

Lebedev, S. V. and Sergienko, S. R.  
DIMERIZATION OF 1,3-BUTADIENE [1961] 14p  
43refs  
Order from OTS, SLA, or ETC \$1.60 TT-61-16602

Condensed trans. of Zhurnal Obshchei Khimii (USSR)  
1935, v. 5, p. 1839-1858.

DESCRIPTORS: \*Butadienes, Polymerization, \*Cyclohexenes, Vinyl radicals, \*Bromides, Synthesis (Chemistry), Molecular structure, Crystal structure

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

TT-61-16602

1. Title: S-Vinyl cyclohexene
- I. Lebedev, S. V.
- II. Sergienko, S. R.

Office of Technical Services

Action of Some Silicates on Hydrocarbons Con-  
taining a Tertiary Butyl Radical in Their Molecule,  
by S.V. Lebedev, N.A. Kudryavtsev. 6 pp.  
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 5, 1935,  
pp 1859-1865.  
SLA TT-61-18045

Sci/Chemistry  
Jul 66

305,991

TT-61-16679

Dintses, A. I. and Zherko, A. V.  
KINETICS AND MECHANISM OF DECOMPOSITION OF  
HYDROCARBONS. III. DEPENDENCE OF THE  
DECOMPOSITION VELOCITY OF NORMAL HEXANE  
AND NORMAL OCTANE UPON THE EXTENT OF THE  
REACTION. 9p 17refs  
Order from CTS, SLA, or ETC \$1.10      TT-61-16679

I. Dintses, A. I.  
II. Zherko, A. V.  
III. Title: Dependence ...

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6  
[no. 1] p. 68-74.

(Chemistry--Organic, TT, v. 12, no. 4)

Office of Technical Services

Kireev, V. A. and Nikiforova, V. A.  
DETERMINATION OF THE VAPOR PRESSURE OF  
PROPYLENE DICHLORIDE, ETHYLENE CHLORO-  
HYDRIN AND PROPYLENE CHLOROXYDRIN. [1963]  
2p. 1 ref.

Order from OTS or SLA \$1.10

63-16036

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1936,  
v. 6 [no. 1] p. 75-77.

DESCRIPTORS: \*Propenes, Chlorides, \*Ethylenes,  
\*Halohydrins, \*Vapor pressure, Determination,  
Tables.

(Chemistry--Physical, IT, v. 10, no. 6)

63-16036

1. Title: Ethylene chlorohydrin
  2. Title: Propylene chloride
  3. Title: Propylene chlorohydrins
- I. Kireev, V. A.
  - II. Nikiforova, V. A.

Office of Technical Services

Kireev, V. A. and Romanchuk, M. A.  
OVER HET EVENWICHT IN VLOEISTOFMENGSELS  
EN OPLOSSINGEN. IX. BEPALING VAN DE OPLOS-  
BAARHEID VAN ACETYLEEN EN VINYLCHLORIDE  
IN DIVERSE OPLOSMIDDELEN BIJ 0°C. EN BIJ EEN  
DRUK LAGER DAN 1 ATMOSFEER. (Equilibria in  
Liquid Mixtures and Solutions. IX. Determination of  
the Solubilities of Acetylene and Vinyl Chloride in  
Some Solvents at 0°C. and Pressures Below One  
Atmosphere). Sp. 2 rifs. MTWL: 141. (text in Dutch)  
Order from OIS or EIC \$1.55 61-17711

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6,  
p. 78-80.

DESCRIPTORS: \*Acetylenes, \*Vinylchlorides,  
Solubility.

61-17711

- I. Kireev, V. A.
- II. Romanchuk, M. A.
- III. MTWL-141
- IV. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Slabodin, Ya. M.  
ISOMERIZATION OF CYCLIC HYDROCARBONS WITH  
AN ISOLATED SYSTEM OF DOUBLE BONDS [1961]  
10p.  
Order from ATS 513.45  
Trans. of Zhurnal Obshchey Khimii (USSR) 1936,  
v. 6, no. 1, p. 129-138

ATS-45N19R  
ATS 45N19R

CTS TT-61-16707 (1p)  
CTS TT-61-20646 (1p)

CI-2303

- 1. Hydrocarbon-Isomerism
- 2. Cyclic compounds--  
Isomerism
- 3. Ethylenes-Isomerism

108910

Office of Technical Services

(Unannounced)

Double Salts of Aryldiazonium Chlorides and Chlorides  
of Heavy Metals, by H. A. Kocheshkov, A. F. Kosmoyanov  
49 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol VI, 1936,  
pp 140-160.

HLH

PART 3

*20*

Scientific - Chemistry

Sep 53 615

5465

Tsyurikh, L. G., Efremova, E. M., Bartashev, B. A.  
and Yappu, Yu. G.  
VINYLACETYLENE AS A PRIMARY PRODUCT OF  
POLYMERIZATION OF ACETYLENE UNDER DIFFERENT  
CONDITIONS. [1961] 7p 10refs  
Order from O.T.S., S.I.A. or ETC \$1.10 TT-61-16812

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6,  
p. 197-202.

DESCRIPTORS: \*Acetylenes, \*Polymerization, Vinyl  
radicals, Catalysts, Chemical reactions, Distillation.

(Engineering--Chemical, TT, v. 11, no. 3)

TT-61-16812

I. Tsyurikh, L. G.  
II. Efremova, E. M.  
III. Bartashev, B. A.  
IV. Yappu, Yu. G.

Office of Technical Services



The Question of the Existence of the Complex  
 $MnSO_4 \cdot xSO_2$  by L. I. Kashtanov, T. A. Gulyanskaya,  
6 pp.

RUSSIAN, paper, Zhur Obshchei Khim, 1936, pp  
227-231.

