

Kinetics of Reactions in the Formation of Aluminates
and the Contribution of Mineralizers to the Process.,

by V. E. Zinrevlev, I. G. Lesokhin, R. G. Tempelman,

(pp. 16)

RUSSIAN, Zhur Fizik Khim, Vol XXI, No 9, 1948,
pp. 887-902

Sci Bu Lib 53/2795

5

10,431

Sci - Chemistry

C / S / D - X

Solubility in the System Ammonium Sulfate-
Ammonium Sulfite-Ammonium Bisulfite-Water. I. The
Ternary System Ammonium Bisulfite-Water, by N. A.
Vasilenko, 31 pp.

RUSSIAN, per Zhur Prikl Khim, Vol XXI, 1948, pp
917-925.

SLA/R-2557

Sci
Apr 59

84,908

The Rate of Absorption of Carbon Dioxide by
Hydroxide Solutions, by M. K. E. Y. Turkhan,
13 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXI, 1948,
pp 927-936.

SLA R-2193

Sci

Aug 58

72,216

Dynamics of Ion Exchange, by E. N. Gapon
and T. B. Gapon, 14 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXI
1948, pp 937-947.

SIA R-2194

Sci

Aug 58

72,164

On the Theory of Dyeing. XIII. The Dependence
of the Absorption of Acid and of Substantive Dyes
by Wool Keratin on the pH of the dye Bath, by
H. V. Sokolova

RUSSIAN, per, Zhur Prikl Khim, Vol. XXI, 1948, pp
966-975.

Nat'l Res Council. Canada TT 381

Scientific - Chemistry

AUG CTS/DEK

16,849

Alkylation of Benzene With Propene, by Ya. M. Pauskin,
A. V. Topchiev.

Full translation.

RUSSIAN, no per, Zhur Prik Khim, Vol XXI, No 10, 1948,
pp 1065-1072.

AEC Tr 1184

Sci - Chem

Apr 52 CTS

Mechanism of Hydrolysis of Cellulose. II.
Content of Readily Hydrolyzable Fraction in
Various Cellulose Products, by V. I. Sharkov,
G. D. Saramonova, M. E. Kukashina, 13 pp.

RUSSIAN, per, Zhur. Prikl. Khim, Vol. XXX, 1948,
pp 1078-1082.

SIA R-2467

Sci - Chem

Jun 59

89,581

Drop Flow of a Liquid into Another Liquid or Gaseous
Medium, by Shairnov, N. I., and Polyuta, S. E.

RUSSIAN, per, Zhurnal Prikladnoy Khimii, Vol 21, 1948,
pp 1137-1146

Sci Museum Lib No 50/2716

KT-1983

Smirnov, N. I. and Polyuta, S. E.
DRUPPELVORMIGE UITSTROMING VAN EEN VLOEISTOF
IN EEN ANDERE VLOEISTOF OF IN EEN GAS
(Dropping a Liquid into Another Liquid or into a Gas).
14p. 2 refs. MTWL: 353. (Text in Dutch).
Order from GTS or EIC \$1.85 61-17580

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1948,
v. 21, no. 11, p. 1137-1146.

DESCRIPTORS: Liquids, Gases, *Fluid flow,
Processing.

61-17580

- I. Smirnov, N. I.
- II. Polyuta, S. E.
- III. MTWL-353
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Rate of Absorption of Carbon Dioxide by Hydroxide,
by M. E. Pozin.

RUSSIAN, pub., Zhur Fizik Khim, Vol XXI, No 11, 1948,
pp 1181-1185.

Dept of Interior
National Coal Bd Tr A 1181/54
US Bur of Mines
Central Experiment Station
Pittsburgh, Pa

136, 757

Physico-Chemical Nature and Catalytic Activity of
Boron Trifluoride Compounds, 17 pp, by PAUSEKIN, Ya.M.

