

VINOGRADOV, G.V., and BORODULINA, L.P.  
R-2876. Nomographs for the Langmuir equation.  
Zhur. Priklad. Khim., 21, p.249-50, 1948. (4p.)

Gel'd, P. V., Yesin, O. A. and Maron, F. S.  
THE ELECTROLYTIC NATURE OF COMMERCIAL  
LIQUID CALCIUM CARBIDE (Elektroliticheskaya  
Priroda Zhidkogo Tekhnicheskogo Karbida Kaltsiya).  
Apr 61 [1958] 22:181. RTS-1793.  
Order from OTS or SLA \$1.60

61-19704

Trans. of Zhurnal Prikladnoy Khimii (USSR) 1948.  
v. 21, no. 3, p. 251-259.

DESCRIPTORS: Calcium compounds, \*Carbides,  
Electrochemistry, Conductivity, \*Fused materials,  
Salts.

(Chemistry-Physical TT, v. 6, no. 2)

61-19704

I. Gel'd, P. V.  
II. Yesin, O. A.  
III. Maron, F. S.  
IV. RTS-1793  
V. Department of Scientific and  
Industrial Research  
(Gl. Brit)

Office of Technical Services

ZHUR PRAK KHIM

Vol XXI, No 3, 1948,  
8 pp

"Research on Raw Materials for the Production of Mineral  
Wool"

V. F. Zhuravlev  
M. A. Sychev

AEC/BNL/tr-138

70T23

Synthetic Carbamide from Ammonia and Carbon  
Dioxide, by G. A. Yskovkin, 14 pp.

RUSSIAN, *er*, *Zhur Prik Khim*, Vol I, 1928,  
pp 70-77.

SLA R-2921

Sci

Jul 59

92, 359

Barium Process of Manufacturing Alumina  
from Bauxites and Aluminum Silicates  
Rich in Silica, by G. G. Uragov and A. V.  
Chitayev, 23 pp.

Z

RUSSIAN, per, Zhur Prik Khim, Vol I, 1928,  
pp 96-109.

SLA R-2292

Sci

Aug 58

72, 559

Catalytic Chlorination of Acetic Acid, by G. D.  
Lyubarskiy, 13 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol II, No 5, ~~1929~~  
1929, pp 621-627.

Sci Trans Center RT-656

Scientific - Chemistry  
CTS/DEX

10,970

The Flow Pressure of Metals and Their Alloys at  
Different Temperatures, by V. P. Shishokin.

Full translation.

RUSSIAN, no per, Zhur Prik Khim, Vol II, No 6, USSR,  
1929, pp 663-673.

SEC 1r 1505

Scientific - Minerals, metals, chemistry, alloys

9153/01

Polymerization and Solubility of Phosphates, by S. S.  
Dragunov; 8 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol III, 1930, pp.  
797-805.

SLA R-2813

Sci

Jul 59

91,410



Electrolytic Production of Potassium  
Ferricyanide, by V. P. Klimskij, N. P.  
Lapin, 29 pp.

RUSSIAN, per, Zhurnal Prikladnoi Khimii,  
Vol III, No 7, 1930, pp 981-998.

Sci Tr Center

RT 3604

Chemistry

36,154

Jun 56 CTS

Investigation on the Preparation of Liquid Gold,  
by V. E. Tishchenko, S. A. Smirnov.

RUSSIAN, per, Zhur Prik Khim, Vol III, No 7,  
1930, pp 1041-1054.

WIL MTS 1942

Sci - Chem

Aug 62

211, 506

Volumetric Determination of Carbonates of  
Alkaline Earth Metals, by A. V. Filosofov,  
3 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol IV, 1931,  
pp 532-534.

SLA R-2491

Sci

Aug 58

72,805

Precipitation of Magnesium Chloride from Hydrochloric  
Acid Solutions, by A. P. Chukhov, V. P. Lavrov,  
8 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol IV, 1931, pp  
994-1001.

SLA R-3342 62-18144

Sci

Aug 59

94,153

Solubility of Sodium Carbonate and Sodium  
Sulfate in Various Concentrations of  
Sodium Hydroxide at Various Temperatures,  
by G. V. Prikhod'ko.

RUSSIAN, no per, Zhur Prik Khim, Vol V,  
1932, pp 31-33.

Assoc Tech Sv RJ-264  
\$4.40

Scientific - Chemistry  
CTB 73/Oct 1955

27,722

The Absorption of Silicon Tetrafluoride on Sodium  
Fluoride, by V. S. Yatlov, I. G. Ryss, 22 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol V, No 3/4,  
1932, pp 332-343.