SIA R-2929

Sci

Jul 59

92, 341

The Action of Certain Dihaloid Hydrocarbon Derivatives on Ethyl Ester of Phosphorous Acid and on Salts of Diethyl Phosphorous Acid, by A. Ye. Arbuzov, N. P. Kushkova, 10 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol VI, No 2, 1936, pp 283-288.

Def Sci Info Svc  
T 107 R

Scientific - Chemistry  
CIA 2103043

Dec 53 CTS/DEX

8371

Formation of Intermediate Compounds in the  
Oxidation of Sulfur Dioxide with Oxygen  
in the Presence of Catalysts and Catalyst  
Poisons, by I. I. Kashtanov and V. P. Ruizhov,  
10 pp.

RUSSIAN, per; Zhur Obshch Khim, vol VI, 1936,  
pp 549-554.

SLA #2522

Sci

Aug 58

72,835

Relation Between the Structure and Optical and  
Photographic Properties of Cyanine Dyes. II.  
Thiocyanines With Substitutes Containing  
Sulphur, by A. I. Kipryanov, Z. P. ~~EX~~ Sytnikov,  
E. D. Sych, 15 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VI, No 4,  
1936, pp 526-533.

Sci Trans Center  
RT 2352

216, 688

Scientific - Chemistry

Sep 55 CTS/DEX

The Effect of Catalysts and of Anticatalysts on  
the Kinetics and Mechanism of the Oxidation of  
Sulfur Dioxide with Ozone, by L. I. Kashtanov,  
V. P. Ruizhov, 35 pp.

RUSSIAN, part, Zhur Obshchei Khim, Vol VI, 1936,  
pp 732-747.

SLA/R-2523

Sci  
Apr 59

84, 870

62-14608

Kizhner, N. and Krasova, V.  
COMPARATIVE STUDY OF XYLENE FROM PE-  
TROLEUM AND FROM COAL TAR. [1962] 11p.

I. Kizhner, N.  
II. Krasova, V.

( refs.  
Order from OIS or SLI \$1.60 62-14608

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6,  
p. 748-756.

DESCRIPTORS: \*Xylenes. \*Petroleum. \*Coal tar.

(Unannounced)

Office of Technical Services

Alkylation of Aniline in the Presence of Mixed Catalysts. IET. Catalytic Obtaining of Monoethyl- and monomethylanilina, by H. I. Shuikin, A. K. Zatkova, A. F. Ermilina, 10 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VI, No 5, 1936, pp 774-775.

Sci Tr Center  
RT-1436

18,879

Scientific - Chemistry

Mechanism of Autooxidation of Hydrocarbons in the  
Liquid Phase, by N. N. Kikulyova, M. B. Kuznetsov,  
48 pp.

Abstract, per, Khim. Obshch. Zhim (USSR), Vol VI,  
No 6, 1936, pp 821-838.

Assoc Tech Serv  
161268

ATS/RJ-1615

Rec. - Chem

May 59

Chem, V. 3, No 6

86,314



Zal'kind, Yu. S. and Zonis, S. A.  
 $\alpha$ -VINYLNAPHTHALENE AND SOME DERIVATIVES  
OF IT. [1961] 10p. 30 refs.  
Order from CTS or SLA \$1.10

61-18151

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6,  
p. 988-998 (certain sections summarized).

DESCRIPTORS: Vinyl radicals, Naphthalenes.

(Unannounced)

61-18151

I. Zal'kind, Yu. S.  
II. Zonis, S. A.

Office of Technical Services

Investigation of Reduction of Aromatic Nitro  
Compounds, II, by V. O. Lukashevich, 21 pp

RUSSIAN, per, Zhur Obshch Khim, Vol VI, No 8,  
1936, pp 1064-1073.

CIA/FDD/X-1616

Scientific - Chemistry Apr 55 CTB

22,836

Oxidation of Phosphorus in Mixtures with Wood  
Charcoal, by V. M. Osipov, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VI, 1936,  
pp 1096-1100.

SLA R-9213

Sci

Jul 59

92,356

Formation of Intermediate Compounds in the Oxidation  
of Sulfur Dioxide Solutions with Ozone, by L. I.  
Kashtanov, I. M. Oleshchuk, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VI, 1936, pp  
1112-1115.

SLA R-2928

Sci

Jul 59

92,601

Akhumov, E. I. and Ezerova, E. A.  
ELECTROLYSIS OF SODIUM CHLORIDE IN LIQUID  
AMMONIA. III. INVESTIGATION OF SOLUBILITY IN  
THE TERNARY SYSTEM  $\text{NaCl-NH}_4\text{Cl-NH}_3$ . [1963]  
[17]p. 20 refs.

Order from OTS or SLA \$1.60

63-18044

Trans. of *Zhurnal Obshchei Khimii* (USSR) 1936, v. 6,  
no. 10, p. 1418-1429.  
Another trans. is available from LC or SLA mi\$2.40,  
ph\$3.30 as 60-17714, TVA-3717, 13 May 58, 19p.

DESCRIPTORS: \*Phase studies, \*Electrochemistry,  
\*Sodium compounds, \*Ammonium compounds, Chlo-  
rides, \*Ammonia, Solubility, Thermodynamics,  
Electrolysis, Platinum electrodes.

(Chemistry--Physical, TT, v. 10, no. 6)

63-18044

I. Akhumov, E. I.  
II. Ezerova, E. A.

Office of Technical Services

Zhur Obshch Khim Vol 6, page 1430-2 (1936)

The So-Called Katz Effect. by I. Tananaev.

AEC Trans (avail. Brookhaven)

Studies in the Field of Chloro Derivatives of  
Hydrocarbons of the Aliphatic Series. III. Chlorination  
of 1,2- and 2,3-Dichlorobutanes, by D. V. Fitchenko,  
A. Ghusakov,

RUSSIAN, Izv. Akad. Nauk SSSR, Vol. VI, No. 10, 1955,  
pp. 1558-1559.