RUSSIAN, no par, Zhur Prikl Khim, Vol XXI, No 12,
pp 1199-1209, 1948. CIA RDP 91-00772R000201290077-0

British Sci Museum No 52/1631

MLL M 4012

Anomalous Breaks in the Logarithmic Curves of the
Dissociation Pressure of Cobalt Azides, by
H. I. Koshnev.

RUSSIAN, no per, Zhur Prikl Khim, Vol XXI, No 12,
1948, pp 1216-1227.

National Res Lib IT 595

39,860

Sci - Chemistry
Oct 1956 STS/dax

The Equilibrium System of Silicon Oxide, by
P. V. Gol'd, H. I. Kochnev.

Full translation.

RUSSIAN, per, Zhurn Prikl Khim No 21, 1948,
pp 1249-1260.

SLA 60-15877
ASC Tr 1209

Scientific - Chemistry

Rate of Reduction of Silica by Carbon, Carborundum,
Ferrosilicon and Crystalline Silicon - P. V.
Gel'd, A. G. Kologreva, N. N. Serebrennikov.

Full translation.

RUSSIAN, per, Zhur Prik Khim, No 21, 1948,
pp 1261-1271.

AEC Tr 1208

SLA (6/15/50)

Scientific - Chemistry

KUZNETSOV, I. I., KOZHUKHOVSKII, A. A., and
BOROVAYA, F. E.
R-2917. Solubility and vapor pressure of saturated
solutions in the systems KH_2PO_4 - $\text{NH}_4\text{H}_2\text{PO}_4$ - H_2O at
 25° and NH_4NO_3 - $(\text{NH}_4)_2\text{HPO}_4$ - H_2O at 50° C. Zhur.
Prklad. Khim., 21, p.1278-81, 1948. (5p.)

Zhur Prikl Khim XXI, 1303-16 (1948)

Surface Electric Conductivity of Solid Dielectrics

N. Chirkov (Inst of Chem Physics, Moscow)

(Wilson Lam 2683)

3 *Zhur. Prikl. Khim.*, Vol XXII, 129-131 (1948)

"Concerning Valence States of the Carbon Atom"

by M. A. Kanner

Done by HEC
Trans. # 217

Pyrophoric Metals, by D. A. Pospelkov.

RUSSTAN, per, Zhur Prik Khim, Vol XXII, No 1,
1949, pp 5-12.

Army Materiel Command
Tr Log No 103

Sci - M/M
Apr 63

229,318

Chemical Methods for the Removal of
Harmful Gases from Air, by V. G. Gurevich,
K. K. Sigalovskaya, 14 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXII, 1949,
pp 13-23.

21.11.1949
SLA R-2156

Sci

Aug 58

72,423

Rate of Solution of Rock Salt and of Sylvite in
Mixed Solutions, by L. L. Ezrokhi, 11 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXII, 1949, pp
PI 24-32.

SLA R 2856

Sci

Jul 59

92,399

Synthesis of Dihydroxysulfidine, by I. G. Selanecov.

RUSSIAN, no par, Zhur Prih Khim, Vol XXIX, 1949.

ALT Tr 220

14,984

Scientific - Chemistry

July 678

Monitor-Signaler of Dangerous Concentrations of
Noxious Substances in Air: III, Signaler for
Nitrogen Peroxide, by I. B. Kogan, 4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXII, No 1,
1949.

Wilson Dam 2622
(PA 49/4926)

Scientific - Chemistry
CTS/DEX

6363

Signalling Apparatus for Dangerous Concentrations
of Harmful Substances in Air. III. Signalling
Apparatus for Nitrogen Dioxide (1,2)., by I. B.
Kogan (PA 49/49T26)

RUSSIAN, per, Zhur Frik Khim, Vol XXII, X 1949,
pp 41-44.

CIA/FDD/X-33

CIA/FDD/Z-62

Also ONI

6362

Scientific - Chemistry
CIS/DEX

Certain Problems of the Mechanism of Color
Development, by A. V. Bronberg, Yu. E.
Vilenskiy, 15 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXII, No 2, 1949,
pp 128-134.