Sci Tr Center RT-2788

Scientific - Chemistry  
Dec 55 GTS/DEX

29,491  
SLA R-3330

Novakovskii, M. S.  
DETERMINATION OF HEAT CAPACITIES OF LIQUIDS  
OF THE AMMONIA-SODA PROCESS. [1961] 3p.  
Order from HS \$2.50

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1932,  
v. 5, p. 344-346.

DESCRIPTORS: Sodium compounds, Carbonates,  
Production \*Solvay process, Analysis.

(Unannounced)

61-25128

I. Novakovskii, M. S.  
II. Stux, Erica, Akron, Ohio

184182

Office of Technical Services

The Problems of Registering the Penetration  
in Research on the Dynamic Activity of  
Sorbents, by M. Dubinin, V. Andreyev.

RUSSIAN, no per, Zhur Prikl Khim, Vol V,  
No 3/4, 1932, pp 413-424.

Def Sci Info Sv,  
DRB, Canada  
T 128 R

Scientific - Physics

CTS/DEX

13,785



Oxidation of Phosphorous Acid, by I. U. Bushmakin, I. P. Volkenstein, P. Y. Rachinskiy, 138p.

RUSSIAN, per, Zhur Prik Khim, Vol. V, 1932, pp  
557-566.

SLA R-2980

Sci

Jul 59

91,409

Purification of Hydrogen Containing Phosphine Under  
Pressure, by I. N. Bushmekin, M. V. Ryankov, 12 pp.

RUSSIAN, Ser, Zhur Prik Khim, Vol V, 1932, pp  
705-714.

SLA R-2982

Sci

Jul 59

92,583

The Corrosion of Metals and Alloys by Phosphoric  
Acid and Phosphorus. by M. Rysakov, I. N. Bushmekin,  
7 pp.

RUSSIAN. ser, Zhur Prikl. Khim, Vol V, 1932, p. 715-~~7~~  
721.

SLA R-2871

S  
Sci

Jul 59

42,728

TT-61-16813

Zelinskii, N. D. and Kozlov, N. S.  
DECOMPOSITION OF NATURAL AND SYNTHETIC  
RUBBER IN THE PRESENCE OF ALUMINUM  
CHLORIDE. [1961] Ep Briefs  
Order from OJS, SLA, or ETC \$1.10 TT-61-16813

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR)  
1933, v. 6, [no. 1] p. 36-44.

DESCRIPTORS: \*Rubber, \*Synthetic rubber, De-  
composition, Aluminum compounds, Chlorides,  
Hydrocarbons, Polymerization.

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

I. Zelinskii, N. D.  
II. Kozlov, N. S.

Office of Technical Services

Equilibrium in the System  $\text{Na}_2\text{SiF}_6\text{-NaCl-H}_2\text{O}$ , by  
V. Y. Anosov, S. K. Chrikov, 6 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol VI, No 2.  
1983, pp 224-227.

SLA R-2814

SA

Jul 59

91,406

Purification of Hydrogen Used in Ammonia Synthesis  
by Removing Hydrogen Sulfide With Activated Charcoal,  
by V. F. Pastnikov, I. P. Kirillov

RUSSIAN, per, Zhur Prik Khim, No 6, pp 240-244,  
1933.

AEC-TR-1533

Scientific - Chemistry

1302

Kazanaki, B. A., Balandin, A. A., Tserkovnikov,  
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) 1933, v. 6,  
p. 266-273.

DESCRIPTORS: \*Alcohols, \*Butanols, Hexyl radicals,  
Hydrogenation, \*Michel catalysts, \*Butadienes, Syn-  
thesis (Chemistry), \*Ethanols

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

TT-61-16809

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

Office of Technical Services

Conversion of Gas Obtained in the Electrothermal  
Volatilization of Phosphorus, Part II., by B. N. Dol-  
gov, B. A. Dolotov, N. P. Shilina, 20 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol VI, 1933, pp 479-  
493.

SCA R-3344

Sci

Aug 59

93, 582



Oxidation of Red Phosphorus at Elevated Temperatures and Pressures I., by I. N. Busharkin, M. V. Reiskov, A. V. Frost, 15 p

RUSSIAN, per, Zhur Prikl Khim, Vol. VI. 1933, pp 577 587.

SLA R-2914

Sci

Jul 59

91,468

II)  
Oxidation of Yellow Phosphorus with Water at  
Elevated Temperatures and Pressures, by I. N.  
Bushmakina, M. V. Ruisakov and A. V. Frost,  
23 pp.

RUSSIAN, per, Zhur Prik Khim, Vol VI, 1933,  
pp 588-606.

SLA R-2303

Sci

Aug 58

72,121

Oxidation of Phosphine with Water Under Pressure, by  
I. H. Eushmakin, A. V. Frost, 10 pp.