ATG RJ-2102

Sci. - Chem.

May 60

115,395

An Electrochemical Investigation of the System  
 $AlBr_3-Al_2Br_6$  in Ethyl Bromide, by V. A. Plotnikov,  
S. I. Yakubson, 6 pp.

RUSSIAN, per, Zhur. Obshch. Khim., Vol VI, No 11,  
1936, pp 1694-1697.

Sci Mus Lib - 56/0586

A.E.R.E. Harwell Tr 609

Sci - Chemistry.

36, 386

Jul 1956



On Some Fluoride Compounds of Quadrivalent Uranium  
and the Possibility of Quantitative Determination  
of Uranium in the Form of Fluoride, by V. G.  
Ksiopia, E. I. Gerling, 14 pp.

*RUSSIAN*  
RUSSIAN, per Zhur Obshch Khim, Vol VI, No 11, 1936,  
pp 1701-1714.

*144 M-4509*  
AEC TR  
Sci Mus Lib No 54/0695

*16,073*  
Scientific - Chemistry

*PT-1968*  
Oct or Nov 49 CES

Gutner, B. and Tishchenko, D.  
RESEARCH ON ALIPHATIC HALOGEN DERIVATIVES.  
IV. CATALYTIC CONVERSION OF 2,3-DICHLORO-  
BUTANE IN THE PRESENCE OF STEAM. Sp 17refs  
Order from OTS, SLA, or ETC \$1.10      TT-61-16626

Trans. of Zhurnal Obshchey Khimii (USSR) 1936, v. 6,  
p. 1729-1736.

TT-61-16626

I. Gutner, B.  
II. Tishchenko, D.  
III. Title: Catalytic ...

(Chemistry--Organic, TT, v. 12, no. 4)

Office of Technical Services

The Effect of Nitrogen Dioxide on Benzene, Toluene,  
and Chlorobenzene, I. ~~With~~ Nitration With Nitrogen  
Dioxide in the Presence of Sulfuric And Phosphoric  
Acids, by A. I. Titov, A. N. Baryshnikova, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, ~~№~~ No 6, 1936,  
pp 1801-~~28~~ 1805.

28,669

CIA/FDD/KX-9

IAC Internal Use Only

Scientific - Chemistry

Nov 55 CTS

Sobodin, Ya. M.  
ISOMERIZATION OF ALLENE HYDROCARBONS.  
III. ISOMERIZATION OF TETRAMETHYLLALLENE.  
9p 16rmb  
Order from OTS, SIA, or ETC \$1.10      TT-61-16836  
Trans. of Zhurnal Obshchei Khimii (USSR) 1936,  
v. 6, p. 1806-1814.

TT-61-16836

I. Sobodin, Ya. M.  
II. Title: Isomerization ....

(Chemistry--Organic, TT, v. 12, no. 4)

Office of Technical Services

On Complex Compounds Obtained by Reaction of Phenyl  
Stibine Chloride With Phenyl Diazonium Chloride,  
by A. B. Bruker, 13 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VI, No 2,  
1936, pp 1823-1827.

NIH

Scientific - Chemistry  
CTS/MSK

6302

A New Method of Synthetizing Glycerides,  
by V. P. Golendeyev.

RUSSIAN, no per, Zhur Obshch Khim,  
Vol VI, No 12, 1936, pp 1841-1846.

Def Sci Info Sv,  
DRB, Canada  
T 125 R

Scientific - Chemistry CTS/DEX

13,782

+

The Action of Nitrogen Dioxide on Benzene, Toluene,  
and Chlorobenzene - Part II (Preliminary). by  
A. I. Titov, 11 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol VI, 1936,  
pp 1855-1862.

CIA/FDD/XY-48

30,369

Scientific - Chemistry

Jun 56 CFB/DEX

FOR INTERNAL USE ONLY

TT-61-16811

I. Slobodin, Ya. M.  
II. Title: Equilibrium...

Slobodin, Ya. M.  
ISOMERIZATION OF ALLENE HYDROCARBONS BY  
SILICATES. IV. EQUILIBRIUM IN THE SYSTEM  
ALLENE-ALLYLENE. [1961] 6p 16:refs  
Order from OTS, SLA, or HTC \$1.10      TT-61-16811

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6,  
p. 1872-1875.

See also 61-13130

DESCRIPTORS: \*Alkenes, \*Propynes, \*Dienes, Acety-  
lenes, Chemical equilibrium, Molecular isomerism,  
Polymerization, \*Silicates

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

Office of Technical Services



Rathman, F. F.  
ABSORPTION OF PROPYLENE AND CYCLOPROPANE  
BY MEANS OF SOLUTIONS OF SULPHURIC ACID.  
8p. 11 refs. MTWL: 161.  
Order from CTS or ETC \$1.55 61-17847

Trans. of Zhurnal Obshchei Khimii (USSR) 1937,  
v. 7, no. 1, p. 14-17.

DESCRIPTORS: \*Propenes, \*Sulfuric acid, Solutions,  
Absorption.

61-17847

- I. Rathman, F. F.
- II. MTWL-161
- III. Stichting Moelijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Kinetics of Solvation of Calcium Carbonate,  
by V. M. Gortikov, L. I. Dantelcyeva,

RUSSIAN, ~~per~~, Zhur Obshch Khim, Vol VII,  
No 1, 1937, pp 56-64.

Assoc Tech Svc

~~Sci-Tech Center~~

~~NSA~~

RJ-140

18,908

Scientific - Chemistry

Zhur Obshch Khim Vol 1, page 84-9 (1937)

The Structure of Hypophosphorous Acid.  
by V. M. Pletz.

AEC Trans (avail. Brookhaven)

Zh Obshch Khim

Vol 7, pp 90-2, 1937 .

