Succinic Acid and Its Ethyl Esters, by I. Kh. Fel'dman, E. S. Troyanova, 8 pp.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol XVI, No 1, 2, 1943, pp 15-19.

Sci Tr Center RT 3603
36,152

Chemistry

Jun 56 CTS

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Preparation of Hydrophobic Cellulose, Part I., by D. N. Kuramnov, V. N. Sletkina, 2 pp.

RUSSIAN, ~~pam~~ Zhur Prik Khim, Vol XVI, 1943, pp 36-45.

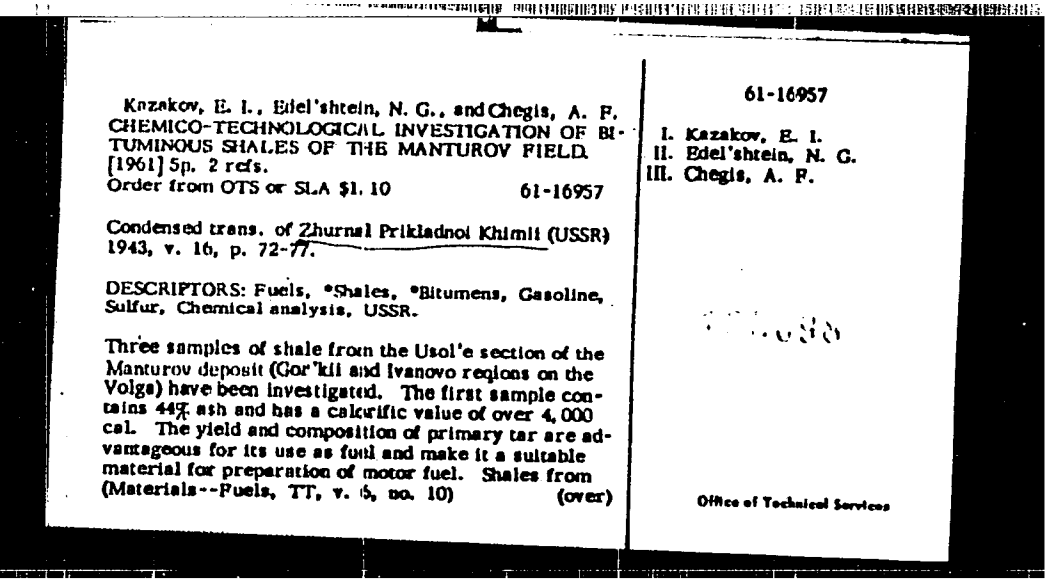
CIA/FDD/X-1325

Scientific - Chemistry

ET DEK

14,087

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



Kazakov, E. I., Edel'shtein, N. G., and Chegis, A. F.
CHEMICO-TECHNOLOGICAL INVESTIGATION OF BITUMINOUS SHALES OF THE MANTUROV FIELD.
[1961] 5p. 2 refs.
Order from OTS or SLA $1.10 61-16957

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR) 1943, v. 16, p. 72-77.

DESCRIPTORS: Fuels, *Shales, *Bitumens, Gasoline, Sulfur, Chemical analysis, USSR.

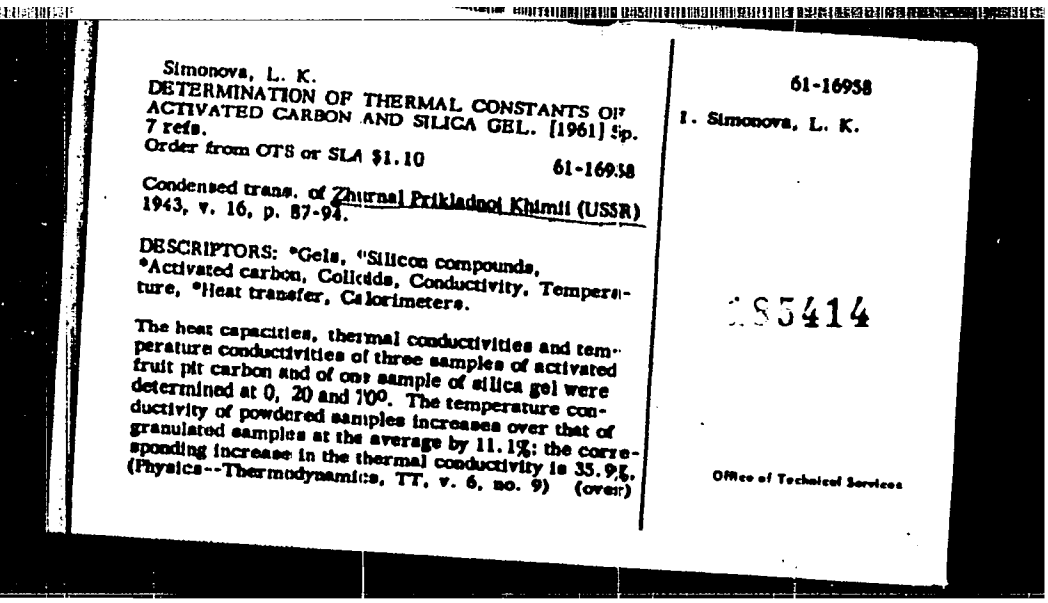
Three samples of shale from the Usol'e section of the Manturov deposit (Gor'kii and Ivanovo regions on the Volga) have been investigated. The first sample contains 44% ash and has a calorific value of over 4,000 cal. The yield and composition of primary tar are advantageous for its use as fuel and make it a suitable material for preparation of motor fuel. Shales from
(Materials--Fuels, TT, v. 5, no. 10) (over)

61-16957

I. Kazakov, E. I.
II. Edel'shtein, N. G.
III. Chegis, A. F.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



Simonova, L. K.
DETERMINATION OF THERMAL CONSTANTS OF ACTIVATED CARBON AND SILICA GEL. [1961] 5p. 7 refs.
Order from OTS or SLA $1.10 61-16958

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR) 1943, v. 16, p. 87-94.

DESCRIPTORS: *Gels, *Silicon compounds, *Activated carbon, Colloids, Conductivity, Temperature, *Heat transfer, Calorimeters.

The heat capacities, thermal conductivities and temperature conductivities of three samples of activated fruit pit carbon and of one sample of silica gel were determined at 0, 20 and 100°. The temperature conductivity of powdered samples increases over that of granulated samples at the average by 11.1%; the corresponding increase in the thermal conductivity is 35.9%. (Physics--Thermodynamics, TT, v. 6, no. 9) (over)

61-16958

1. Simonova, L. K.

85414

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Synthesis of Vitamin B1, by A. I. Gravin, 27 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XVI, No 3-4, 1943, pp 105-117.

AEC-NP-tr-1052

Sci-Chem
Jan 64

NLL (Lean) Ref: 5828.4 1963 (16,418)

248,347

Pesin, L. M., Belyanina, E. T., and Pavlovskaya, V. A.
HYDRATION OF CAMPHENE TO ISOBORNEOL.
[1961] 5p. 11 refs.
Order from OTS or SLA $1.10 61-16985

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR) 1943, v. 16, p. 129-133.

DESCRIPTORS: *Sulfonic acids, *Camphene, Hydrates, *Camphanes.

Hydration of camphene in acid medium was investigated in the presence of refined Petrov's kontakt [mixture of sulfonic acids]. An 80% yield of a crystalline product was obtained containing over 60% isoborneol and about 40% camphene. (Author)

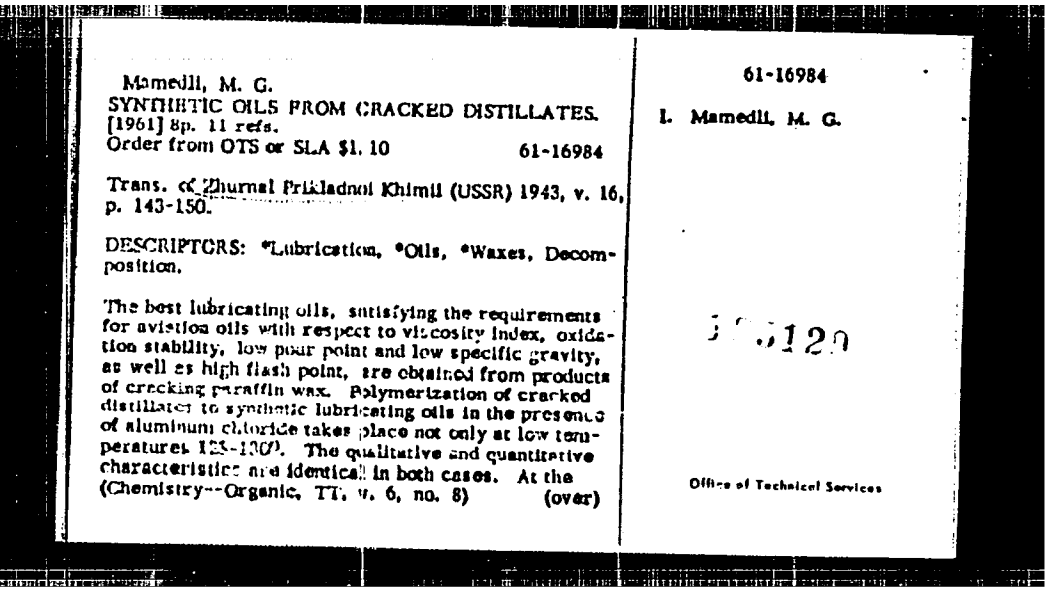
(Chemistry--Organic, TT, v. 8, no. 10)

61-16985

I. Pesin, L. M.
II. Belyanina, E. T.
III. Pavlovskaya, V. A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



Mamedli, M. G.
SYNTHETIC OILS FROM CRACKED DISTILLATES.
[1961] 8p. 11 refs.
Order from OTS or SLA $1.10 61-16984

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1943, v. 16, p. 143-150.

DESCRIPTORS: *Lubrication, *Oils, *Waxes, Decomposition.

The best lubricating oils, satisfying the requirements for aviation oils with respect to viscosity index, oxidation stability, low pour point and low specific gravity, as well as high flash point, are obtained from products of cracking paraffin wax. Polymerization of cracked distillates to synthetic lubricating oils in the presence of aluminum chloride takes place not only at low temperatures 125-130°. The qualitative and quantitative characteristics are identical in both cases. At the
(Chemistry--Organic, TT, v. 6, no. 8) (over)

61-16984

I. Mamedli, M. G.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Oxidation of Nicotine to Nicotinic Acid,
by N. A. Vagyunina et al, UNCLASSIFIED

RUSSIAN, per, Zhur Prik Khim, Vol XVI, No 5-6,
1943, pp 206-210.

Assoc Tech Ser
68[illegible]R
Price: $10.00 ($1.25)

Scientific - Chemistry

18,098

Sumarokov, V. P., Rylkin, S. S., and Bogoyavlenskaya, V. N.
PREPARATION OF PYROCATECHOL BY DECOMPOSITION OF PHENOL ETHERS OF WOOD CREOSOTE UNDER ATMOSPHERIC PRESSURE, I. [1961] 8p.
9 refs.
Order from OTS or SLA $1.10 61-18169

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1943, v. 16, p. 219-226.

DESCRIPTORS: *Pyrocatechol, Ethers, Wood, Creosote, Syntheses.

Experiments of preparation of pyrocatechol from two samples of creosote with the aid of aniline hydrochloride are reported, in which it was established that: (1) practically complete decomposition of the phenol ethers of creosote may be achieved by this method; (2) the reaction requires more time than the action of hydro-
(Chemistry--Organic, TT, v. 6, no. 6) (over)

61-18169

I. Sumarokov, V. P.
II. Rylkin, S. S.
III. Bogoyavlenskaya, V. N.

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Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Ferrous Trisulfide, by S. V. Lipin, 22 pp.

RUSSIAN, per, Zhur Prik Khim, M Vol XVI, No 7-8, 1943, pp 258-259.

CIA/FDD X-2794

Sci - Chem
Mar 58

60,686

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Esafov, V. I.
QUALITATIVE ANALYSIS OF DIENE HYDROCARBONS WITH CONJUGATED DOUBLE BONDS, III. [1961] 10p. 8 refs.
Order from OTS or SLA $1 10 61-16911

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1943, v. 16, p. 283-294.