RUSSIAN, per, Zhur. Prik. Khim, Vol VI, 1933,  
pp 607-612.

AEC-tr-~~19~~ 1795

11,068

Scientific - Chemistry

Production of Chlorinated Derivatives From Cracked  
Gases, by A. P. Dobryanskiy, R. A. Gutner, M. K.  
Shehigel'skaya, 14 pp.

RUSSIAN, per, Zhur Prik Khim, Vol. VI, 1933, pp  
1133-1139.

Sci Trans Center  
RT-1577

TT-64-17565

14,660

Scientific - Chemistry

Dec 54 CTS/DEX

Preparing Aluminum Fluoride by the Interaction of  
Hydrogen Fluoride with Aluminum Hydroxide, by V. A.  
Yatlov, M. M. Kovalenko, Z. P. Vinogradova, 9 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol VII, 1934, pp  
39-46.

SIA/R-2515

Sci  
Apr 59

84,441

Zelinskii, N. D., Ushakov, M. I. and others.  
OVERIDE OMZETTING VAN ACETYLEEN EN ACETALDEHYDE IN ACETON VOLGENS DE CONTACT-METHODE (The Conversion of Acetylene and Acetaldehyde into Acetone by means of Catalysis) tr. by A. Bosch-Schackz and G. J. M. Fritschy. 11p. 5 refs. MTWL: 114 (text in Dutch).  
Order from CTS or ITC \$1.55

61-17739

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934, v. 7, p. 83-91.

DESCRIPTORS: Acetylenes, Acetaldehydes, \*Acetones, Catalysts, Chemical reactions, Iron catalysts, Manganese.

61-17739

- I. Zelinskii, N. D.
- II. Ushakov, M. I.
- III. MTWL-114
- IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Komar', N. P. and Maevskaya, V. P.  
DE BEPALING VAN ZWAVELKOOLSTOF IN DE  
LUCHT (Determining Carbon Disulfide in Air) tr. by  
A. Bosch-Sulacz and G. J. M. Fritschy. 8p. 7 refs.  
MTWL: 123. (text in Dutch).  
Order from OTS or ETC \$11.55

61-17728

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,  
v. 7, p. 433-436.

DESCRIPTORS: \*Carbon compounds, Sulfides, Air,  
Determination.

61-17728

- I. Komar', N. P.
- II. Maevskaya, V. P.
- III. MTWL-123
- IV. Stichting Moelijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Zagvozdin, K.  
ON THE THEORY OF THERMAL REDUCTION OF  
PHOSPHORUS FROM CALCIUM PHOSPHATES  
ACCORDING TO WUEHLER. [1963] 23p. (figs. omitted).  
12 refs.

Order from OTS or SLA \$2.60

63-16231

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,  
v. 7, no. 3, p. 455-468.

DESCRIPTORS: \*Phosphorus, \*Calcium compounds,  
\*Phosphates, \*Reduction (Chemistry), Dissociation,  
Reaction kinetics, Temperature, Manufacturing  
methods.

(Chemistry--Physical, TT, v. 10, no. 7)

63-16231

1. Title: Wuehler reaction
1. Zagvozdin, K.

Office of Technical Services



On Equilibrium of Liquid Mixtures and Solutions, by  
V. A. Kiseev, A. A. Popov,

RUSSIAN, per, Zhur Prikl Khim, Vol VII, No 4, 1934,  
pp 489-496.

~~Sci Tr Center TT 308~~  
~~RUSSIAN to DUTCH: OTC 6-17719~~

Scientific - Chemistry  
CTS/DEX

RUSSIAN to DUTCH: OTC 6-17719

14,059

Kireev, V. A. and Khachadurova, E. M.  
OVER HET EVENWICHT IN VLOEISTOFMENGSELS  
EN IN OPLOSSINGEN. II. KOOKTEMPERATUUR EN  
SAMENSTELLING VAN DEN DAMP VAN HET SYS-  
TEEM: AETHYLALCOHOL-AETHER (Equilibria in  
Mixtures of Liquids and Solutions. II. Boiling Points  
and the Composition of the System Ethyl Alcohol and  
Ether Vapors) tr. by A. Bosch-Sukacz and  
G. J. M. Fritschy. 6p. 3 refs. MTWL: 134. (text in  
Dutch).  
Order from OIS or EIC \$1.55

61-17718

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,  
v. 7, p. 495-496.

DESCRIPTORS: Phase studies, \*Ethanol, \*Ethers,  
Vapors, \*Boiling, Temperature.

61-17718

- I. Kireev, V. A.
- II. Khachadurova, E. M.
- III. MTWL-134
- IV. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Purification and Conversion of the Gas  
Obtained in the Electrothermal Volatiliza-  
tion of Phosphorus, III, by B. N. ~~DOLGOV~~  
F. A. Bolotov and A. N. Popova, 7 pp.