On the structure of hypophosphorus acid. II. The reaction of aromatic hydrazines with salts of hypophosphorous acid, by V. M. Plets

AEC/BNL/Tr 128

NIH5-63

Done by Sci Res Div,  
S.B. - # 50/1117

Serebryakova, E. K. and Frost, A. V.  
EQUILIBRIUM OF HYDROCARBON REACTIONS. X.  
THE EXPERIMENTAL STUDY OF EQUILIBRIUM BE-  
TWEEN NORMAL BUTENE AND ISOBUTENE. [1962]  
11p. (figs. omitted).

Available on loan from SLA

63-10407

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7,  
[no. 1] p. 122-130.

DESCRIPTORS: \*Hydrocarbons, Chemical reactions,  
\*Chemical equilibrium, \*Butenes, Molecular  
isomerism, \*isomeric transitions, Catalysts,  
Phosphoric acids.

The equilibrium constants between normal butenes and  
isobutenes are given in the temperature interval of  
265° to 426°C. The experimental data from the equilib-  
rium constants are embraced by equation:  
(Chemistry--Organic, T<sup>1</sup>, v. 9, no. 7)

(over)

63-10407

I. Serebryakova, E. K.  
II. Frost, A. V.  
III. Title: Experimental...

Office of Technical Services

Chemistry of Titanium, VI. Scheme of Reaction and  
Products of Chlorination of Materials Containing  
Titanium, by A. V. Pamfilov, & E. G. ~~ESH~~ Shtandel,  
7 pp.

RUSSIAN, ~~REF.~~ Zhurnal Obshch Khim, Vol. VII, No 1,  
1937, pp 258-261.

Sci Trans Center RT-871

Scientific - Chemistry  
CPS/DEX

14,042

Zh Obshch Khim Vol 7, pp 270-2, 1937

On the structure of hypophosphorous acid. III. The reaction of aromatic diazo-compounds with phosphorus trichloride and sodium di-isopropyl sodium phosphite, V. M. Plets

AEC/BNL/Tr 129

*Done by Sci Mus Lib  
V.B. - # 50/1116*

Structure of Hypophosphorous Acid. IV. Reaction  
of Salts of Hypophosphorous Acid With Alkyl Halides,  
by V. M. Plets, 9 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol VII, No 1,  
1937, pp 273-276.

Sci Tr Ctr RT-3426

Scientific - Chemistry

34,874

May 56 CTS/dex



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

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

US Dept of Commerce  
Patent Office  
Sci Lib (Gift)

Sci - Chemistry  
Mar 1957 CIS/dex

44,750

Contra's Conversion of Cyclohexylacetylene, by R. Ye.  
Levina, A. A. Potapova, 7 pp.

RUSSIAN, 1937, Khim Gesh Khim, Vol VII, 1937, pp 353-356.

SLA 59-19117

Sci  
Jan 60  
Vol III, No 5

119,071

Rate of Transformation of Ammonium Nitrate from  
Alpha-to-Beta-Form, by V. K. Pershke, A. N. Popov,  
9 pp.

RUSSIAN, per, Zhur Obschei Khim, Vol VII, 1937,  
pp 363-368.

SLA/R-2470

Sci  
Apr 59

84,889

Petrov, A. A. and Sapezhnikova, A. F.  
ANIMALS DEHYDROGENATION OF SOME TRI-  
AND TETRACHLORINE DERIVATIVES. [1961] (6p.  
20 refs.)

Order from CTS of SLA \$1.10 61-13101

From: Zhurnal Obshchei Khimii (USSR) 1967, v. 37,  
no. 3, p. 477-481

DESCRIPTORS: Hydrogens, Isomers, peptides, Bromides,  
Sulfates.

(Unclassified)

61-13101

I. Petrov, A. A.  
H. Sapezhnikova, A. F.

Office of Technical Services

Kaplan, S. I., Grishin, N. A., and Skvortsova, A. A.  
EQUILIBRIUM IN SOLUTIONS. II. THE BOILING TEM-  
PERATURE UNDER ATMOSPHERIC PRESSURE AND  
THE COMPOSITION OF THE VAPOR OF BINARY  
MIXTURES OF DICHLOROETHANE WITH ETHYLENE  
CHLORHYDRIN AND DICHLOROETHANE WITH  
ETHYLENE OXIDE. [1954] 10p

Order from K-H \$6.00

K-H-1092

TRUSS. of Zhurnal Obshch. Khimii (USSR) 1957, v. 7,  
p. 538-544.

Another TRUSS. is available in Dutch from CTS or ETC  
\$1.85 as TT-61-17747, RTWL-102, 11p.

Chemistry--Physical, TT, v. 11, no. 11)

TT-64-12911

- I. Kaplan, S. I.
- II. Grishin, N. A.
- III. Skvortsova, A. A.
- IV. Title: Boiling...
- V. K-H-1092
- VI. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

Equilibrium in Solution. III. The Solubility and Vapor Pressure of Solutions of Ethylene Oxide in Water and in Dichloroethane, by S. I. Kaplan, A. S. Reformatskaya.

Full translation.

RUSSIAN, par, Zhur Obshch Khim, Vol. VII, USSR, 1937, pp 545-549.

AEC Tr 1347

Sci - Chem

AUG 52 CTS

DEF

The Effect of Nitrogen Peroxide on Benzene, ~~Xax~~  
Toluene, and Chlorobenzene; III. Nitration by  
Nitrogen Peroxide in the Presence of Aluminum  
Chloride, Phosphorus Pentachloride and Mercuric  
Nitrate, by A. I. Titov, 8 pp.

CTS - 77-61-18087

RUSSIAN, per, Zhur Obshch Khim, N Vol VII, No 3/4,  
pp 591-594.