DESCRIPTORS: Iodine, *Hydrocarbons, *Molecular structure, Chemical reactions, *Ethylenes, Halogenation.

Bromination in carbon tetrachloride was shown by precise data to be a specific reaction only for those diene hydrocarbons, the molecules of which possess one, or still better, two side chains attached to the carbon atoms of the conjugated system. In the last mentioned case the reaction is accompanied by evolution of considerable amounts of hydrogen bromide and con-
(Chemistry--Physical, TT, v. 6, no. 8) (over)

61-16911

I. Esafov, V. I.

135124

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Vol 16, No 7-8 (1943)

pp 325-327

Department of Research Programmes & Planning
Admiralty

The Use of Cupferron in Qualitative Chemical Analysis, by P. M. Isakov

ACSIL Trans No. 387 (British)

U-625/49 in

FDD Lib

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Kurssanov, D. N. and Solodkov, P. A.
NEW METHOD OF OBTAINING COLORED DERIVATIVES OF CELLULOSE. [1943] 9p. (conclusions illus. omitted).
Order from OTS or SLA $1.10 61-14012
ATS $8.25 (5pp) ATS-74872P
Trans. of Zhurnal Prikladnoi Khimii (USSR) 1943, v. 16, no. 11/12, p. 351-355

DESCRIPTORS: Cellulose chemistry, *Cotton cellulose, *Synthetic fibers, Test, Colors, *Ammonium radicals, *Exchange reactions, *Pigments

(Unclassified)

61-14012

I. Kurssanov, D. N.
II. Solodkov, P. A.

184013

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Andreev, E. A., Avramenko, V. I. and others.
PREPARATION OF ALDEHYDES BY OXIDATION OF BY-PRODUCTS OF SYNTHETIC RUBBER MANUFACTURE. I. COOL FLAME OXIDATION OF SK MOTOR FUEL. [1961] 9p. 7 refs.
Order from OTS or SLA $1.10 61-16894

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1943, v. 16, p. 356-364.

DESCRIPTORS: *Synthetic rubber, Oxidation, *Aldehydes, Hydrocarbons, Flames, Fuels, Fungicides.

Optimal temperature conditions were established for operation of a semi-plant scale unit for low temperature oxidation of hydrocarbons obtained as by-products of the production of 1, 3-butadiene from ethyl alcohol (SK Motor Fuel). In the vaporizer and air preheater, a temperature of 200° is to be maintained, and in the reactor a temperature of from 400 to 420°. Up to 96% of

(Chemistry--Physical, TT, v. 6, no. 8) (over)

61-16894

I. Andreev, E. A.
II. Avramenko, V. I.
III. Title: Cool...

135119

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Stability and Volatility of Tin Oxides, by V. K. Veselovskiy, 29 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XVI, 1943, pp 397-416. 5093512

AEC UCRL Tr-821(L)

Sci - Chem
Jul 62

204, 688

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Structure and Germicidal Properties of Organic Compounds. Communication I. Derivatives of Hydroxydiphenyl, by N.M. Mel'nikov, N. S. Rokitskaya, Z. E. Bekker, 12 pp.

RUSSIAN, no per., Zhur Prik Khim, Vol XVI, No 9-10, 1943, pp 426-432.

96,111

Sci Tr Center RT-3602

Scientific - Chemistry

Jun 56/dex

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Combined Solubility of Li_2CO_3 with Na or K Carbonate in Water, by G. G. Urazov and Z. I. Lifatova, 7 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XVII, 1944, pp 16-21.

SLA R-2434

Sci

Aug 58

72,143

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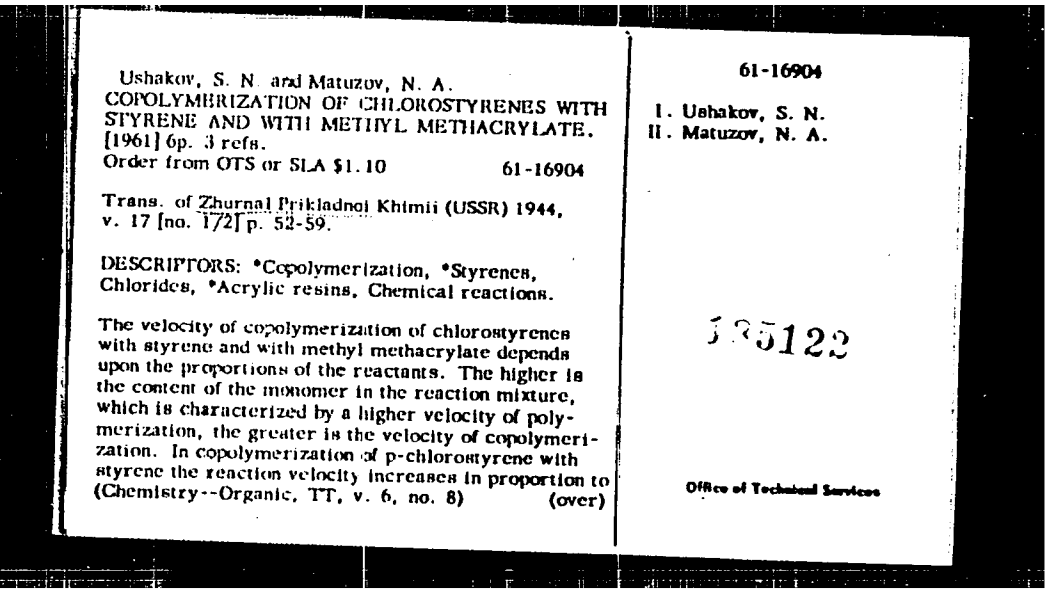

Ushakov, S. N. and Matuzov, N. A.
COPOLYMERIZATION OF CHLOROSTYRENES WITH STYRENE AND WITH METHYL METHACRYLATE.
[1961] 6p. 3 refs.
Order from OTS or SLA $1.10 61-16904

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1944, v. 17 [no. 1/2] p. 52-59.

DESCRIPTORS: *Copolymerization, *Styrenes, Chlorides, *Acrylic resins, Chemical reactions.

The velocity of copolymerization of chlorostyrenes with styrene and with methyl methacrylate depends upon the proportions of the reactants. The higher is the content of the monomer in the reaction mixture, which is characterized by a higher velocity of polymerization, the greater is the velocity of copolymerization. In copolymerization of p-chlorostyrene with styrene the reaction velocity increases in proportion to
(Chemistry--Organic, TT, v. 6, no. 8) (over)

61-16904

I. Ushakov, S. N.
II. Matuzov, N. A.

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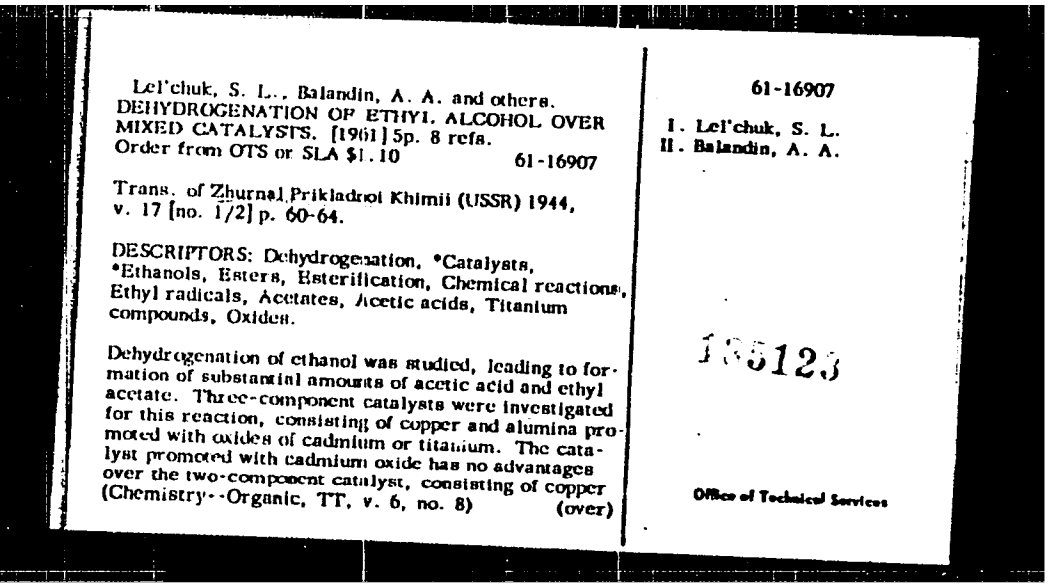
Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



Lel'chuk, S. L., Balandin, A. A. and others.
DEHYDROGENATION OF ETHYL ALCOHOL OVER MIXED CATALYSTS. [1961] 5p. 8 refs.
Order from OTS or SLA $1.10 61-16907

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1944, v. 17 [no. 1/2] p. 60-64.

DESCRIPTORS: Dehydrogenation, *Catalysts, *Ethanols, Esters, Esterification, Chemical reactions, Ethyl radicals, Acetates, Acetic acids, Titanium compounds, Oxides.

Dehydrogenation of ethanol was studied, leading to formation of substantial amounts of acetic acid and ethyl acetate. Three-component catalysts were investigated for this reaction, consisting of copper and alumina promoted with oxides of cadmium or titanium. The catalyst promoted with cadmium oxide has no advantages over the two-component catalyst, consisting of copper (Chemistry--Organic, TT, v. 6, no. 8) (over)

61-16907

I. Lel'chuk, S. L.
II. Balandin, A. A.

18512,3

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Microcolorimetric Determination of Vanadium in Rocks, Minerals, and Ores by Means of Benzidine. by I. P. Alimarin, 12 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XVII, 1944, pp 83-93.

SLA R-3099

Sci

Jul 59

91,393

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Yakubchik, A. L., Vasil'ev, A. A. and others.
CHEMICAL CHARACTERISTICS OF BUTADIENE RUBBERS BASED ON DETERMINATION OF FORMIC ACID AND FORMALDEHYDE IN THE PRODUCTS OF DECOMPOSITION OF THEIR OZONIDES. [1961] 6p. 33 refs.
Order from OTS or SLA $1.10 61-16908

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1944. v. 17 [no. 1/2] p. 107-113.

DESCRIPTORS: *Rubber, Decomposition, Ozonides, Butadienes, Formaldehyde, *Synthetic rubber, Formic acids.

A rapid method of classification of butadiene polymers and their copolymers, for instance with styrene, was developed, based on correlation of the properties of the rubber with the number of vinyl linkages in the rubber molecule indicated by ozonization. Data for 14 types of

(Materials--Rubber, TT, v, 6, no. 9)

61-16908

I. Yakubchik, A. I.
II. Vasil'ev, A. A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Ushakov, S. N., Lavrent'eva, E. M. and others. POLYVINYL ACETAL COATINGS FOR MAKING CONCRETE IMPERMEABLE TO GASOLINE. [1962] 9p. 17 refs.
Order from OTS or SLA $1.10 62-14612

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1944, v. 17 [no. 1/2] p. 125-136.

DESCRIPTORS: *Gasoline, Permeability, *Concrete, Coatings, *Acetals, Polymers, *Vinyl radicals, *Plastic coatings.

The mechanical strength, swelling, permeability to water and gasoline were determined of films of polyvinyl acetate and polyvinyl acetals, free and in the form of coatings on concrete. The dependence of the properties of the coatings upon the extent of polymerization and the nature of the substituent in the acetal of polyvinyl alcohol, as well as upon the extent of plastifica-
(Chemistr.--Physical, TT, v. 9, no. 1) (over)

62-14612

I. Ushakov, S. N.
II. Lavrent'eva, E. M.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Suvorovskaya, N. A.
DETERMINATION OF IRON IN ALUMINATE SOLUTIONS BY A POLAROGRAPHIC METHOD, tr. by Ingeborg V. Baker and George N. Kosachkoff. 4 Jun 63, 6p. 6 refs. [AMC] (Redstone) Trans-no. 1-63. Order from OTS or SLA $1.10 63-15134

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1944, v. 17, no. 3, p. 156-158.