CIA/FDD/X-1188

Scientific - Chemistry
CIS/DEX

9168

Butt, V. M.
 INVESTIGATION OF THE VELOCITY OF HYDRATION OF PORTLAND CEMENTS AND OF THE COMPOUNDS OF WHICH THEY CONSIST, tr. by G. N. Gibson, Mar 50 [16]p. 5 refs. DSIR Library Communication no. 471: T/L 759; M 2006. Order from LC or SIA m132.40. ph\$3.30 61-13368

Trans. of Zhurnal Prikladnoy Khimii (USSR) 1949, v. 22, no. 3, p. 223-234.

Ed. Proc. Lib. no. 1/0397 London

61-13368

- I. Cements--Hardening
- I. Butt, V. M.
- II. LC-471
- III. Trans-T/L-759
- IV. DSIR LLU M. 2006
- V. Department of Scientific and Industrial Research (Gt. Brit.)

1000916

Office of Technical Services

(Materials, TT, v. 5, no. 12)

Chemical Resistance of Glass, by N. K. Dertev et al.

RUSSIAN, no par, Zhur Prik Khim, Vol XXII, No 3,
1949, USSR, pp 235-239.

Assoc Tech Sv RJ-29

Sci - Chemistry

\$7.00 (\$1.00)

Aug 54

17,126

Lateral Diffusion of Dyes in the Transfer of
Images in the Inhibition Process of Color
Photography, by K. V. Chmutov, A. V. Bromberg,
24 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXII, No 3,
1949, pp 261-271.

CIA/FDD/X-1187

Scientific - Chemistry
CTS/DEX

4167

The Solubility Isotherm of the System H_2SO_4 -- Na_2CO_3 --
 $NaCl$ -- $NaOH$ -- H_2O , by L. A. Itkina, 12 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXII, No 3, 1949,
pp 278-285.

ATS-RJ30

Sci

Aug 59

93, 594

Zhur Frik Khim Vol 22 No 3 312-18 1949

Kuz'min, L. L. and Kiseleva, V. L.

Electrolytic production and properties of iron powder.

Avail at BNI AECTr 467 - 29 June 51

Handwritten: 49/47-10

Handwritten: 49/47 T. 23

KUZ'MIN, L. L.
KISELEVA, V. L.

Zhurnal prikladnoi khimii, vol. 22, 1949, No. 3.,
pp 311-318; 8 figures, 3 tables, 3600 words.

Production of Iron Powder by Electrolysis and Properties of Such Powder.

Brutch Trans, Order No. 2388, \$3.00.

The 100°C Isotherm of the System $MnO-P_2O_5-H_2O$, by
A. A. Taperova and M. M. Isayeva, 14 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XIII, 1949, pp
342-353.

SIA R-2224

Sci

Aug 58

72, 211

Method of Determining the Viscosity of Cellulose.
III. Influence of the Mixing Conditions on the
Viscosity of a 1% Cuprammonium Solution of
Cellulose, by M. I. Arkhipov, (YDD PA 60/49T112).

RUSSIAN, per, Zhur Priklad Khimii, Vol XXII, No 4,
1949.

✓
AEC/Tr 112

Scientific - Chemistry

12,650

Thermal Stability and Stabilization
of Magnesium Ammonium Phosphate, by
S. I. Vol'fkovich, R. E. Remen and
P. S. Rozenberg, 8 pp. *Confidential*

RUSSIAN, per, Zhur Prik Khim, Vol XXII,
1979, pp 448-454.

SLA R-2233

UP/FDD/1-68

Sci

A-9807

AUG 58

~~*72-1114*~~

Phase Equilibria of Paraffins, Binary and
Ternary Systems Containing n-Heptane,
n-Octane and n-Decane, by V. M. Kravchenko,

RUSSIAN, ~~pub~~, Zhur Prik Khim, Vol XIII, No 5,
1949, pp 491-498.