CIA/FDD/X-1700

25,167

Scientific - Chemistry

Jul 55 CTS

61-18114

Tsukervanik, I. P. and Vikhrova, G.  
CONDENSATION OF ALCOHOLS [WITH AROMATIC  
HYDROCARBONS IN THE PRESENCE OF ALUMINUM  
CHLORIDE. III. CONDENSATION OF PRIMARY AL-  
COHOLS WITH BENZENE AND TOLUENE. [1961] 4p.  
6 refs.

Order from OTS or SLA \$1.10

61-18114

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7,  
p. 632-636.

DESCRIPTORS: Condensation reactions, Alcohols, Hy-  
drocarbons, Aluminum compounds, Chlorides, Ben-  
zenes, Toluenes.

(Unannounced)

- I. Tsukervanik, I. P.
- II. Vikhrova, G.
- III. Title: Condensation ...

Office of Technical Services



TT-61-16973

Tsukervanik, I. P. and Sidorova, N. G.  
CONDENSATION OF ALCOHOLS WITH AROMATIC  
HYDROCARBONS IN THE PRESENCE OF ALUMINUM  
CHLORIDE. V. CONDENSATION OF CYCLOHEXANOL  
WITH BENZENE AND TOLUENE. 6p refs  
Order from OTS, SLA, or ETC \$1.10    TT-61-16973

I. Tsukervanik, I. P.  
II. Sidorova, N. G.  
III. Title: Condensation ...

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7,  
p. 641-645.

(Chemistry--Organic, TT, v. 12, no. 4)

Office of Technical Services

Nitration of Benzaldehyde and Nitro Derivatives of Benzene, Toluene, and Chlorobenzene With Nitrogen Peroxide; Communication IV, by A. I. Titov, 10 pp.

RUSSIAN,  
~~ОСНОВЫ~~ per, Zhur Obshch Khim, No 3/4, pp 667-672.

*DTS-77-01-18086*

CIA/FDD/X-1701

*25,166*

Scientific - Chemistry

Jul 55 CTS

Physical and Chemical Properties of Polystyrene,  
by N. P. Korzhavin.

RUSSIAN, per, Zh. Prikl. Khim., No 10, 1937,  
pp 676-682.

NLL Ref: 5828.4F (M.13066)

Sci/Mat  
May 69

381,008

Chemistry of Titanium, VIII, Chlorination of  
Titanium Compounds With a Mixture of Chlorine and  
Carbon Monoxide, by A. V. Pamfilov, M. G. Shikher,  
12 pp.

RUSSIAN, per, Zhur Obshch khim, Vol VII, No 22,  
1937, pp 760-766.

Sci Trans Center RT-872

Scientific - Chemistry

CTS/DEX

14,041

Investigations of the Catalytic Nature of Rhenium.  
III. Methods of Obtaining Rhenium Catalysts, by  
M. S. Flatonov, V. I. Tomilov, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VII, 1937,  
pp 776-777.

<sup>g</sup>  
~~SECRET~~ CIA/FDD/X-1400

Scientific - Chemistry

EM CTS/DEX

SP 113

16,778

Solubility of Ozone in Water and Sulfuric Acid of  
Various Concentrations by L. I. Keshstanzov, O.N.  
Oleshchuk

RUSSIAN, per, Zhur Obshch Khim, Vol VII, 1937, pp  
839-841.

SLA R-2901

Sci

Jul 59

92,600

Catalytic Oxidation of some Aromatic Compounds, by  
Yu . S. Zalkind, V. V. Kesarev, 5 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol VII, No 5,  
1937, pp 879-881.

Sci Tr Ctr RT-386

Sci - Chemistry  
Aug 56 CTS/dak

37,546

Orlov, S. M.

STRUCTURE OF THE ISOMERS OF 2-BUTENE. [1961]

5p 8 refs

Order from OTS, SLA, or ETC \$1.10      TT-61-16601

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7,  
p. 923-927.

DESCRIPTORS: \*Butenes, Polymerization, \*Octenes,  
Synthesis (Chemistry), Molecular structure, Molecular  
isomerism

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

TT-61-16601

1. Title: 3,4,5,6-Tetra-  
methyl-4-octene
  2. Title: 3,4,5,6-Tetra-  
methyl-2-octene
- I. Orlov, S. M.

Office of Technical Services



Lozovoi, A. V., D'yakova, M. K., and  
Stepantseva, T. G.  
SOME PHYSICAL CONSTANTS OF HYDROCARBON  
MIXTURES. [1961] [8]p. 8 refs.  
Order from OTS or SLA \$1.10

61-18135

Trans. of Zhurnal Obshchei Khimii (USSR) 1937,  
v. 7, p. 1119-1132.

DESCRIPTORS: Hydrocarbons, Mixtures, Physical  
properties.

(Unannounced)

61-18135

I. Lozovoi, A. V.  
II. D'yakova, M. K.  
III. Stepantseva, T. G.

Office of Technical Services

|  |   |
|--|---|
| <p>Izbekov, V. and Nizhnik, A.<br/>ALUMINUM IODIDE AS A SOLVENT. [1961] [17]p.<br/>31 refs.<br/>Order from OTS or SLA \$1.60      61-10978</p> | <p>61-10978</p>                           |
| <p>Trans. of [Zhurnal Obshchey Khimii]:(USSR) 1937,<br/>v. 7 [no. 8] p. 1268-1279.</p>   | <p>I. Izbekov, V.<br/>II. Nizhnik, A.</p> |
| <p>DESCRIPTORS: *Aluminum compounds, *Iodides,<br/>Solvent action, Solubility, Conductivity, Temperature,<br/>Fused materials.</p>             | <p>161654</p>                             |
| <p>(Unannounced)</p>   | <p>Office of Technical Services</p>       |

62-14410

Tishchenko, V. E. and Kosternaya, A. F.  
THE XANTHATE METHOD OF L. A. CHUGAEV  
APPLIED TO DIHYDROXY ALCOHOLS. [1943] 26p.  
31 refs.