DESCRIPTORS: *Aluminates, Solutions, *Iron, *Polarographic analysis, Iron compounds, Sulfides, Complex compounds.

This work demonstrates the practicability of using the polarographic method of analysis for determination of iron in aluminate solutions. The iron is precipitated in the form of sulfide, dissolved in hydrochloric acid, and reduced by sulfur dioxide during boiling of the solution (Chemistry--Analytical, TT, v. 10, no. 2) (over)

63-15134

I. Suvorovskaya, N. A.
II. AMC(Redstone) Trans-1-63
III. Army Missile Command, Redstone Arsenal, Ala.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Determination of Phosphorus in Limestones by Titration of Excess 8-Hydroxyquinoline, by P. O. Budnikov and S. S. Zhukovskaya, 7 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XVII, 1944, pp 165-169.

SLA R-2541

Sci

Aug 58

72,803

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Action of Na_2SO_4 on the Decomposition of Spodumene of Fusion with K_2SO_4, by G. P. Aleksandrov, 6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XVII, 1944, pp 183-187.

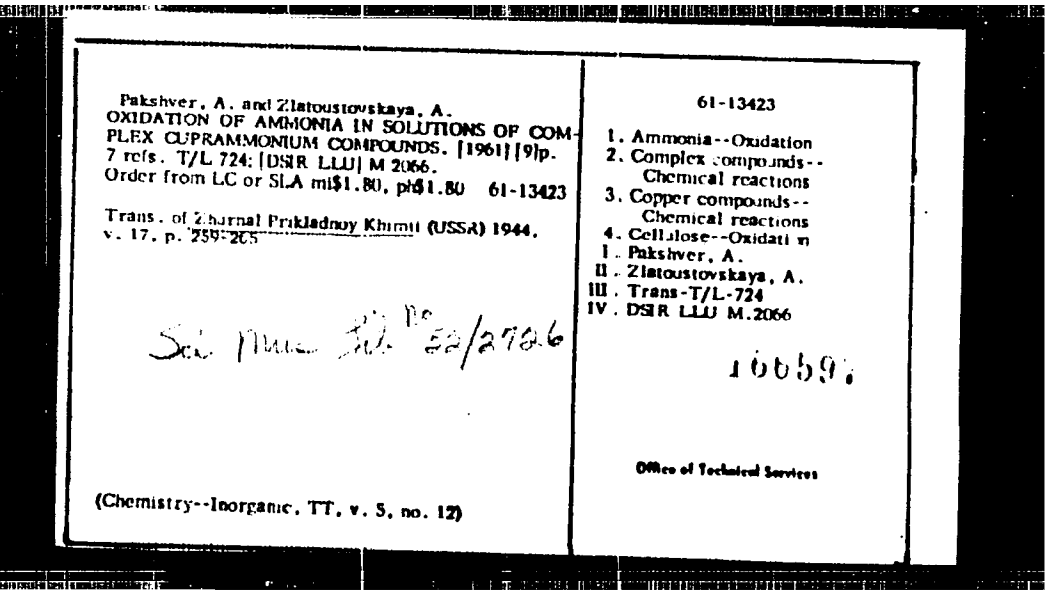
SLA R-2435.

Sci

Aug 58

72,118

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



Pakshver, A. and Zlatoustovskaya, A.
OXIDATION OF AMMONIA IN SOLUTIONS OF COMPLEX CUPRAMMONIUM COMPOUNDS. [1961] [9]p. 7 refs. T/L 724: [DSIR LLU] M 2066.
Order from LC or SLA mi$1.80, ph$1.80 61-13423

Trans. of Zhurnal Prikladnoy Khimii (USSR) 1944. v. 17, p. 259-265

Sci Mus Bd No 52/2786

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

61-13423

1. Ammonia--Oxidation
2. Complex compounds--Chemical reactions
3. Copper compounds--Chemical reactions
4. Cellulose--Oxidation
I. Pakshver, A.
II. Zlatoustovskaya, A.
III. Trans-T/L-724
IV. DSIR LLU M.2066

16659

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Pakshver, A. and Zlatoustovskaya, A.
THE OXIDATION OF AMMONIA IN SOLUTIONS OF COMPLEX CUPRAMMONIUM COMPOUNDS. [1964] 12p 8refs
Order from OTS, SLA, or ETC $1.60 TT-64-10771

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1944, v. 17, no. 4/5, p. 259-265.
Another trans. is available from LC or SLA mi$1.80, ph$1.80 as TT-61-13423 [1961] [9p].

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

TT-64-10771

I. Pakshver, A.
II. Zlatoustovskaya, A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Rapid Method for the Analysis of NH_4NO_2 in Hydrated Form, by V. G. Vasil'ev, 10 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XVII, 1944, pp 266-273.

BLA R-2436

Sci

Aug 58

72,116

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Amelin, A. G.
SULPHURIC ANHYDRIDE ABSORPTION WITH WATER SULPHURIC ACID SOLUTIONS (Absorbtsiya Sernogo Angidrida Vodnymi Rastvorami Sernoi Kisloty). 17p. (foreign text included) 7 refs. DTC-1.
Order from OTS, ETC or DTC $1.30 62-28788

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1944, v. 17 [no. 6] p. 319-325.

DESCRIPTORS: *Sulfuric acid, *Anhydrides, *Absorption, Solutions, Experimental data.

(Chemistry--Physical, TT, v. 10, no. 2)

62-28788

I. Amelin, A. G.
II. DTC-1
III. Danish Translations Centre, Roskilde

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Complex Treatment of Apatite with Hydrochloric Acid, by S. I. Volfkovich and A. Loginova, 17 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XVII, 1944, pp 381-393.

SLA R-2149
OTS 63-14640

Sci

Aug 58

72, 154

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Improvement in the Manufacture of Sodium Fluosilicate 11. Solubility of Sodium Fluosilicate, by K. E. Kleiner, 10 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XVII, 1944, pp 409-416.

SIA R-2152 also 63-14616

Sci

Aug 58

72,428

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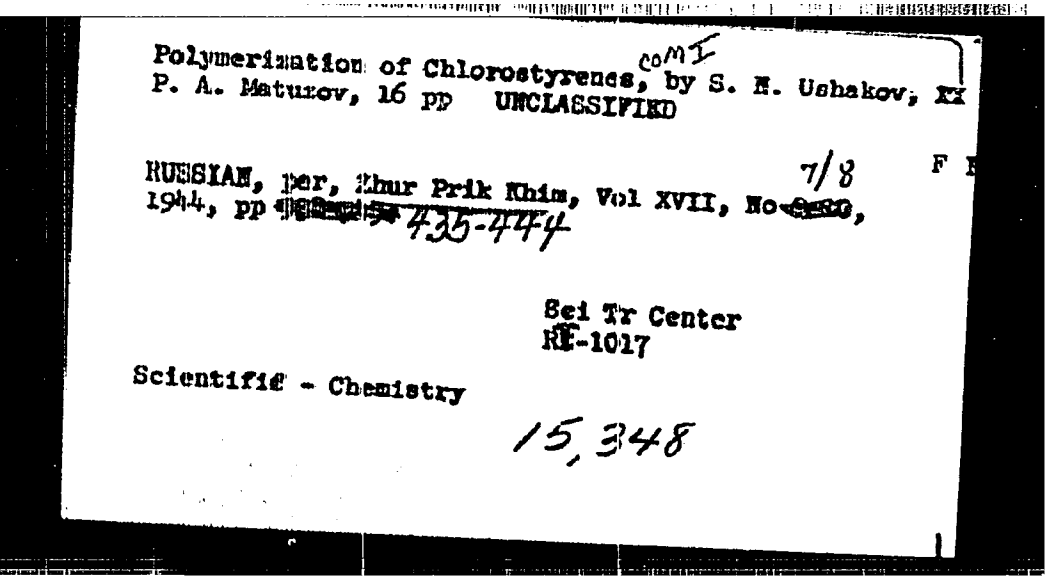


Polymerization of Chlorostyrenes, by S. N. Ushakov, M
P. A. Maturov, 16 pp UNCLASSIFIED

RUSSIAN, per, Zhur Prik Khim, Vol XVII, No 7/8 F
1944, pp 435-444

Sci Tr Center
RE-1017

Scientific - Chemistry

15,348

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Drinberg, A. Ya. and Krechkov, P. P.
RESINS AND VARNISHES FROM SUBSTITUTED PHENOLS OBTAINABLE FROM PEAT TAR. [1961] 5p. 15 refs.
Order from OTS or SLA $1.10 61-18218

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1944, v. 17, p. 458-462.

DESCRIPTORS: *Resins, Varnishes, Phenols, Peat, Substitution reactions.

The possibility was demonstrated of preparing a resin and a varnish of quality not lower than that prepared from pure alkyl phenols, using widely differing alkylated phenols from peat. Addition of about 30% of a mixture of cresols to tertiary butylphenol lowers the quality of the varnish obtained. (Author)

(Materials--Finishes, TT, v. 6, no. 5)

61-18218

I. Drinberg, A. Ya.
II. Krechkov, P. P.

Office of Technical Services

Kmelevskii, V.I. and Postovskii, I. Ya.
METHOD OF INVESTIGATION AND ANALYSIS OF COMPOUNDS OF CRUDE ANTHRACENE AND OTHER HIGH-BOILING FRACTIONS OF COAL TAR. Rept. 10 on Polycyclic Hydrocarbons. [1961] 13p. (1 fig. omitted) 24 refs.
Order from OTS or SLA $1.60 61-20929

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1944, v. 17, p. 463-470.

DESCRIPTORS: *Hydrocarbons, *Anthracenes, *Coal tar, Boiling, Fractionation.

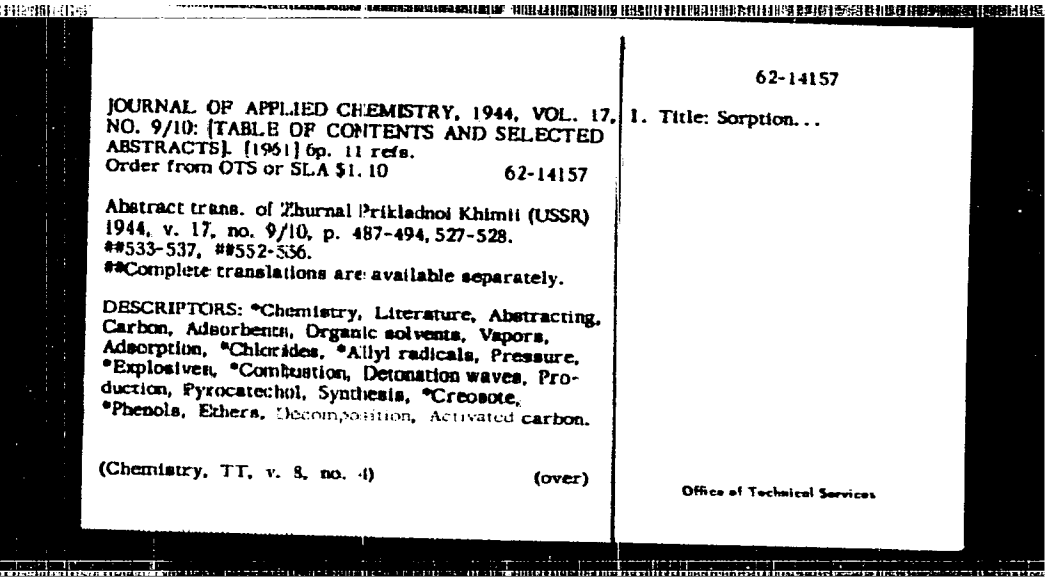
(Chemistry--Organic, TT, v. 7, no. 9)

61-20929

I. Kmelevskii, V. I.
II. Postovskii, I. Ya.
III. Title: Polycyclic...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



JOURNAL OF APPLIED CHEMISTRY, 1944, VOL. 17, NO. 9/10: [TABLE OF CONTENTS AND SELECTED ABSTRACTS]. [1961] 6p. 11 refs.
Order from OTS or SLA $1.10 62-14157

Abstract trans. of Zhurnal Prikladnoi Khimii (USSR) 1944, v. 17, no. 9/10, p. 487-494, 527-528.
##533-537, ##552-556.
**Complete translations are available separately.