Assoc Tech Soc

~~Soc Chem Eng~~

~~Chem~~

RJ-5

18,904

Scientific - Chemistry

63-22224

Solodar, L. S. and Shevchenko, Z. N.
ROLE OF SULFURIC ACID IN THE CHLOROSULFO-
NATION OF ACYLANILIDES. [1963] 12p.
Order from ATS \$13.65 ATS-67Q70R

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1949,
v. 22, no. 5, p. 508-517.

DESCRIPTORS: *Sulfuric acid, *Aniline derivatives,
Chlorination, Sulfonation.

- I. Title: Acylanilides
- I. Solodar, L. S.
- II. Shevchenko, Z. N.
- III. ATS-67Q70R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

(Chemistry--Organic, TT, v. 10, no. 9)

Office of Technical Services

Hydrolysis and Hydration of β -Calcium Orthosilicate
in Solutions of Salts, by T. A. Ragozina, 10 pp.

RUSSIAN, no par, Zhur Prikl Khim, Vol XXII, No 6,
1949, pp 545-552.

Sci Mus Lib Tr No 53/2292

USSR
Scientific - Chemistry

Feb 54 CTS

9606

3th Prich Khim

Vol 22, pp 558-67 (1949)

The Solubility under Pressure of Gaseous Carbon Dioxide in Solutions of Ethanolamines

I. A. R-1173

M. A. Lyudskovskaya &

A. D. Leibush

OTS 61-17340

OTS 63-10-14

done by P. M. Lit,

S.B. - # 50/1111

1945
1949-3

Isolation of Individual Hydrocarbons From a Cracked
Paraffin Distillate. II. Isolation of Small n-
Alkanes, by M. Filichejev, E. Milevidova.

RUSSIAN J. CHEM. PHYS. Chem. Phys., Vol. 33, No. 6, 1959,
pp 611-624.

CFSTI 77-64-20/20
Dept of Int
US Bur of Mines
Petroleum Experiment Sta Lib
Bartlesville, Okla, Ro 58

Sci - Chem

May 59

87,524

SYCHEV, N.A. and SHMATOVA, M.I.
R-2172. Purification of xylose-containing solutions
with calcium oxides. Zhur. Priklad. Khim., 22,
p. 655-658, 1946. (4p.)

Investigation in the Field of Acid Anthraquinone
Compounds. 1. Effect of Substituents in the
Phenylamino Radical of Acid Anthraquinone Compounds
Upon Their Properties, by M. K. Bezzubets, V. S.
Rozina.

RUSSIAN, per, Zh. Prikl. Khim. Vol 21, No 11,
1948, pp 1152-1161.
NLL 5828.4F (11687)

Sci - Chem
Sept. 67

340,151

ZHUR PRIK KHIM

Vol XIII, No 7, 1949
1 p.

"Apparatus for Investigating the Solubility of Crystals"

G. S. Koshurnikov

Translated by Navy
NRL Translation No 231

SLA R-2217

Wilson Dam
Trans 2861

66/49T7

Role of Sodium Ferrate in the Formation of Sodium Chromate From Soda and Natural Chromite, by Ya. E. VIL'nyanskiĭ and O. I. Pudovkina.

Full translation.

RUSSIAN, no. 7, Zhur Prikl Khim, Vol XXII, No 7, 1949, pp 683-688.

Assoc Tech Sv Tr RJ-93

Scientific - Chemistry

Mar 53 CTS

\$12.40 (\$1.50)

Zakharchenko, G. A. and Tsitsorin, V. A.
DE OPLOSBAARHEID VAN DE ZWAVELZURE ZOUTEN
VAN IJZER IN GECONCENTREERD ZWAVELZUUR
BIJ HOGE TEMPERATUUR (Solubility of iron sulfates
in concentrated sulfuric acid at high temperatures),
tr. by G. J. M. Fritschy, 7 p. 2 refs. MTWL: 483.
(Text in Dutch)

Order from OIS or ETC \$0.80

61-17003

Trans. of Zhurnal Prikladnoy Khimii (USSR) 1949,
v. 22, p. 703-706.