I. Tishchenko, V. E.  
II. Kosternaya, A. F.

Order from OTS or SLA \$2.60 62-14410

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7  
[no. 9] p. 1366-1377.

DESCRIPTORS: Hydrocarbons, Synthesis, Alcohols,  
Hydroxides, Xanthates, Glycols, Ethylenes, Sodium,  
Carbonates.

(Unannounced)

Office of Technical Services

62-14611

Tishchenko, V. E. and Kosternaya, A. F.  
APPLICATION OF L. A. CHUGAEV'S XANTHATE  
METHOD TO DIHYDRIC ALCOHOLS FOR PREPARA-  
TION OF UNSATURATED HYDROCARBONS. [1962]

11p. 31 refs.

Order from OTS or SLA \$1.60

62-14611

- I. Tishchenko, V. E.
- II. Kosternaya, A. F.
- III. Chugaev, L. A.

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7  
[no. 9] p. 1366-1377.

DESCRIPTORS: Hydrocarbons, Synthesis, Glycols,  
Ethylenes, Xanthates, Alcohols, Esters, Pyrolysis,  
Decomposition, Sodium.

(Unannounced)

Office of Technical Services

The Oxidation of Phenol by Ozone in Water and  
Sulfuric Acid of Different Concentration in the  
Presence of Manganese Sulfate, by L. I. Kashtanov,  
O.N. Oleshchuk, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VII, 1937,  
PP 1413-1416.

SLA R-2900

Sci

Jul 59

92, 363

61-18117

Levina, R. Ya. and Zelinskii, N. D.  
CONTACT ISOMERIZATION OF OLEFINS. [1961]

7p. 15 refs.

Order from CTS or SLA \$1.10

61-18117

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7,  
p. 1587-1593.

DESCRIPTORS: Ethylenes, Isomeric transitions.

I. Levina, R. Ya.  
II. Zelinskii, N. D.

(Unannounced)

Office of Technical Services

Kozlov, V. V.  
 ONDERZOEKINGEN OP HET GEBIED DER DIAZOVER-  
 BINDINGEN. I. DE DIAZOTERING VAN AMINEN MET  
 BEHULP VAN STANNOVERBINDINGEN (Diazo com-  
 pounds. I. Diazotization of amines in the presence of  
 bivalent Sn salt). (3p. 13 refs. NTWL:682.  
 (Text in Dutch).  
 Order from OTS or EIC S185 61-17367

Trans. of Zhurnal Obshchei Khimii (USSR) 1937,  
 p. 1635-1641.

DESCRIPTORS: Amines, Organo radicals, Tin compounds  
 Chemical reactions.

61-17367

- I. Kozlov, V. V.
- II. NTWL-682
- III. Stichting Moeilijk Toegankelijke Wetenschap-  
 pelijke Literatuur

Office of Technical Services

Catalytic Transformations of Heterocyclic  
Compounds, by Yu. K. Yur'ev, M. N. Prokina.  
*RUSSIAN*, per, Zhurnal Obshchei Khimii,  
Vol VII, 1937, pp 1868-1873.  
SLA TT 64-20254  
502

Sci  
May 67

327,194



Determination of the Vapour Tension of Tantalum  
and Niobium Chloride, by M. A. Opykhtina,  
M. A. Fleisher,

RUSSIAN, *Izv. Akad. Nauk SSSR, Ser. Khim.*, Vol VII,  
No 14, 1937, pp 2016-2021.

TPA3/TIB  
T 4289

Scientific - Chemistry Feb 55 CTS

20,864

Action of Aromatic Diazo Compounds on Unsaturated  
Compounds, Part I., by A. P. Terent'ev, 2 pp.

RUSSIAN, Tr. Zhur Obshch Khim, Vol VII, 1937,  
pp 2226, 2026-2027.

CIA/FDD/X-1323

Scientific - Chemistry  
EXT DEX

4094

Action of Aromatic Diazo Compounds on Unsaturated  
Compounds, II. A Sensitive Reagent for 1, 3-Butadiene,  
by A. P. Terent'ev, E. M. Ivanova, 2 pp.

RUSSIAN, per. Zhur Oshch Khim, Vol. VII, 1937,  
pp 2028-2029.

CIA/FDD/K-1324

Scientific - Chemistry  
DEX

14,084

Specific Heat of Molten Sodium Hydroxide, by V. R.  
Morashkevich, A. N. Vishnevskiy.

RUSSIAN, per, Zhurnal Obshchei Khimii, Vol VII,  
No 16, 1937, pp 2175-2182.

Assoc Tech Svc  
~~XXXXXXXXXXXX~~  
RJ-178

Scientific - Chemistry

17,451

III. ~~Buta~~ Reduction of Nitro Compounds and Allied  
Products in the Presence of Acids, by V. O.  
Lukashevich, 43 pp.

RUSSIAN, ~~Per, Zhur Obshch Khim~~, Vol VII, No 16,  
1937, pp 2209-2225.

NLL M. 2868  
CIA/FDD/E-1627

Scientific - Chemistry Apr 55 CRS

22,930

A Research in the Field of Oxazolines and Thiazolines,  
by Sergeev, Kolychev, Kondrat'yev

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol VII, 1937, #  
No 20-21, pp 2600-2604.

Def Sci Info Sv,  
DRB Canada, R.100.R.

Scientific-- Chemistry

Jul 53 CTS/DEX

4152

Diphenyl Cadmium, by A. N. Nesmeyanov,  
G. L. Makarova, 10 pp,

RUSSIAN, per, Zhur Obshch Khim, Vol. VII,  
No 20/21, 1937, pp 2549-2553.

Sci Mu Lib No 54/3312  
Nat Res Lib TR-474

Scientific - Chemistry

Apr 55 CTB

22,576

Chemistry of Titanium IX. Structure of Titanium  
Oxide Precipitates, by A. V. Pamfilov, M. G.  
Ivancheva, 10 pp.