DESCRIPTORS: *Chemistry, Literature, Abstracting, Carbon, Adsorbents, Organic solvents, Vapors, Adsorption, *Chlorides, *Allyl radicals, Pressure, *Explosives, *Combustion, Detonation waves, Production, Pyrocatechol, Synthesis, *Creosote, *Phenols, Ethers, Decomposition, Activated carbon.

(Chemistry, TT, v. 8, no. 4) (over)

62-14157

1. Title: Sorption...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Sulfate Nitrophosphs 1. IV. Polytherm of the Ternary System: Ammonium Sulfate, Water, Ammonium Monophosphate, by P. V. Mel'chev, A. G. Bergman, 9 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XVII, 1944, pp 520-526.

OTS 60-18075
SLA R-3356

Sci

Aug 59

93,578

The Problem of the Mechanism of Transition from Burning to Detonation of Explosive Materials, by K. K. Andreyev.

RUSSIAN, mo per, Zhur Prik Khim, Vol XVII, No 9/10, 1944, pp 533-537.

T.I.L. T.4681

Sci - Chemistry 36,926

Aug 1956

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Polymerization of Chlorostyrenes, Comm II by S. N. Ushakov, P. A. Matuzov, 15 pp UNCLASSIFIED

RUSSIAN, per, Zhur Prik [redacted] Khim, Vol XVII [redacted], No 9/10 [redacted],
[redacted] pp [redacted],
1944 538-545

Sci Tr Center
RT-1018

Scientific - Chemistry

15,349

Conditions of Formation of Manganese Coatings and Some of Their Properties, by K. Gorbunova.

RUSSIAN, par, Zhur Prik Khim, Vol XVII, 1944, pp 581-587.

CSIRO

Sci - Chem
XXX Aug 62

207,418

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Globus, R. L. and Moshchinskaya, N. K.
RESEARCH ON DIPHENYLMETHANE AND ITS DERIVATIVES. III. DESTRUCTIVE HYDROGENATION OF DIPHENYLMETHANE. [1961] (p. 11 refs.
Order from OTS or SLA $1.10 61-18347

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1944, v. 17 [no. 11/12] p. 423-6.

DESCRIPTORS: *Diphenylmethanes, Hydrogenation, Pressure, Decomposition, *Benzenes, *Toluenes, Synthesis, Catalysts, Catalysis, Methanes, Phenyl radicals

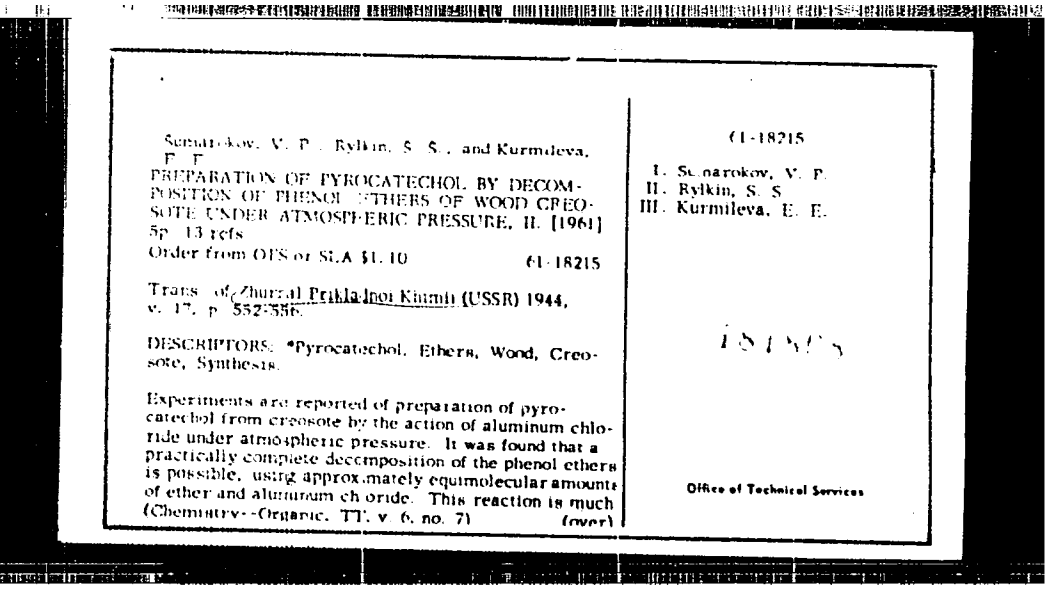
Destructive hydrogenation of diphenylmethane under atmospheric pressure and under 100 atm. hydrogen pressure was studied. It was established that diphenylmethane can completely decompose to benzene and toluene: $C_6H_5CH_2C_6H_5 + H_2 \rightarrow C_6H_6 + C_6H_5CH_3$. (Author) (See also 60-13870)

61-18347

I. Globus, R. L.
II. Moshchinskaya, N. K.
III. Title: Destructive...

(Chemistry--Organic, TT, v. 6, no. 10)
Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



Sumarokov, V. P., Rylkin, S. S., and Kurmileva, E. E.
PREPARATION OF PYROCATECHOL BY DECOMPOSITION OF PHENOL ETHERS OF WOOD CREOSOTE UNDER ATMOSPHERIC PRESSURE, II. [1961]
5p 13 refs
Order from OTS or SLA $1.10 61-18215

Trans of Zhurnal Prikladnoi Khimii (USSR) 1944, v. 17, p 552-556

DESCRIPTORS: *Pyrocatechol, Ethers, Wood, Creosote, Synthesis.

Experiments are reported of preparation of pyrocatechol from creosote by the action of aluminum chloride under atmospheric pressure. It was found that a practically complete decomposition of the phenol ethers is possible, using approximately equimolecular amounts of ether and aluminum chloride. This reaction is much
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18215
I. Sumarokov, V. P.
II. Rylkin, S. S.
III. Kurmileva, E. E.

OTS

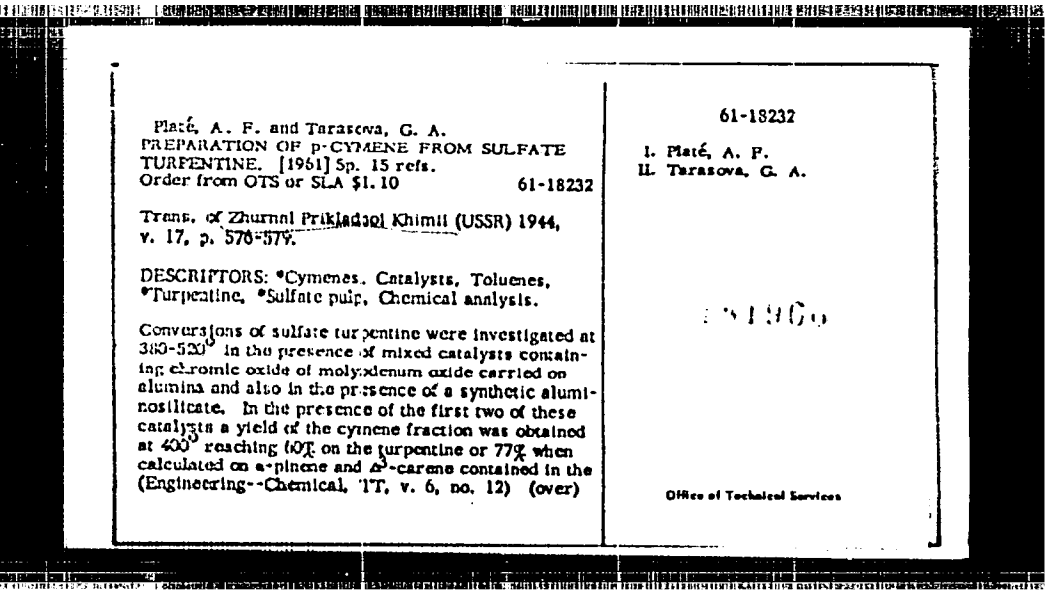
Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Crystallization, Viscosity, Density and Mutual Solubility of Some Solutions of the System $LiCl-H_2O-nC_3H_7OH$, by V. T. Slavyanskii, 8 pp.
RUSSIAN per, Zhurnal Prikladnoi Khimii, Vol 37, 1944, pp 570-575.
TC-399

336.213

Sci
Aug 67



Platé, A. F. and Tarasova, G. A.
PREPARATION OF p-CYMENE FROM SULFATE TURPENTINE. [1961] 5p. 15 refs.
Order from OTS or SLA $1.10 61-18232

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1944, v. 17, p. 576-579.

DESCRIPTORS: *Cymenes, Catalysts, Toluenes, *Turpentine, *Sulfate pulp, Chemical analysis.

Conversions of sulfate turpentine were investigated at 380-520° in the presence of mixed catalysts containing chromic oxide of molybdenum oxide carried on alumina and also in the presence of a synthetic aluminosilicate. In the presence of the first two of these catalysts a yield of the cymene fraction was obtained at 400° reaching 60% on the turpentine or 77% when calculated on α-pinene and Δ³-carene contained in the (Engineering--Chemical, TT, v. 6, no. 12) (over)

61-18232

I. Platé, A. F.
II. Tarasova, G. A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Dicaine, A Local Anesthetic, by I. Kh. Fel'dman, E. L. Kopelovich, 12 pp.

RUSSIAN, per, Zhurnal Prikladnoi N Khimii, Vol XVII, Nos 11, 12, XH 1944, pp 588-593.

Sci Trans Center RT-3406

Scientific - Chemistry, Medicine

32,718

Apr 56

Zhur Prik Khim Vol 17, 1944 pp 594-598

Bismuth Electroplating, by A. I. Lewin

AEC Trans

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Bismuth Electroplating, by A. Levin, 15 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XVII, 1944, pp 613-618.

SLA R-2781

Sci

Jul 59

92, 415

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

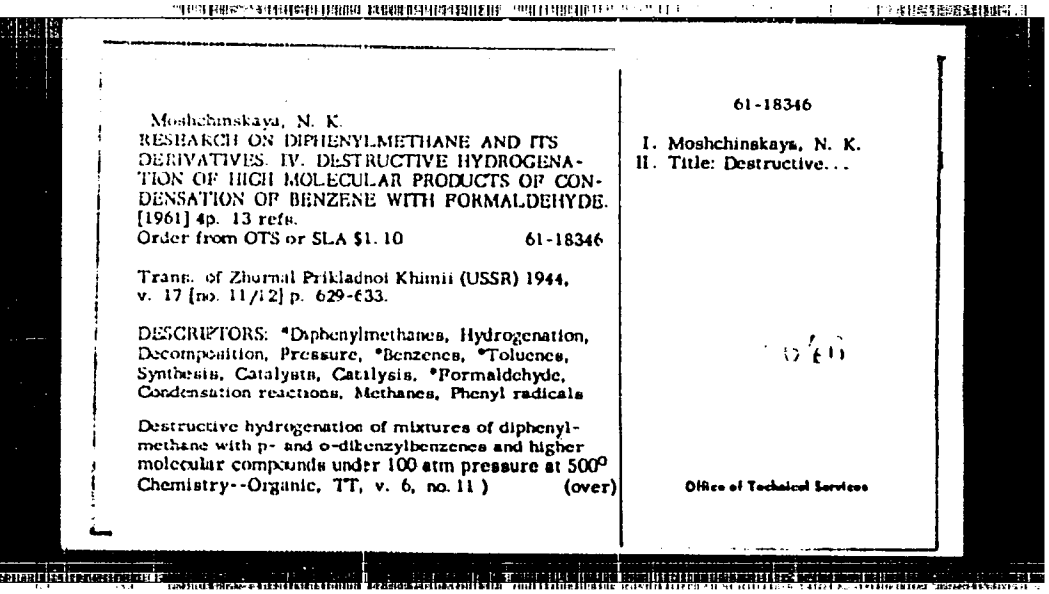
GORBUNOV, N. S.