RUSSIAN, per, Zhur Prik Khim, Vol VII,  
1934, pp 497-502.

SLA R-2212

Sci

Aug 58

72,124

Equilibrium of the Reciprocal System  $\text{H}_2\text{SO}_4\text{-NH}_4\text{NCO}_3\text{-H}_2\text{O}$  at 0°, by A. P. Belopol'skiy, A. Ya. Shpunt, M. T. Serebrenikova.

RUSSIAN, no per, Zhur Prikl Khim, Vol VII, No 5, 1934, pp 669-686.

36,096

Inadoc

Scientific - Chemistry

Nat Phys Lab of India  
Hillside Rd  
New Delhi-12, India

Jun 56/dex

Utilization of Natural Sodium Sulfate For Obtaining  
Soda and Ammonium Sulfate, by A. F. Belopol'skiy,  
N. P. Aleksandrov.

RUSSIAN, no per, Zhur Prikl Khim, Vol VII, No 5, 1934,  
pp 687-721.

Scientific - Chemistry

Jun 56/dec

36,095

Insdoc

Nat Phys Lab of India

Hillside Rd

New Delhi-12, India

Orlov, N. A., Shestakovskii, M. F., and  
Shabarov, V. V.

THE MANUFACTURE OF CYCLOHEXANOL tr. by  
G. J. M. Fritschy. 7p. 6 refs. MTWL: 334.  
Order from OTS or ETC \$1.55 61-17928

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934, v. 7,  
p. 760-763.

DESCRIPTORS: \*Cyclohexanols, \*Phenols, Hydroge-  
nation, Nickel catalysts.

61-17928

- I. Orlov, N. A.
- II. Shestakovskii, M. F.
- III. Shabarov, V. V.
- IV. MTWL-334
- V. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Catalytical Saponification of Chlorobenzene With  
Steam, by D. V. Tishchenko, A. M. Churbakov, 9 pp.  
RUSSIAN, per, Zhur Prik Khimiy, Vol VII, No 5,  
1934, pp 764-769.  
OTS 63-18540

Sci-Chem  
March 64

252,069

A New Type of Silica Gel for Regenerating  
(Transformer) Oils, by M. V. Kurlin. 5 pp.  
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 7,

1934, pp 825-829.  
OTS TT-61-18023

Sci/Propulsions & Fuels  
Jun 67

327,701



The Solubility of Sulfur Dioxide in Sulfuric  
Acid by E. K. Lopetto, A. M. Savinyev, 8 pp.

RUSSIAN, per, Zhur Prii Khim, Vol VII, N 1934,  
pp 881-886.

SLA R-2935

Sci

Jul 59

92, 350

Yarlykov, M. M.  
DE EVENWICHTSTOESTAND VAN DE OPLOSBAAR-  
HEID VAN DE SYSTEMEN:  $KCl-H_2O-NH_4Cl$  EN  
 $NaCl-H_2O-NH_4Cl$  (The State of Solubility Equilibrium  
of the Systems  $KCl-H_2O-NH_4Cl$  and  $NaCl-H_2O-NH_4Cl$ )  
tr. by A. Bosh, Sukacz and G.J.M. Fritschy. 7p.  
MTWL: 136. (text in Dutch).  
Order from OIS or ETC \$1.55

61-17720

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,  
v. 7, p. 902-905.

DESCRIPTORS: Solubility, \*Phase studies, Chemical  
equilibrium, \*Chlorides.

61-17720

I. Yarlykov, M. M.  
II. MTWL-136  
III. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

A <sup>a</sup>Material and Energy Balance for the <sup>ar</sup>Carbide Process,  
by G. Y. Tarasov, 12 pp.

RUSSIAN, per, Zhur Prik Khim, Vol VII, 1934, pp  
906-915.

SLA R-2903

Sci

Jul 59

92,630

Zhur Prikl Khim, # 2, 1121-4, (1934)

The Viscosity of Phosphoric Acid, *HPF*

N. D. Litvinov, T. A. Kryukov and E. A. Kurochkina  
(Scientific Inst of Fertilizers)

(Wilson Dam 2389)

*SLAR-3027*

Levers of Kylan, by N. Ya. Schemmle;

RUSSIAN, no per, Zhur Enik Khiz, Vol VII, No 6,  
1934, pp 1029-1035.

Sci. Mus. 56/1361  
Nat'l Res Lib TS 583

39,865

Sci - Chemistry  
Dec 1956 CHS/Haz

Physical-Chemical Investigation of the Manufacture  
of Thermophosphates, by A. G. Bergman, 3 pp.