Ye.

RUSSIAN, per Zhurn Obshch Khim, Vol VII, No 22, 1937,  
pp 2774-2778

2774-2778

Sci Trans Center RT-976

scientific - Chemistry  
CTS/DEK

14,035



Condensation Products of Glycerol With Halo  
Acetones and Acetol, by V. V. Evlampiev.  
RUSSIAN, per, Zhurnal Obshchei Khimii,  
Vol VII, No 24, 1937, pp 2941-2944.  
SLA TT 64-20445

May 67

325,054

The Part Played by the Surface in Processes of  
Oxidation of Aqueous Solutions of Sulfur Dioxide  
with Oxygen and Ozone, by L. I. Kashtanov, O. N.  
Gleshtuk, 9 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol VII, 1938,  
pp 182-187.

SLA/R-2485

Sci  
Apr 59

84,868

Derivatives of 9,10-Dihydrophenphosphazine.  
Preliminary Report, by P. G. Sergeev,  
D. G. Kudryashov, 18 pp,

RUSSIAN, per, ~~Zhur Obschek Khim~~, Vol VIII, No 3,  
1958, pp 266-272., CIA D-151312

SLAR-908  
NIE

Scientific - Chemistry

May 55 CTS

22,488

Medoks, G. V.  
ON THE ACTION OF THE GRIGNARD REAGENT  
ON TETRAFLUROSILICON. II. ABOUT TRIBEN-  
ZYLFLUOROSILANE. [1964] 6p 5refs  
Order from OTS, SLA, or ETC \$1.10 TT-64-10021

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1938,  
v. 8, p. 291-295.

(Chemistry-Organic, TT, v. 12, no. 2)

TT-64-10021

I. Medoks, G. V.  
II. Title: About...

Office of Technical Services

The Infrared Absorption Spectra of Gossypol  
Derivatives, by A. M. Zamyshlyeva, S. S. Krivich,  
11 pp.  
RUSSIAN, per, Zhur Obsch Khim, Vol VIII, No 4,  
1938, pp 319-~~ix~~329.  
OTS 64-11078  
PL-480

Sci - Chem  
Jan 65

271,050

A Study by the Optical Method of the Behavior of the  
Manganese Salt Catalyst in Strong Acid Solutions  
in the Presence of Ozone, by L. I. Kashtanov,  
O. N. Oleshchuk, 7 pp.

RUSSIAN, per, *Zhur Obshcher Khim*, Vol VIII, 1938,  
pp 341-345.

SLA R-2930

Sci

Jul 59

92, 342

Infrared Absorption Spectra of Gossypol Derivatives,  
by A. M. Zamyshlyayeva, S. S. Krivich.

*Zh. Obshchey Khim.*

RUSSIAN, per, ~~Gen Chem~~ (USSR), No 8, 1938,  
pp 319-329. (Chem Abs 5303<sup>5</sup> - 1938)

\*PL-480  
USDA

Sci -  
Jun 63

Experiments on the Cleavage of 2,5-Dimethyl-3-Hexyne-2,5-Diol, by A. T. Babayan.  
RUSSIAN, per, Zh Obshch Khim, Vol 8, No 6, 1938,  
pp 578-580.  
ATS RJ-5064

Sci-Chem  
July 69

385,476



61-18102

I. Osokin, A. S.

Osokin, A. S.  
COMPLEXES OF MAGNESIUM CHLORIDE WITH  
OXYGEN COMPOUNDS. [1961] 3p. 7 refs.  
Order from OTS or SLA \$1.10

61-18102

Condensed trans. of Zhurnal Obshchei Khimii (USSR)  
1938, v. 8, no. 7, p. 583-587.

DESCRIPTORS: Complex compounds, Magnesium  
compounds, Chlorides, Oxygen compounds.

(Unannounced)

Office of Technical Services

Kazanskiĭ, B. A. and Glushnev, N. F.  
HYDROGENATION OF AROMATIC HYDROCARBONS  
THROUGH REACTION WITH CALCIUM-AMMONIA.  
16 p. 10 refs. MTWL-615.  
Order from OIS or ITC \$1.85 61-17237

Trans. of Zhurnal Obshchey Khimii (USSR) 1937,  
v. 8, no. 7, p. 642-650.

DESCRIPTORS: \*Benzenes, Hydrocarbons,  
\*Hydrogenation, Calcium, Ammonia.

61-17237

- I. Kazanskiĭ, B. A.
- II. Glushnev, N. F.
- III. MTWL-615
- IV. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

59  
Oxidation of Sulfur Dioxide by Ozone in the  
Presence of Oxygen in Various Concentrations,  
by L. I. Kashtanov and V. P. Rykhov, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, SSSR, Vol  
VIII, 1938, pp 746-750.

SLA R-2419

Sci

Aug 58

72,130

Nikitina, K. A.  
COMPOSITION AND PROPERTIES OF SILICOMOLYBDIC  
ACID. [1963] 14p (refs omitted)  
Order from OTS, SLA or ETC \$1.60 TT-63-20795

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1938,  
v. 8, p. 751-758.

DESCRIPTORS: \*Reagents, \*Silicon compounds,  
\*Molybdic acids, Synthesis (Chemistry), Hydrates,  
Crystallization, Dehydration, Chemical analysis,  
Chemical properties.

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

TT-63-20795

I. Nikitina, K. A.

Office of Technical Services

Mutual Displacement of Metals From the  
Vapours of their Salts and the Use of  
the Process in the Struggle Against  
Corrosion, by Izgaryshev.

RUSSIAN, per, Zhurn. Obshchei Khimii,  
Vol 8, No 9, 1938, pp 850-853.

\*RISI 4521

Sci/201  
Nov 65

Oxy- and Methoxy-Substituted Acridines, by S. M. Sherlin,  
G. I. Braz, A. Ya. Yakubovich, E. I. Vorob'eva,  
F. E. Rabinovics.