Zhurnal Prikladnoi Khimii, vol. 17, Nos. 9-10, 9 figures, 6 tables, 2500 words; 1944.

Chromized Layers on Iron and Steel.

Brutcher Trans, Order No. 1806, $3.75.

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



Moshchinskaya, N. K.
RESEARCH ON DIPHENYLMETHANE AND ITS DERIVATIVES. IV. DESTRUCTIVE HYDROGENATION OF HIGH MOLECULAR PRODUCTS OF CONDENSATION OF BENZENE WITH FORMALDEHYDE. [1961] 4p. 13 refs.
Order from OTS or SLA $1.10 61-18346

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1944, v. 17 [no. 11/12] p. 629-633.

DESCRIPTORS: *Diphenylmethanes, Hydrogenation, Decomposition, Pressure, *Benzenes, *Toluenes, Synthesis, Catalysts, Catalysis, *Formaldehyde, Condensation reactions, Methanes, Phenyl radicals

Destructive hydrogenation of mixtures of diphenylmethane with p- and o-dibenzylbenzenes and higher molecular compounds under 100 atm pressure at 500°
Chemistry--Organic, TT, v. 6, no. 11) (over)

61-18346

I. Moshchinskaya, N. K.
II. Title: Destructive...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Bashkirov, A. N. and Karavaev, N. M.
A NEW METHOD OF ISOLATION OF STYRENE FROM CRUDE BENZOL. [1961] 6p. 24 refs.
Order from OTS or SLA $1.10 61-18188

Condensed trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1944, p. 763-772.

DESCRIPTORS: *Styrenes, Separation, Chlorination, Chlorides, Benzene.

A method of isolation of styrene is proposed, which is said to have passed the laboratory stage of study. It consists in treating the fraction 135-150° of crude benzol with a 15 per cent solution of sodium hydroxide and then with 3 per cen sulfuric acid. The product, free of phenols and basic compounds, is then chlorinated, and since dichlorostyrene boils at 233-234°, it can easily be separated from the xylenes by distillation, after which dichlorostyrene is dechlorinated at 175° with bog iron ore, reduced at 500-550° with hydrogen or other reducing gases. The yield of dichlorostyrene
(Chemistry--Organic, TT, v. 6, no. 6) (over)

61-18188

I. Bashkirov, A. N.
II. Karavaev, N. M.

176606

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Sumarokov, V. P. and Bogoyavlenskaya, V. N.
PREPARATION OF PYROCATECHOL FROM WOOD CREOSOTE BY DECOMPOSITION OF PHENOL ETHERS UNDER ATMOSPHERIC PRESSURE, III.
[1961] 4p. 3 refs.
Order from OTS or SLA $1.10 61-18345

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR) 1944, v. 17 [no. 11/12] p. 650-655.

DESCRIPTORS: *Pyrocatechol, Preparation, *Creosote, *Phenols, *Ethers, Decomposition, *Hydrochloric acids, Chemical reactions, Temperature, Velocity, *Anilines.

The dependence of the velocity of decomposition of polyhydric phenols upon the temperature, the amount of aniline used and the rate of flow of hydrogen chloride forming the aniline salt was studied. A rise of the tem-
(Chemistry--Organic, TT, v. 6, no. 10) (over)

61-18345

I. Sumarokov, V. P.
II. Bogoyavlenskaya, V. N.

187255

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Purification of Xylose-Containing Solutions with Calcium Oxides, by N. A. Sychev and M. I. Shmatova, 4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXII, 1944, pp ~~381-393~~. 655-658.

SLA R-21[illegible]72

Sci

Aug 58

72,153

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Catalytic Oxidation of Phenanthrene. I. Effect of Various Factors on the Catalytic Oxidation of Phenanthrene, by N. N. Vorozhtsov, D. A. Gurevich, 7 pp.

RUSSIAN, mo per, Zhur Prik Khim, Vol XVIII, No 1/2, 1945, pp 3-9.

SLA 62-1088
Bel Tr Ctr RT-3438

34, 918

Scientific - Chemistry

May 56 CPB/Gmt

Vorozhtsev, N. N. and Gurevich, D. A.
CATALYTIC OXIDATION OF PHENANTHRENE. II. MECHANISM OF ACTION OF VANADIUM PENTOXIDE [Zucheniе Kataliticheskogo Okisleniya Fenantrena, II]. [1961] 4p. 2 refs.
Order from OTS or SLA $1.10 61-18223

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18 [no. 1/2] p. 10-14.

DESCRIPTORS: Oxidation *Phenanthrenes, Catalysts, *Vanadium compounds, Oxides, Vapor phase, Crystals, Naphthalenes.

Observations of the process of oxidation of hydrocarbons over vanadium pentoxide were correlated with a study of microphotographs of the surface of samples of the catalyst. It was established that vanadium pentoxide interacts with the charge and this results in essential changes of its surface involving reduction to the tri-

(Chemistry--Physical, TT, v. 6, no. 8) (over)

61-18223

I. Vorozhtsev, N. N.
II. Gurevich, D. A.
III. Title: Mechanism...

[illegible]139

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Lozovoi, A. V. and Senyavin, S. A.
VELOCITIES OF DECOMPOSITION OF HYDROCARBONS IN DESTRUCTIVE HYDROGENATION. II. ANTHRACENE, 9,10-DIHYDROANTHRACENE, SYMMETRICAL OCTAHYDROANTHRACENE, PERHYDROANTHRACENE, PHENANTHRENE AND 1,2-BENZANTHRACENE. [1961] 7p. 30 refs.
Order from OTS or SLA $1.10 61-18224

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18 [no. 1/2] p. 35-42.

DESCRIPTORS: *Hydrocarbons, Decomposition, *Hydrogenation, *Anthracenes, Catalysts, *Phenanthrenes.

Hydrogenation of 6 fused ring polynuclear aromatic and hydroaromatic hydrocarbons was studied under an initial hydrogen pressure of 80 atm. at 380, 420 and 475° in the presence of 5% molybdenum sulfide, and the
(Chemistry--Organic, TT, v. 6, no. 8) (over)

61-18224

I. Lozovoi, A. V.
II. Senyavin, S. A.
III. Title: Anthracene...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Mamedli, M. G.
CATALYTIC DESULFURIZATION OF GASOLINE, I. [1961] 5p. 22 refs.
Order from OTS or SLA $1.10 61-18242

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18 [no. 1/2] p. 62-68.

DESCRIPTORS: Catalysts, *Gasoline, Sulfur compounds, Fuels, Clays, Hydrocarbons, Decomposition, Separation.

A study of the suitability of 12 samples of clays from four regions on the Apsheron peninsula in USSR for catalytic desulfurization of gasoline showed that some natural clays can be used without activation for this process, effecting removal of up to 88% of the sulfur from samples with an initial sulfur content of 0.05% at 400°C. However, at this temperature partial cracking may occur and the optimal conditions are thought (Materials--Fuels, TT, v. 6, no. 8) (over)

61-18242

1. Title: Desulfurization
I. Mamedli, M. G.

[illegible]5143

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

On Effectiveness of Oxygenated Air Application in the Contact Nitric Acid Manufacture, by V. I. Atroshchenko, 9 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XVIII, Nos 1, 2, 1945, pp 61-65.

26 7/5

Sci Trans Center
RT 8350

Scientific - Chemistry Sep 55 CTS/DEX

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Grinevich, V. M.
A STUDY OF ZINC-CHROMIUM CATALYSTS FOR SYNTHESIS OF METHANOL. [1961] 5p. 3 refs.
Order from OTS or SLA $1. 10 61-18348

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 90-96.

DESCRIPTORS: *Methanols, Synthesis, *Zinc compounds, *Chromium compounds, *Oxides, Catalysts, Catalysis.

The efficiency of the catalyst for synthesis of methanol of the composition 8ZnO. Cr_2O_3. CrO_3 is raised by about 40% by substituting chromium oxide by chromium trioxide, without affecting the composition of the product. The catalysts 8ZnO. $3CrO_3$ and 2ZnO. CrO_3 are identical in activity. An increase of their content of chromium to a composition of ZnO. CrO_3 reduces the efficiency of the catalyst by 60% when the latter is pre-
(Chemistry--Organic, TT, v. 6, no. 10) (over)

61-18348

I. Grinevich, V. M.

257

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

JOURNAL OF APPLIED CHEMISTRY, 1945, VOL. 18, NO. 3: [TABLE OF CONTENTS AND SELECTED ABSTRACTS, [1961] 3p. 7 refs.
Order from OTS or SLA $1.10 62-14160

Abstract trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, no. 3, p. 101-111, 121-125, 175-176, 184-190

DESCRIPTORS: *Chemistry, Abstracting, Periodicals, Indexes, Acetones, Chlorides, Synthesis, Plants, Oils, Coal, Coal tar, Chemical analysis

Contents:

(over)

62-14160

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Ivanov, K. I., Blagova, T. A. and others.
PREPARATION OF LUBRICATING OILS BY ALKYLATION OF COAL TAR HYDROCARBONS. [1961] 14p. 18 refs.
Order from OTS or SLA $1.10 61-18239

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 158-171.

DESCRIPTORS: *Coal tar, Hydrocarbons, Lubrication, *Oils, Synthesis, Alkyl radicals.

Alkylation of aromatic hydrocarbons of coal tar from coking with olefins of the coke oven gas in the presence of aluminum chloride and hydrogen chloride may form up to 38% lubricating oils calculated on the hydrocarbon charge. The quality of the oil is close to petroleum oil. It requires no treatment with chemicals or dewaxing. Considerable quantities (up to 40%) of gasoline consisting of saturated hydrocarbons are also obtained which
(Materials--Lubricants, TT, v. 6, no. 6) (over)

61-18239

I. Ivanov, K. I.
II. Blagova, T. A.

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Office of Technical Services

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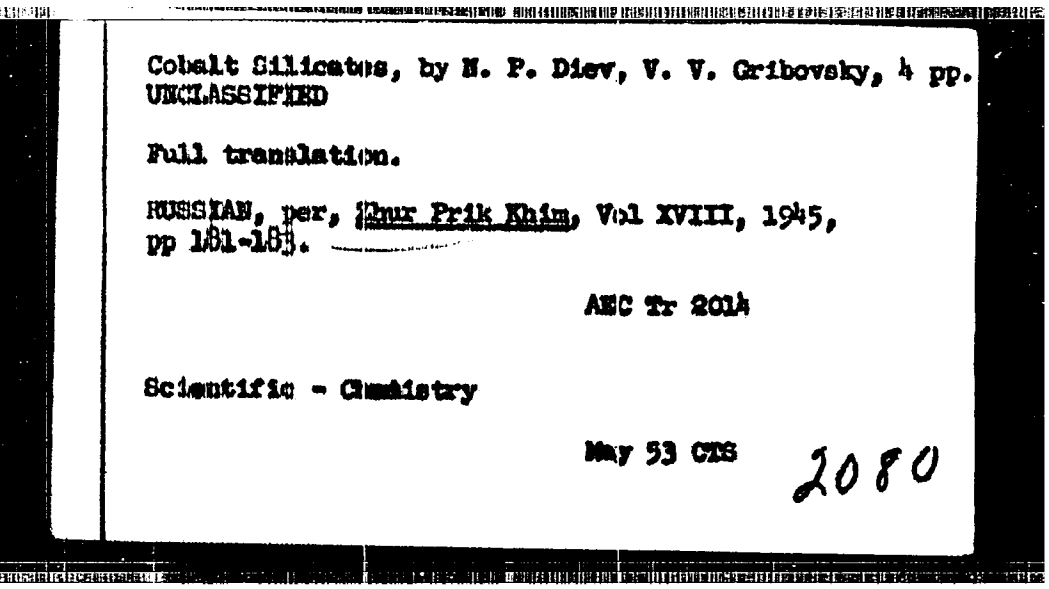


Cobalt Silicates, by N. P. Diev, V. V. Gribovsky, 4 pp.
UNCLASSIFIED

Full translation.

RUSSIAN, per, Zhur Prik Khim, Vol XVIII, 1945,
pp 181-185.