RUSSIAN, per, Zhur Prik Khim, Vol VII, 1934, pp  
1125-1127.

SLA R-2986

Sci

Jul 59

92, 392

Physical-Chemical Investigation of the Manufacture of  
Thermophosphates. II The Application of light in  
Visual Observations of High Temperatures, by K.  
Kuzanin, 4 p.

RUSSIAN, er, ZhurPrik Khim, Vol VII, 1934, pp'  
1127-1129.

SLA R-2985

Sci

Jul 59

92, 412

Physicochemical Investigation of the Manufacture of  
Thermophosphates. III. The Interaction of Apatite  
and Soda, by A. P. Palkin, M. P. Golovkov, 14 pp.

RUSSIAN, per, Zhur. Prikl. Khim., Vol VII, 1943, pp  
1130-1143.

Vci

SLA R-2984

Sci

Jul 59

92, 421



Physical-Chemical Investigation of the Manufacture of  
Thermophosphates. IV. The Preparation of Sodium  
Phosphate, by A. P. Polkin, 4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol VII, 1934, pp  
1144-1146.

SLA R-2983

Sci

Jul 59

92,420

Preparation of 1,3-Butadiene From  
2-Butene, by B. P. Fedorov, A. I. Smirnova.  
RUSSIAN, per, Zhurnal Prikladnoi Khimii,  
Vol VII, 1954, pp 1166-1180.  
CFSTI TT 61-16970

Jun 67

327, 275

Kireev, V. A., Kaplan, S. I., and Zlobin, V. N.  
OVER HET EVENWICHT IN VLOEISTOFMENGSELS  
EN IN OPLOSSINGEN. III. KOOKTEMPERATUUR EN  
DAMP-SAMENSTELLING VAN DE SYSTEMEN:  
BENZYLCHLORIDE-TOLUOL EN AETHYLEEN-  
CHLOORHYDRINE-WATER (Equilibria in Liquid  
Mixtures and Solutions. III. Boiling Points and the  
Composition of the Vapors of the Systems Benzyl  
Chloride-toluene and Ethylene Chlorohydrin-water)  
tr. by A. Bosch-Sukacz and G. J. M. Fritschy. 11p.  
5 refs. MTWL: 133 (text in Dutch).  
Order from OTS or ETC \$1.55

61-17717

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,  
v. 7, p. 1333-1338.

DESCRIPTORS: Phase studies, \*Boiling, Temperatu-  
re Vapors, \*Toluenes \*Chlorides.

61-17717

I. Kireev, V. A.  
II. Kaplan, S. I.  
III. Zlobin, V. N.  
IV. MTWL-133  
V. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Grodzovskiy, M. K. and Chukhanov, Z. F.  
GASIFICATION OF THE HOT MATERIAL LAYER  
BY MEANS OF OXYGEN-ENRICHED AIR. [1961]  
[28]p. 7 refs. NCB Trans. A.1620/SEH; [DSIR LLU]  
M.1814.

Order from LC or SLA ml\$2.70, ph\$4.80 61-13138

Trans. of Zhurnal Prikladnoy Khimii (USSR)  
1934 [v. 7] no. 8, p. 1398-1422.

(Chemistry-Physical, TT, v. 5, no. 12)

61-13138

1. Blast furnaces--Fuel consumption
2. Oxygen--Metallurgical effects
3. Combustion Analysis
  - I. Grodzovskiy, M. K.
  - II. Chukhanov, Z. F.
  - III. NCB-A1620/SEH
  - IV. DSIR LLU M.1814
  - V. National Coal Board (Gt. Brit.)

16055

Office of Technical Services

Slobodin, Ya. M.  
COMPARISON OF POLYMERIZING AND ADSORPTION  
ABILITY OF SILICATES. [1961] 8p 11 refs.  
Order from OTS, SLA, or ETC 51.10 TT-61-16612

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1935,  
v. 8 [no. 1] p. 35-43.

DESCRIPTORS: \*Silicates, Polymerization, Adsorption,  
Effectiveness, Tests.

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

TT-61-16612

1. Slobodin, Ya. M.

Office of Technical Services

On the Initial Stage of Combustion of Hydrocarbon  
Fuels, by K. I. Ivanov, V. K. Savinova, 33 pp.  
(22 pp)

RUSSIAN, per, Zhur Priklad Khim, Vol VIII, 1935,  
pp 64-91.

Sci - Chemistry, fuels  
Oct 57

SLA Tr R-820 (22 pp)  
CTC TT-61-16612 (22 pp)

54, 479

Construction and Operation of Platinum-Resistor  
Furnace for the Laboratory to Operate at 1550°,  
by K. Kumanin, 8 pp.

RUSSIAN, par, Zhur Prikl. Khim, Vol VIII, 1935, pp  
pp 177-183.