Full translation.

RUSSIAN, as per, Zhurn Obshch Khim, Vol VIII, No 10,  
USSR, 1938, pp 334-395.

AEC Tr 1382

*NLL 011124*

Scientific - Chemistry, Oxy-, Methoxy, Acridines

Sep 52 CFS/DEK

Nitration with Nitrogen Dioxide, Part 3. Nitration  
of Aliphatic Hydrocarbons, by P. P. Shorygin, A. V.  
Popovlev, > 2-

RUSSIAN Ser, Zhur Obshch. Khim. VII, No 11.  
1938, pp 151-55.

Assoc Tech Serv RJ626

Sci  
Apr 59

84,434

On the Ternary System  $AlF_3-HF-H_2O$ , by I. Tananayev,  
8 pp.

RUSSIAN, per Zhur Obshch Khim, Vol VIII, No 12,  
1938, pp 1120-1124.

Sci Tr Center  
RP-1590

Scientific - Chemistry

OTS 62-24444

CTB/DEX

18,762



63-18610

- I. Title: Alkyltriethoxy monosilanes
- I. Andrianov, K. A.
- II. Title: Mechanism ...
- III. Title: Mekhanizme ...

Andrianov, K. A.  
INVESTIGATIONS IN THE REALM OF ALKYL- AND  
ARYL- SUBSTITUTED ESTERS OF SILICIC ACID. IV.  
THE MECHANISM OF HYDROLYSIS AND ANHYDRIDE  
FORMATION OF ALKYLTRIETHOXYMONOSILANES  
(Issledovaniya v Oblasti Khimii i Aril-Zameshchennykh  
Eftrov Kremneroi Kisloty. IV. O Mekhanizme Gidroliza  
i Anhidritizatsii Alkil-Trietoksilmonosilanov). [1963]  
[24p] (foreign text included) Grafts  
Order from CTS or SLA \$2.60 63-18610

Trans. of Zhurnal Obshchei Khimii (USSR) 1938, v. 8,  
no. 13, p. 1233-1233

DESCRIPTOR S: \*Silicic acids, \*Silanes, Alkyl  
radicals, Alkoxy radicals, Hydrolysis, Anhydrides,  
Boryl radicals, Esters, Substitution reactions.

(See also 59-20729)  
(Chemistry--Organic, TT, v. 10, no. 11)

Office of Technical Services

Platz, V. M.  
PROBLEMS OF ORGANIC COMPOUNDS OF TITANIUM.  
Jan 64, 1950  
Order from LSA \$16.85

Trans. of Zhurnal Obshch. Khimii (USSR) 1933, v. 8,  
no. 14/15, p. 1298-1301.

DESCRIPTORS: "Titanium compounds," "Organic  
compounds"

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

TI-64-12342

I. Platz, V. M.  
II. Literature Service  
Associates, Bound  
Brook, N. J.

Office of Technical Services

Nemtsov, M. S., Nizovkina, T. V., and  
Soskina, E. A.

INVESTIGATION OF PYROGENETIC HYDROCARBON  
CONDENSATION REACTIONS. PART 7. THERMO-  
POLYMERIZATION OF N-OCTENE. 25p. 1<sup>o</sup> refs.  
MTWL: 399.

Order from OTS or ETC SI 93

61-32017

Trans. of Zhurnal Obshchei Khimii (USSR) 1938, v. 8,  
no. 14-15, p. 1314-1324.

DESCRIPTORS: Hydrocarbons, Polymerization,  
\*Condensation reactions, \*Octenes, Reaction Kinetics.

61-32017

- I. Nemtsov, M. S.
- II. Nizovkina, T. V.
- III. Soskina, E. A.
- IV. MTWL-399
- V. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Organic Esters from Ethylene Hydro-  
carbons, by T. D. Aldoshin, 7 pp.

RUSSIAN, per, Zhur Obshcha Khim, Vol VIII,  
1938, pp 1385-1389.

SLA R-2333

Sci

Aug 58

72,146

Acetonation of 9,10,12-Trihydrozystearic  
Acids, by V. I. Esafov,  
RUSSIAN, per, Zh. Obshch. Khim., Vol VIII,  
1938, pp 1594-1596.  
AEC ORNL-tr-1135

Sci-Chem  
May 67

326,246

Obtaining Anisal-p-aminobenzonitrile, by  
B. M. Kogolovskiy, 4 pp.

RUSSIAN, per, Zhur Obahch Khim, Vol VIII,  
No 17, 1938, pp 1784-1785.

Sci Tr Center  
IT-1508

Scientific - Chemistry

18,913

Alkylamine Derivatives of 6-Nitro and 6-  
Chloroquinazolines, by O. Yu. Nagidson and  
E. S. Golovchinskaya  
RUSSIAN, par, Zh. Obshch. Khim. Vol 8, No 17,  
1938, pp 1797-1809.  
MLL Ref: 5828.4P (12677)

Sci-Chemistry  
Jul 68

360,791

Sprvskov, A. A.  
EEN STUDIE OVER DE SULFONERINGSREACTIE.  
I. MECHANISME VAN HET MONOSULFONERINGS-  
PROCES (A Study of the Sulfonation Reaction. I. Me-  
chanism of the Process of Monosulfonation) tr. by  
G. J. M. Fritschy. 12p. 10 refs. MTWL: 125.  
(text in Dutch)  
Order from OIS or BIC \$1.85 61-17730

Trans. of Zhurnal Obshchei Khimii (USSR) 1938,  
v. 8, p. 1857-1863.

DESCRIPTORS: \*Sulfonic acids, \*Naphthalenes,  
Sulfuric acid, Chemical equilibrium.

61-17730

- I. Sprvskov, A. A.
- II. MTWL-125
- III. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services