AEC Tr 2014

Scientific - Chemistry

May 53 CRS 2080

INVESTIGATION IN THE FIELD OF VOLATILE SOLVENTS RECOVERY ON SOLID SORBENTS. 9. INVESTIGATION OF THE DESORPTION OF VOLATILE SOLVENTS FROM CARBON LAYERS, BY E. V. ALEKSEYEVSKIY, Z. S. VANYUSHINA,

RUSSIAN, PER, ZHUR PRIK KHIM, VOL X XVIII, 1945 PP 193-206.

NLL M.3480

SCI - CHEM

JUN 62 199,105

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Zhur Prik Khim XVIII, 221-9, (1945)

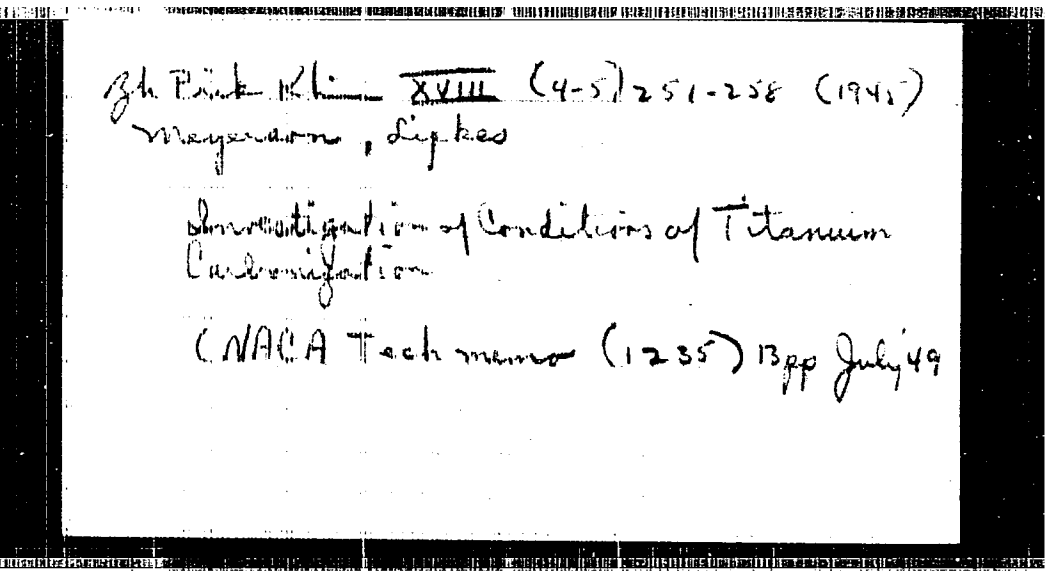
Adsorption Properties of Kaolin

Ya. A. Fialkov (Inst of Chem os USSR Acad Sci)

(Wilson Dam 2441)

SCA R-2634

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



Zh. Prik. Kh. XVIII (4-5) 251-258 (1945)
Magnesium, Lipkes

Investigation of Conditions of Titanium Carburization

(NACA Tech memo (1235) 13pp July '49

Quantitative Separation of Columbium and Titanium With Sodium Hypophosphite, by I. P. Alimarin, T. A. Burova.

RUSSIAN, [illegible], Zhur Prik Khim, Vol XVIII, No 6, 1945, pp 289-293.

Brutcher Tr No 2584

4105

Scientific - Chemistry

$4.85

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Zhur Prik Khim, XVIII, 294-300 (1945)

Electrolysis of Nickel Mat

M. Loshkarev, O. Esin, and G. Lapp (Electrochem Lab of the Kirov Ural Industrial Inst)

(Wilson Dam 2442)

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Khain, S. S., Frost, A. V. and others.
DEHYDRATION OF ISOPROPYL ALCOHOL OVER SOLID CATALYSTS. [1951] 8p. 13 refs.
Order from OTS or SLA $1.10 61-18344

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 301-308.

DESCRIPTORS: *Propanols, Dehydration, *Propyl ethers, Synthesis, *Aluminum compounds, *Alums, Catalysis, Chemical reaction, Temperature, Pressure, Velocity

A catalyst was developed with which 25.9-29.4 mol-% yields of isopropyl ether can be obtained from isopropyl alcohol of 92-95% concentration, when calculated on the alcohol charged or 66.5-73.8% on the alcohol converted, for a rate of flow of 1.16-5.70 l/kg catalyst per hour and a reaction temperature of
(Chemistry--Physical, TIF, v. 6, no. 10) (over)

61-18344

I. Khain, S. S.
II. Frost, A. V.

Office of Technical Services

JOURNAL OF APPLIED CHEMISTRY, 1945, VOL. 18, NO. 6: [TABLE OF CONTENTS AND SELECTED ABSTRACTS]. [1961] 3p.
Order from OTS or SLA $1.10 62-14162

Abstract trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, no. 6, p. ##313 and 372-373.
##A complete trans. of p. 313-321 is available from SLA as RT-3405.

DESCRIPTORS: *Chemistry, Literature, Abstracting, Ammonia, Catalysts, Bactericides, Determination.

Contents:
##Selection of new materials for ammonium catalysts, by V. M. Grinevich
Determination of small amounts of antiseptics of the type of zefirol, by G. A. Garkusha and T. N. Pater. (Chemistry, TT, v. 8, no. 4)

62-14162

1. Title: Zefirol

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Selection of New Kinds of Raw Material for Ammonia Catalysts, by V. M. Grinevich, 14 pp.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol XVIII, No 6, 1945, pp 313-321.

Sci Trans. Center RT-3405

Scientific - Chemistry 32, 711

Apr 56

Firsanova, E. N.
INVESTIGATION OF THE CHEMICAL COMPOSITION OF SYNTHIN. II. ANALYSIS OF WATER FORMED IN SYNTHESIS OF HYDROCARBONS. [1961] 6p. 5 refs.
Order from OTS or SLA $1.10 61-18341

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 367-371.

DESCRIPTORS: *Hydrocarbons, Synthesis, Nickel, Cobalt, Aluminum, Catalysts, Chemical reactions, *Alcohols, *Acids, *Water, Chemical analysis.

The products of interaction of carbon monoxide with hydrogen under atmospheric preasure in the presence of a nickel-cobalt-aluminum catalyst at 180-190°C contain not only hydrocarbons and small amounts of acids, but also aliphatic alcohols and aldehydes soluble in water. From the reaction water 0.15-0.37% neutral (Chemistry--Organic, TT, v. 6, no. 10) (over)

61-18341

I. Firsanova, E. N.
II. Title: Analysis ...

253

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

The Theory of Equilibrium Concentrations and Continuous Flow of a Solution; Counter-flow Processes, by N. I. Kirillov, 21 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XVIII, No 7/8, 1945, pp 381-392.

SLA 60-18411
(SLA 63-1474)

Sci
Vol IV, No 11
Jun 62

199,251

K-H-1031

Stability and Volatility of Tin Oxides, by V. K. Venelovskiy, 28 pp.

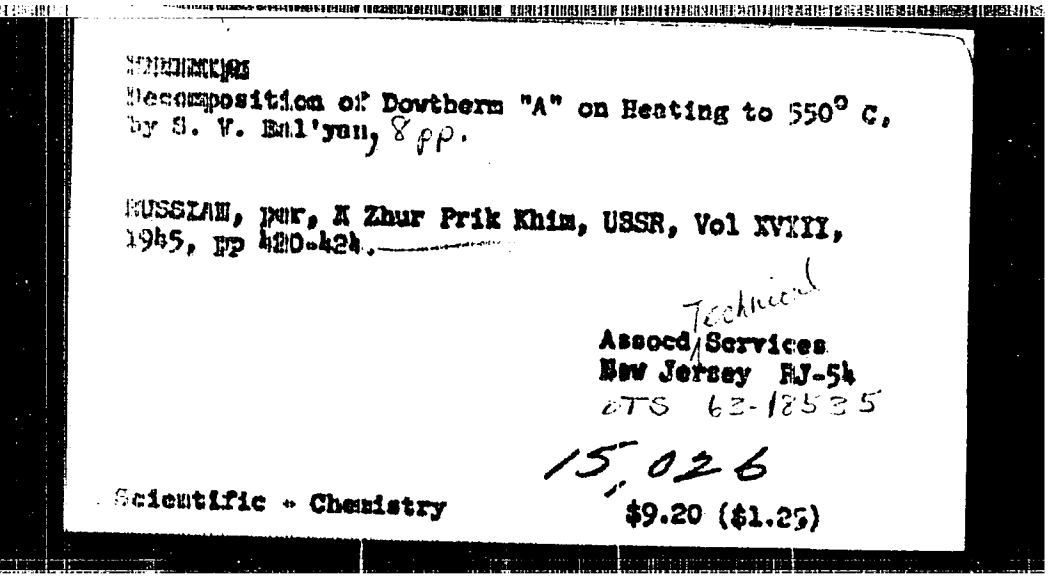
RUSSIAN, per, Zhur Prik Khim, Vol XVI, No 9, 10, 1945, pp 997-1015.

Sci Mus Lib No 54/3560

Scientific - Chemistry Apr 55 CTS/DEX

23,308

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



[redacted]
Decomposition of Dowtherm "A" on Heating to 550° C,
by S. V. Bal'yan, 8 pp.

RUSSIAN, pur, Zh Zhur Prik Khim, USSR, Vol XVIII,
1945, pp 420-424.

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Scientific - Chemistry

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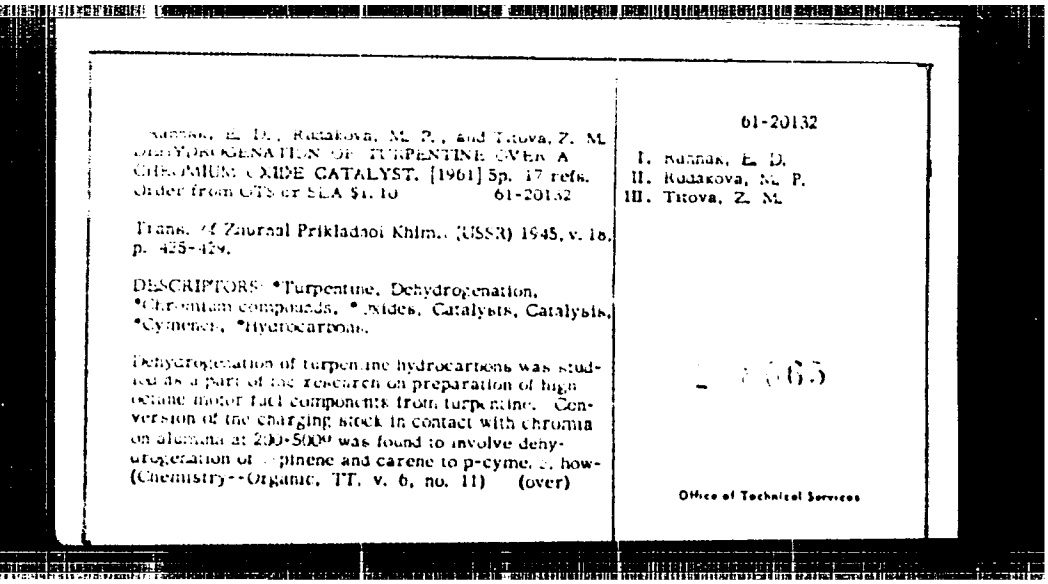

Rudnak, E. D., Rudakova, M. P., and Titova, Z. M. DEHYDROGENATION OF TURPENTINE OVER A CHROMIUM OXIDE CATALYST. [1961] 5p. 17 refs. Order from CTS or SLA $1.10 61-20132

Trans. of Zhurnal Prikladnoi Khim., (USSR) 1945, v. 18, p. 425-429.

DESCRIPTORS: *Turpentine, Dehydrogenation, *Chromium compounds, *Oxides, Catalysts, Catalysis, *Cymenes, *Hydrocarbons.