SLA R-2926

Sci

Jul 59

92,608

On the Solubility of Sodium Sulphate in Aqueous  
Solution of Ammonium Carbonate at  $32.5^{\circ}$ , by A. P.  
Belopol'skiy, V. V. Urusov.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol VIII,  
No 2, 1935, pp 193-194.

Indoc  
National Physical Laboratory of India,  
Hillside Road  
New Delhi-12, India

Chemistry

36,150

Jun 56 CDS



*The interaction of sodium chloride and kaolin at high temperatures, by I. I. Kitaygorodskiy, V. I. Bokun'yaveva*  
RUSSIAN, per, Zhurnal Prikladnoy khimii, Vol 8, No 2,  
1935, pp 230-237.

NASA TT F 14,251

NASA TT F 14,264 13 pp

apr 72

Phosphorus Nitride, its Preparation and  
Properties (A), by V. P. Postnikov and  
L. L. Kuzmin, 13 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol VIII, 1935,  
pp 129-138.

BIA R-2509

Sci

Aug 58

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A Contribution to the Knowledge of Humic Substances  
by N. A. Orlov, V. V. Tishchenko, E. M.  
Tarasenkova, 5 p.

RUSSIAN, per, Zhur Prikl Khim, 1935, Vol VIII, No 3,  
pp 501-504.

SLA 59-20895

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744, 501-504

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Determination of Thermodynamic Properties of  
Solutions of Mineral Salts During Evaporation  
and Crystallization, by G. I. Voinilovich,  
L. K. Akhrap, L. S. Mai.

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1935, pp 589-597.

INSDOC T. 760

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Vapor-Phase Hydrolysis of Chlorobenzene, by  
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Physical Heterogeneity of Nitrocellulose and the  
Properties of Its Fractions, Part I, by Z. Rogovin,  
S. Glazman, 17 pp.

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Sci Trans Center RT-978

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Obtaining Chlorine Compounds of Phosphorus from  
Phosphorites, by A. Y. Zhorykin, 12 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol VIII, 1935, pp  
pp 1380-1387.

SLA R-3359

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The Composition of the High Molecular Weight  
Acids From the Wax-Like Fraction of Peat  
Bitumen, by E. V. Rogovinskaya,

RUSSIAN, Zhet. Zhur. Khim., Vol. XX, 1936,  
p. 108.

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Cathodic Reduction of Oxides on Metallic Iron as  
a Method for Determination of Corrosion, by  
E. A. Nikiforov, L. M. Glukhovskaya

RUSSIAN, no per, Zhur Prikl Khim, Vol IX, No 2,  
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Dec 56 CTS

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The vapour pressures of  $\text{HF}$ ,  $\text{SiF}_4$  and  $\text{H}_2\text{O}$  over solutions  
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Linetzkaya, and A. Boghovarev.

RUSSIAN, per, Zhur Prikl Khim, 9, 1936, (9),  
pp 439-45, <sup>VL</sup> <sup>hw</sup>

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The Determination of the Viscosity and  
Density of Water Solutions of Urea, by  
N. D. Litvinov and A. I. Mel'nikova, 7  
pp.

RUSSIAN, per, Zhur Prikl Khim, Vol IX,  
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SLA R-2437

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R-2865. Molecular weight of melted yellow  
phosphorus. Zhur. Priklad. Khim., 9, no.4, (2p.)

Dynamics of Red Phosphorus Production, by A. Y.  
Zvorukin, 13 pp.

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4 pp.

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1936, pp 885-888.

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Influence of ~~Phosphoric~~ Phosphoric Acid  
upon Clays, by P. P. Budnikov, M. I.  
Nekrich and A. Kvitnitskiy, 9 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol IX,  
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SLA R-2243

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Nickel and Chromium Plating of Tungsten Filaments,  
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AEC Tr 1704

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N. P. Boghko. Concerning  
Investigation of the Saponifi-  
cation Process.

RT-2054

Proj 7825

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Production of Lacquer Nitrocellulose from Purified  
Woodpulp., Part I., by L. E. Akin, A. S. Konoplev,  
18 pp.

RUSSIAN, no par. Zhur Prik Khim, Vol IX, No 6,  
1936, pp 1082-1089.

Sci Tr ~~Sci~~ Center RT-680

Scientific - Chemistry

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Preparation of Lacquers from Woodpulp Nitrocellulose.  
Part II., by L. E. Akim, V. V. Zhebrovskiy, 9 pp.

