of Its Dimers and Trimers, by L. I.
Antsus, A. D. Petrov, 16 pp.

RUSSIAN, per, Iz Ak Nauk, No 6, 1950, pp 599-607.

CIA/FDD/XX-85
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Scientific - Chemistry Feb 56 CTS/DEX

31,157

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