Dehydrogenation of turpentine hydrocarbons was studied as a part of the research on preparation of high octane motor fuel components from turpentine. Conversion of the charging stock in contact with chromia on alumina at 200-500° was found to involve dehydrogenation of alpha-pinene and carene to p-cymene, s. how- (Chemistry--Organic, TT, v. 6, no. 11) (over)

61-20132

I. Rudnak, E. D.
II. Rudakova, M. P.
III. Titova, Z. M.

Office of Technical Services

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Zhur Prik Khim, XVIII, 439-49 (1945)

Kinetics and Mechanism of Catalytic Conversion of Xxxx Carbon Monoxide

V. A. Roiter, S. S. Gaukhman, N. P. Pisarzhevskaya and T. M. Ovaliya (Pisarzhevskiy Inst of Phys Chem, USSR Acad Sci)

(~~Wilson Dem 2419~~)

X - 128

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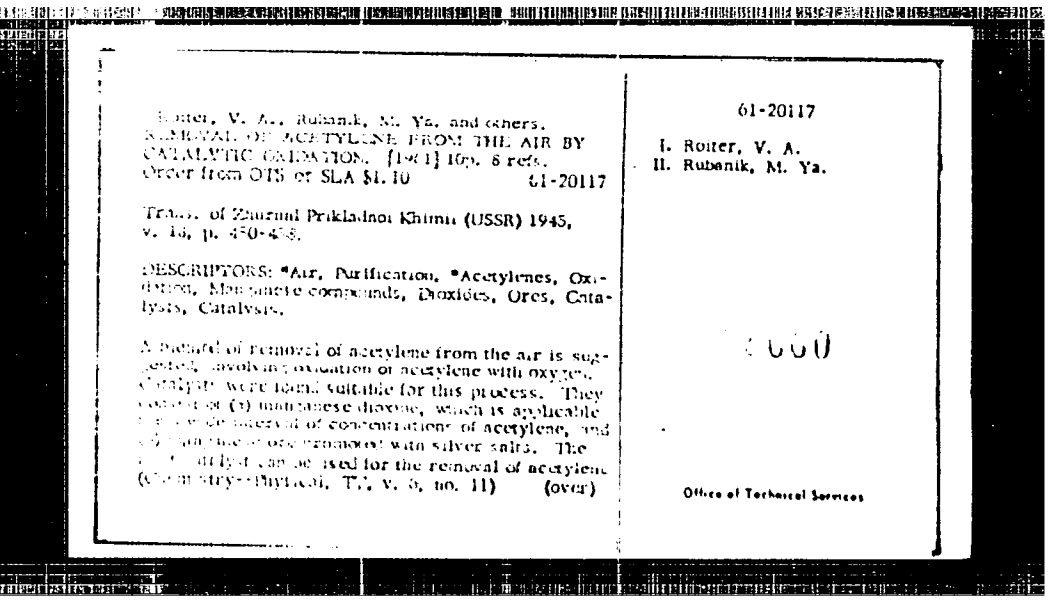


Rotter, V. A., Rubanik, M. Ya. and others.
REMOVAL OF ACETYLENE FROM THE AIR BY CATALYTIC OXIDATION. [1941] 10p. 6 refs.
Order from OTS or SLA $1.10 61-20117

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 470-478.

DESCRIPTORS: *Air, Purification, *Acetylenes, Oxidation, Manganese compounds, Dioxides, Ores, Catalysis, Catalysts.

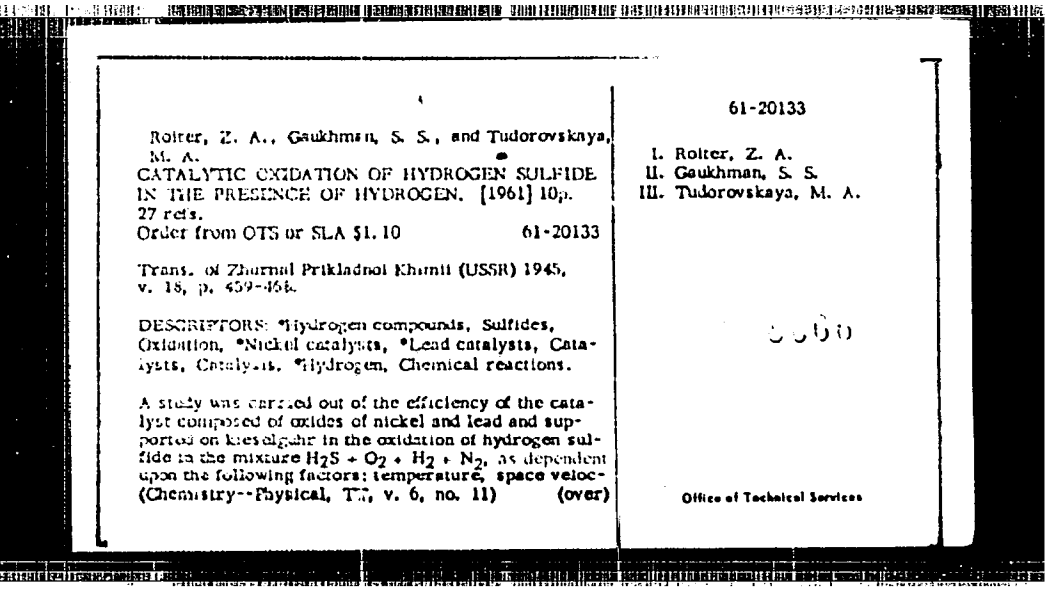
A method of removal of acetylene from the air is suggested, involving oxidation of acetylene with oxygen. Catalysts were found suitable for this process. They consist of (1) manganese dioxide, which is applicable [illegible] of concentrations of acetylene, and [illegible] with silver salts. The [illegible] can be used for the removal of acetylene. (Chemistry-Physical, T., v. 5, no. 11) (over)

61-20117

I. Rotter, V. A.
II. Rubanik, M. Ya.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



Rolter, Z. A., Gaukhman, S. S., and Tudorovskaya, M. A.
CATALYTIC OXIDATION OF HYDROGEN SULFIDE IN THE PRESENCE OF HYDROGEN. [1961] 10p. 27 refs.
Order from OTS or SLA $1.10 61-20133

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 459-464.

DESCRIPTORS: *Hydrogen compounds, Sulfides, Oxidation, *Nickel catalysts, *Lead catalysts, Catalysts, Catalysis, *Hydrogen, Chemical reactions.

A study was carried out of the efficiency of the catalyst composed of oxides of nickel and lead and supported on kieselguhr in the oxidation of hydrogen sulfide in the mixture $H_2S + O_2 + H_2 + N_2$, as dependent upon the following factors: temperature, space veloc-
(Chemistry--Physical, TT, v. 6, no. 11) (over)

61-20133

I. Rolter, Z. A.
II. Gaukhman, S. S.
III. Tudorovskaya, M. A.

Office of Technical Services

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JOURNAL OF APPLIED CHEMISTRY, 1945, VOL. 18, NO. 9/10: [TABLE OF CONTENTS AND SELECTED ABSTRACTS]. [1961] 7p. 14 refs.
Order from OTS or SLA $1.10 60-14164

Abstract trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, no. 9/10, p. 469-473, 505-507, 518-520, 534-547, 556-570, 572-575.

DESCRIPTORS: *Chemistry, Abstracting, Metallurgy, Chemical engineering, *Activated carbon, Oxidation, Inflammable materials, Temperature, *Carborundum, *Pipettes, Automatic, Adsorption, Gases, Absorption, *Coal tar, *Peat, Density, *Acetones, Oxidation, Potassium compounds, Manganates, *Organic compounds, *Alkyl radicals, Sulfur compounds, Chlorides, Amides, *Bentonite, Clays, Chemical industry.

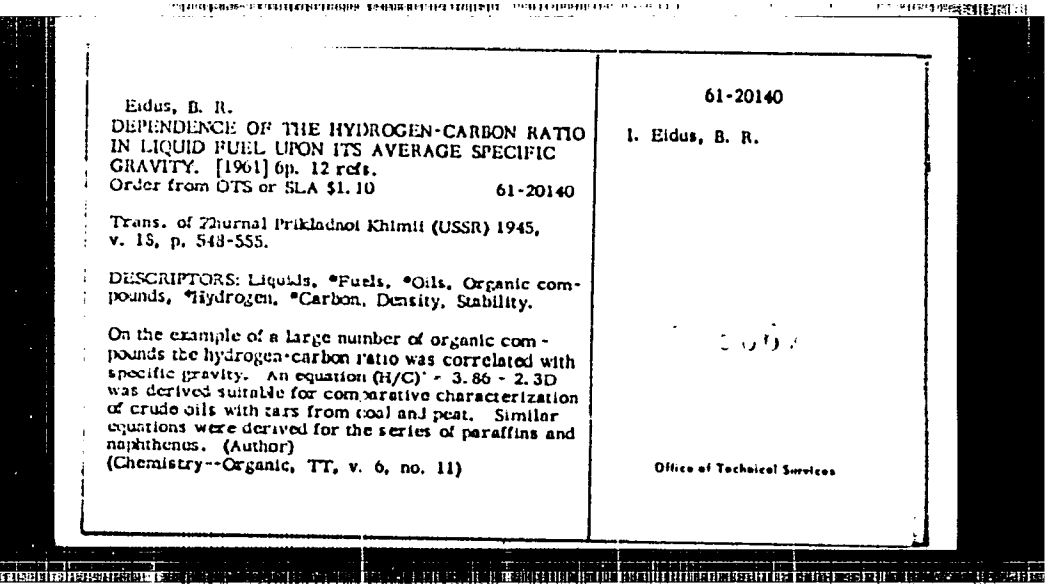
(Chemistry, TT, v. 8, no. 3) (over)

62-14164

1. Title: Suspension ultrafilters
I. Title: Alkyl...
II. Balkov, A. A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



Eidus, B. R.
DEPENDENCE OF THE HYDROGEN-CARBON RATIO IN LIQUID FUEL UPON ITS AVERAGE SPECIFIC GRAVITY. [1961] 6p. 12 refs.
Order from OTS or SLA $1.10 61-20140

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 548-555.

DESCRIPTORS: Liquids, *Fuels, *Oils, Organic compounds, *Hydrogen, *Carbon, Density, Stability.

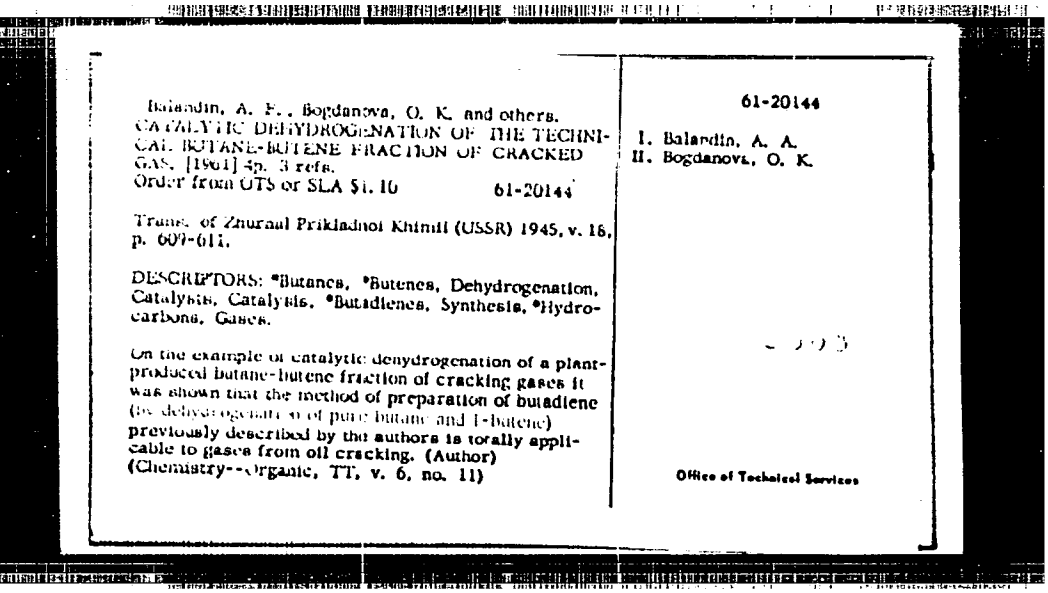
On the example of a large number of organic compounds the hydrogen-carbon ratio was correlated with specific gravity. An equation (H/C)' = 3.86 - 2.3D was derived suitable for comparative characterization of crude oils with tars from coal and peat. Similar equations were derived for the series of paraffins and naphthenus. (Author)
(Chemistry--Organic, TT, v. 6, no. 11)

61-20140

1. Eidus, B. R.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



Balandin, A. F., Bogdanova, O. K. and others.
CATALYTIC DEHYDROGENATION OF THE TECHNICAL BUTANE-BUTENE FRACTION OF CRACKED GAS. [1961] 4p. 3 refs.
Order from OTS or SLA $1.10 61-20144

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 609-611.