RUSSIAN, no per, Zhur Prikl Khim, Vol IX, No 6, 1936  
pp 1090-1095,

Sci Tr Center RT-681

Scientific - Chemistry

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Nikolaev, N. S., Ivanov, N. A., and Koltypin, S. G.  
SODIUM SILICOFLUORIDE AND ALUMINUM FLUORIDE AND THEIR SOLUBILITY IN WATER AND IN HYDROFLUORIC ACID. [1963] 16p. 8 refs.  
Order from OTS or SLA \$1.60 63-14618

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1936,  
v. 9, p. 1183-1190.

DESCRIPTORS: \*Sodium compounds, \*Fluorides,  
\*Silicates, Solubility, Water, Acids, Aluminum  
compounds, Temperature, Statistical data.

The work described showed that with increase of temperature and HF concentration in the solvent the solubilities of both  $\text{Na}_2\text{SiF}_6$  and  $\text{Al}_2\text{F}_6 \cdot 5\text{H}_2\text{O}$  increase. The composition of the aluminum fluoride corresponding to the ordinary method by which it is produced was established. This composition is  $\text{Al}_2\text{F}_6 \cdot 5\text{H}_2\text{O}$ . Invest. (Chemistry-Inorganic, TI, v. 10, no. 4) (over)

63-14618

I. Nikolaev, N. S.  
II. Ivanov, N. A.  
III. Koltypin, S. G.

Office of Technical Services

Preparation of Hydrocarbons of the Butadiene  
Series, by V.P. Krauze, Ya. M. Slobodin. 10 pp.  
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 9,  
1936, pp 1278-1288.  
SLA TT-61-18054

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Zh Priklad Khim Vol 9, page 1378-86 (1936)

Sulfate to  
Reduction of Sodium/Sulfide by Natural Gas  
by D. I. Dionis'ev

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Heats of Combustion of Isoprene and Products  
of its Polymerization, by S. V. Lebedev,  
M. A. Khokhlovkin, et al. 9 pp.  
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 9,  
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SLA TT-61-16633

Sci/Chemistry  
Jul 66

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Svetlov, Yu. M. and Vul'fon, N. S.  
PREPARATION OF SECONDARY OCTYL ALCOHOL  
AND SEBACIC ACID. [1961] 28p 27refs  
Order from OTS, SLA, or ETC \$2.60 TT-61-16551

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1936,  
v. 9, p. 1613-1623.

DESCRIPTORS: \*Alcohols, Octanes, \*Sebacic acid,  
Synthesis (Chemistry), Purification, Permanganates,  
Distilling plants

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

TT-61-16551

I. Title: sec-Octyl alcohol  
1. Svetlov, Yu. M.  
II. Vul'fon, N. S.

Office of Technical Services



Chemistry of Titanium IV. Chlorination of Titanomagnetite, by A. V. Pamfilov, E. G. Shtandel',  
15 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol. IX, No. 10, 1936,  
pp 1770-1780.

Sci Tr Center  
RT-1384

Scientific - Chemistry

CTS/DEX

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Preparation of Calcium Sulfide from Gypsum, by V. R.  
Ter-shkerich, G. N. Evetskiy, 21 pp.

RUSSIAN, per, Zhur Prik Khim, Vol IX, 1936, pp  
2155-2171.

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ETA R-3331

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Jul 59

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61-14474

Kashtanov, L. I., Ivanova, N. P., and Ryzhov, V. P.  
CATALYSIS OF THE RATE OF DECOMPOSITION OF  
OZONE BY DIFFERENT METAL SURFACES. [1961]

6p. 1 ref.

Order from OTS or SLA \$1.10

61-14474

Trans. of Zhurnal Prikladnoy Khimii (USSR) [1936]  
v. 9, no. 12, p. 2176-2178.

DESCRIPTORS: Catalysis, \*Ozone, Decomposition,  
Metals, Chemical reactions, Surface properties.

I. Kashtanov, L. I.  
II. Ivanova, N. P.  
III. Ryzhov, V. P.

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Lachinov, S. S.  
ON THE QUESTION OF THE REDUCTION OF IRON  
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I. STUDY OF THE REDUCTION PROCESS. [1964] 24p  
(figs omitted) 12 refs  
Order from OLS, SLA, or ETC \$2.50 TT-64-10744

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1937, v. 10,  
no. 1, p. 19-34.

(Chemistry--Physical, TT, v. 11, no. 12)

TT-64-10744

I. Lachinov, S. S.  
II. Title: Study of the

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Determination of  $\text{CaSO}_4$  in Gypsum by V. K. Zolotukhin  
RUSSIAN, Zhur Prikl Khim, Vol 10, No 1, 1937, pp 208-11  
BRL Comm No 419  
Sci Museum Lib No 50/3283 - London

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Chlorination of / Minerals Containing Rare Elements, by  
G. G. Urazov, I. S. Morozov, M. P. Shmantsar', 21 pp.