61-17003

1. Iron sulfates-Solubility
2. Solubility-Temperature factors
- I. Zakharchenko, G. A.
- II. Tsitsorin, V. A.
- III. MTWL:483
- IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Synthesis of 2-Chloroethanol. VI. Theory of the
Gamborg Synthesis, by E. A. Shilov. UNCL

RUSSIAN, per, Zhur Prikl Khim, Vol XXII, No 7,
1949, pp 734-746.

DSIR LLU (loan) M.411

SLA 57-2477

Sci - Chem

AUG 59

94, 879

The Chemistry of Heat-Forming Substances, by
S. V. Kostin.

RUSSIAN, paper, Zhur Prikl Khim, Vol XXIV, 1949,
p 158.

Dept of Int
US Bur of Mines
Central Exper Sta
Pittsburgh Pa. No 379

Sci + Chem

May 59

87,729

Apparatus for Studying the Solubility
of Crystals, by G. S. Koshurnikov, 2 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXII,
1949, pp 778, 779.

SIA R-2217

Sci

Aug 58

72,133

Thickness and Form of Silver Halide Crystals
in Photographic Emulsions, by I. R. Protas, P. Kh.
Pruss, Yu. A. Kralau, 13 pp.

RUSSIAN, ICR: Zhur Prik Khim, Vol XXII, N. 8, 1949,
pp 823-830.

CIA/FDD/X-1304

Scientific- Chemistry
CIS/DEX

11,978

Effect of Desensitization Upon the X-Ray Sensitivity
of Photographic Emulsions, by K. S. Bogomolov, Yu. Sh.
Mochkovskiy, 6 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXII, No 8, 1949,
pp 831-834.

~~XXXXXXXXXX~~
CIA/FDD/X-1305

11,979

Scientific - Physics
CIS/DEX

Interpretation of Phase Equilibria of the following
Binary Systems: Acenaphthene-Fluorenone and
Raphaninone-Fluorenone, by V.P. Klochko-Zhovtsov,
5 pp.

RUSSIAN, per. Star Pril. Khim. Vol. XXII, No. 19, 1959, pp.
249-252.

No 8

APB-1034

Sci

Aug 59

83, 56

Preparation of Phthalide (Isobenzofuranone) From
Phthalic Anhydride, by V. M. Rodionov, E. I.
Chukhina.

RUSSIAN, no per. Zhur Prik Khim, Vol XXII, No 8,
1949, USSR, pp 853-856.

Assoc Tech Sv RJ-7

Sci - Chemistry

\$5.25 (\$1.00)

Aug 54

176125

Preparation of Dialdehyde Cellulose and
Its Ethers, by A. G. Yashunskaya and N. N.
Shorogina, et al,
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol
XXII, No 3, 1949, pp 865-873.
CRSFI TT 66-51139

Sci-Phys
Oct 66

313,055

Solodar, L. S. and Shevchenko, Z. N.
THE MECHANISM OF THE CHLOROSULFONATION OF
ACYLANILIDES. [1963] 9p.

Order from ATS: \$12.00

ATS-68Q70R

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1949,
v. 22, no. 8, p. 874-881.

DESCRIPTORS: Chlorosulfonic acid, Addition reactions

(Chemistry--Organic, IT, v. 10, no. 12)

63-22336

- I. Title: Acylanilides
- I. Solodar, L. S.
- II. Shevchenko, Z. N.
- III. ATS-68Q70R
- IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

Allyl Esters of Tribasic Acids and Their
Polymerization., by B. N. Rutovskii, N. S.
Leznov, 13 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Prik Khim, Vol XXII, Nos 8-9,
1949, pp 887-893, 1008-13.

Sci Mu Lib 54/1854

R. A. E. Farnborough 459.

Scientific - Chemistry

17,735

Melting Points in the System of Chlorides and
Sulfates of Sodium, Potassium and Zinc, by N. P.
Lushnaya, I. P. Verezhnetina, 14 pp.

RUSSIAN, paper, Zhur Prikl Khim^m, Vol XXII, No 9, 1949,
pp 952-961.

AKS-RJ10

Sci

Aug 59

93,43