DESCRIPTORS: *Butanes, *Butenes, Dehydrogenation, Catalysis, Catalysts, *Butadienes, Synthesis, *Hydrocarbons, Gases.

On the example of catalytic dehydrogenation of a plant-produced butane-butene fraction of cracking gases it was shown that the method of preparation of butadiene (by dehydrogenation of pure butane and 1-butene) previously described by the authors is totally applicable to gases from oil cracking. (Author)
(Chemistry--Organic, TT, v. 6, no. 11)

61-20144

I. Balandin, A. A.
II. Bogdanova, O. K.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

The Vinylation of Coal From the Moscow Area, by M. F. Shostakovskiy.

RUSSIAN, per, Zhur Prik Khim, Vol XXIII, 1945, pp 463-467.

Sci - Engr
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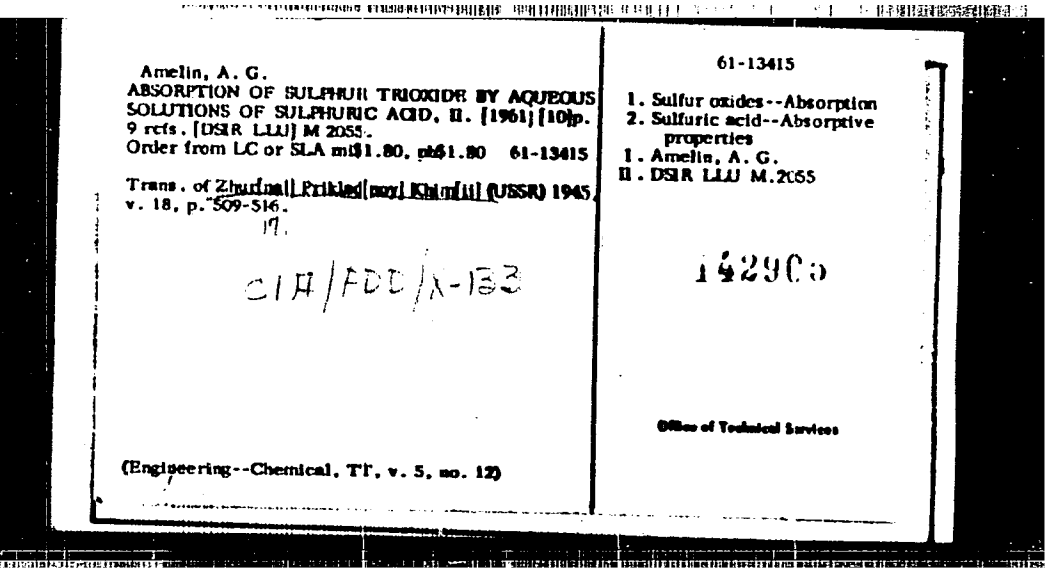
APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3



Amelin, A. G.
ABSORPTION OF SULPHUR TRIOXIDE BY AQUEOUS SOLUTIONS OF SULPHURIC ACID, II. [1961] [10]p. 9 refs. [DSIR LLU] M 2055.
Order from LC or SLA mi$1.80, pt$1.80 61-13415

Trans. of Zhurnal Prikladnoy Khimii (USSR) 1945, v. 18, p. 509-516.

17.

CIA/FDD/A-133

(Engineering--Chemical, TT, v. 5, no. 12)

61-13415

1. Sulfur oxides--Absorption
2. Sulfuric acid--Absorptive properties
I. Amelin, A. G.
II. DSIR LLU M.2055

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Office of Technical Services

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Zhur Prik Khim, XVIII, 518-20, (1945)

Suspension Ultrafilters

S. G. Mokrushin (Ural Industrial Inst)

(Wilson Dam 2443)

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Zhur Prik Khim, XVIII, 321-8, (1945)

Physicochemical Analysis of Sulfuric Acid Treatment of Phosphates V. The Solubility of Calcium Sulfate in Aqueous Solutions of Phosphoric Acid at 40°, 60° and 90° C.

A. A. Taperova and M. N. Shul'gina (Lab of Physico chem analysis of the State Inst of Fertilizers and Insecto-fungicides, NIUIF)

(Wilson Dam 2426)

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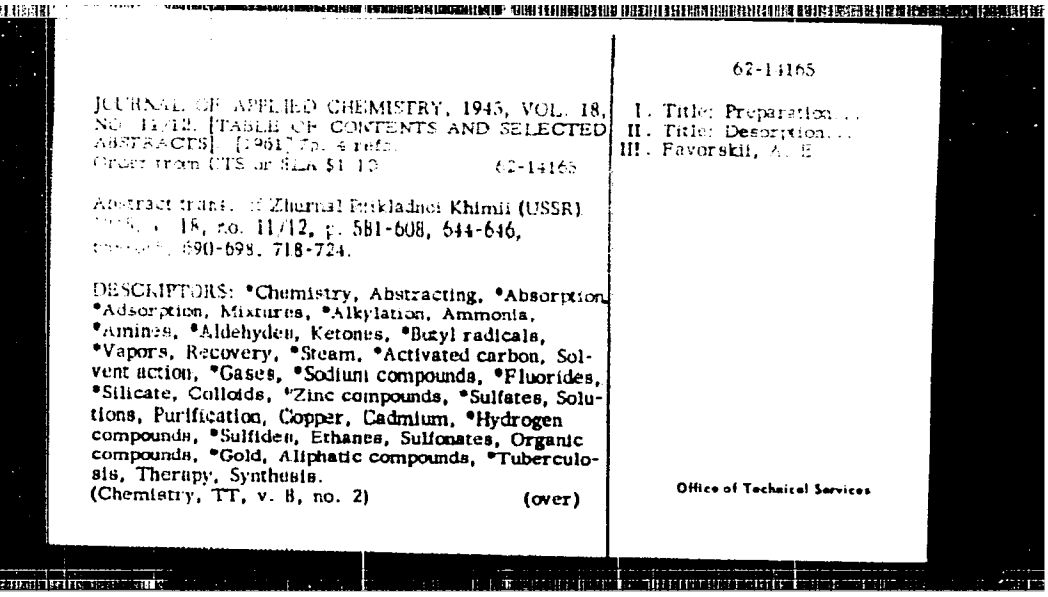

JOURNAL OF APPLIED CHEMISTRY, 1945, VOL. 18, NO. 11/12. [TABLE OF CONTENTS AND SELECTED ABSTRACTS] [1961] 7p. 4 refs.
Order from CTS or ASTA $1.10 62-14165

Abstract trans. of Zhurnal Prikladnoi Khimii (USSR) [illegible], v. 18, no. 11/12, p. 581-608, 644-646, [illegible] 690-698, 718-724.

DESCRIPTORS: *Chemistry, Abstracting, *Absorption, *Adsorption, Mixtures, *Alkylation, Ammonia, *Amines, *Aldehydes, Ketones, *Butyl radicals, *Vapors, Recovery, *Steam, *Activated carbon, Solvent action, *Gases, *Sodium compounds, *Fluorides, *Silicate, Colloids, *Zinc compounds, *Sulfates, Solutions, Purification, Copper, Cadmium, *Hydrogen compounds, *Sulfides, Ethanes, Sulfonates, Organic compounds, *Gold, Aliphatic compounds, *Tuberculosis, Therapy, Synthesis.
(Chemistry, TT, v. 8, no. 2) (over)

62-14165

I. Title: Preparation...
II. Title: Desorption...
III. Favorskii, A. E.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Investigations on the Field of Recovery of Volatile Solvents on Solid Sorbents. XI. Desorption of Solvents From Solid Sorbents With Steam. Theory of Desorption, by E. V. Alekseyevskiy, Z. S. Vanyushina.

RUSSIAN, per, Zhur Prik Khim, Vol XVIII, 1945, pp 658-665.

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Sci - Chem

207, 315

Aug 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Nikolaev, A. V., Frolova, E. V., and Shternina, E. B.
STORING OIL AND OTHER LIQUIDS IN CHEMICALLY TREATED GROUND. [1961] 4p. 3 refs.
Order from OTS or SLA $1.10 61-20145

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945, v. 18, p. 686-689.

DESCRIPTORS: *Liquids, *Oils, *Storage, Sand, Iron compounds, Hydroxides, Permeability, Tests.

The impermeability to oil products, alcohol and water of a film of ferric hydroxide on a layer of sand was tested and it was found that neither of these liquids passed through this film during a period of from 6 to 11 months. The passing of oil products through a dough-like moist mass of milk of lime was also investigated. (Author)
(Engineering--Chemical, TT, v. 8, no. 1)

61-20145

I. Nikolaev, A. V.
II. Frolova, E. V.
III. Shternina, E. B.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Rozlovskaya, S. I. and Temkin, M. I.
VAPOR PRESSURE OF MIXTURES OF VINYLIDENE CHLORIDE AND VINYL CHLORIDE. [1961] 4p. 1 ref. Order from OTS or SLA $1.10 61-20160

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1946, v. 19, p. 30-34.

DESCRIPTORS: *Vinyl chlorides, Chlorides, Mixtures, Vapor pressure, Measurement.

Vapor pressures of vinyl chloride at from 20 to 60°C. and of vinylidene chloride within 20 and 90°C were determined and satisfactory agreement was established of the data for vinyl chloride with those reported in the literature. Vapor pressures of three mixtures of vinyl chloride with vinylidene chloride were determined within the temperature interval of 20 to 80°C and it was found that the vapor pressure of these mixtures can be calculated with sufficient approximation on the basis of the law of Raoult. (Author)

61-20160

I. Rozlovskaya, S. I.
II. Temkin, M. I.

(Chemistry--Organic, TT, v. 7, no. 1)
Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Graphite-Fireclay Ladle Refractories and the Mechanism of Their Water, by P. P. Budnikov, L. A. Tseimlin.

RUSSIAN, per, Zhur Prik Khim, Vol XIX, 1946, pp 40-.

Sci - Engr

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Oct 60

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

The Reciprocal System KCL - NH_4NO_3-H20 in the Presence of Ammonia. I. Quaternary Ammonical Systems: K'/Cl, NO'3 and HN'4/Cl', NO'3,
by N. P. Aleksandrov.
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 19, No 1, 1946, pp 63-70.
SLA TT-66-10247

Sci-Chem
Aug 66 309,191

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

Rabinovich, I. B. and Osin, B. V.
ELECTROCONDUCTIVITY OF LIME DURING HYDRATION AND SETTING. 22 July 63, 9p. (figs. tables omitted) 8 refs.
Order from OTS, SLA or ETC $1.10 TT-63-18766

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1946, v. 19 [no. 1] p. 90-96.

DESCRIPTORS: *Cements, *Calcium compounds, Oxides, Hydroxides, *Hydrates, *Aging (Materials), *Hardening, *Electrochemistry, *Electrical conductance, *Electroosmosis,

A method was developed for measuring the electroconductivity at constant temperature during the highly exothermic process of hydration (and setting) of lime. A number of corresponding curves showing the changes in electroconductivity during the process was obtained. (Materials, TT, v. 11, no. 1) (over)

TT-63-18766

I. Rabinovich, I. B.
II. Osin, B. V.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3

The Preparation and Properties of Ascorbic acid. On the Lactonisation of Diacetone-2-keto-gulonic acid, by Y. M. Slobodin, A. K. Basova.

RUSSIAN, per. Zhur. Priklady Khim., Vol XIX, 1946, pp 172-175.

USSR Ref. T. 1774

Sci

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910075-3