RUSSIAN, Ser. Zhur Prikl Khim, Vol X, No 1, 1937,  
pp 6-18.

Sci Trans Center RT-891

Scientific - Chemistry  
CTIS/DEX

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Physico-chemical Analysis in the Field of Nitric  
Acid-Treatment of Phosphates, by A. P. Belopolakiy,  
M. N. Smulgina, M. T. Serebrennikova, S.Y. Shpunt,  
10 pp.

RUSSIAN, per, Zhur Prik Khim, Vol X, No 3, 1937,

SLA R-2868

Sci

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The Reduction of Iron Catalysts Used in the  
Synthesis of Ammonia, by S. S. Ischinger,  
A. A. Vvedenskiy, 26 pp.

RUSSIAN, Ger, Zhur Prikl. Khim, Vol X, 1937,  
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SIA R-2468

Sci - Chem

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Markov, V. K. and Nagornaya, N. A.  
THE CHANGE IN THE PROPERTIES OF SILICA GELS  
ON WASHING AS A CONSEQUENCE OF THE CHANGE  
IN THEIR SUBMICROSCOPIC STRUCTURE. [1963] 15p.  
11 refs.

Order from OTE or SLA \$1.60

63-14587

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1937,  
v. 10, p. 853-868.

DESCRIPTORS: \*Gels, \*Silicon compounds, \*Dioxides,  
\*Sorption, Impregnation, Structural properties, Porosity,  
Surface-active substances, Adsorption.

(Chemistry--Physical, TT, v. 10, no. 4)

63-14587

I. Markov, V. K.  
II. Nagornaya, N. A.

Office of Technical Services

Relating to Electrolysis Theory of Cryolite  
Alumina Solutions, by I. P. Tverdovskiy,  
V. S. Malchukov, 19 pp.

RUSSIAN, per, Zhur Erik Khiz, Vol X, No 6,  
1937, pp 1011-1019.

Sci Tr Center  
RT-1527

Scientific - Chemistry

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Pressure of Water Vapor Over Molten Sodium and  
Potassium Hydroxides, by A. M. Bauman, 19 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol X, ~~XXXXXXXX~~  
No 7, 1937, pp 1165-1172.

Sci Trans Center  
RT-2888

Scientific - Chemistry

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POLYMERIZATION OF VINYL CHLORIDE IN  
SOLUTIONS AND EMULSIONS. [1961] 12p. 11 refs.  
Order from CTS or SLA \$1.60 61-18185

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1937,  
v. 10, p. 1071-1079.

DESCRIPTORS: Vinyl chlorides, Chlorides,  
Polymerization, Solutions.

(Unannounced)

61-18185

I. Pavlovich, P. I.

Office of Technical Services

Physicochemical Analysis in the Nitric Acid  
Treatment of Phosphates. II. Solubility of  
Calcium Nitrate in Aqueous Solutions of Nitri-  
Acid, by A. P. Belopol'skiy and V. V. Urusov,  
6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol X, 1937,  
pp 1178-1182.

SLA R-2158

Sci

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Solubility of Sodium Fluosilicate in  
Phosphate Solutions and the Salting-  
Out Effect of Sodium Chloride, by M.  
L. Chepelevetskiy and T. Bolts, 12 pp.

RUSSIAN, per, Zhur Prii Khim, Vol X,  
1937, pp 1183-1193.

OTS 63-14609  
SLA R-2175

Sci

Aug 58

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63-10352

I. D'yachkov, V. D.

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INTERACTION OF THE SODIUM ALUMINATE AND  
SILICA SOLUTIONS. 14 Feb 45, 8p. (figs. omitted)  
10 refs.

Order from OTS or SLA \$1.10

63-10352

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1937,  
v. 10, p. 1211-1215.

Another trans. is available from SLA as R-4960, 8p.

DESCRIPTORS: \*Sodium compounds, \*Aluminates,  
Chemical reaction, \*Silicon compounds, Colloids,  
Chemical precipitation, Chemical analysis, Oxides.

(Chemistry--Inorganic, TT, v. 9, no. 11)

Office of Technical Services

Determination of Viscosity and Density of Aqueous  
Solutions of Technical Caustic, by A. I. Sevtsov,  
6 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol X, No 8, 1937,  
pp 1500-1503.

SCI Tr Center  
RT-1580

Scientific - Chemistry

CIS/DEN

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Physicochemical Analysis of the Nitric Acid Treatment of Phosphates III. The System  $\text{CaO-P}_2\text{O}_5\text{-H}_2\text{O}$  at 50°, by A. P. Belopol'skiy, M. T. Berebrennikova, S. I. Shpunt, 9 pp.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol X, 1937, No 3, pp 1523-1529.

ELA R 3017

Sci

Jul 59

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