

**Effluents in the Viscose Fibres Industry,  
by T. Rosner, E. Pindgen,**

**GERMAN, per, Franzol Chemistry, Vol XII,  
No 35, pp 570-577.**

**Chief Librarian, C.S.I.R.O.  
11A Albert Street  
East Melbourne, Australia  
C. 2, Vic.**

*115,180*

**Sci May 60**

Swinarski, A., Przekwas, G., and Rakoczy, J.  
SURF EXISTENCE OF LITHIUM SULFATE-SULFATE  
(Mg) - No. 2, II. (1) Lemiesz Jona Sarczynski  
Sarczynski (Mg) - No. 2, II. (2) Existence of  
the sulfate-sulfate (Mg) - No. 2, II. (3) Foreign  
technological data, (Mg) - No. VIII bis 427.  
Chemical data, (Mg) - No. VIII bis 427. (Mg) - No. VIII bis 427.

Chemical data, (Mg) - No. VIII bis 427. (Mg) - No. VIII bis 427.  
Chemical data, (Mg) - No. VIII bis 427. (Mg) - No. VIII bis 427.

Chemical data, (Mg) - No. VIII bis 427. (Mg) - No. VIII bis 427.  
Chemical data, (Mg) - No. VIII bis 427. (Mg) - No. VIII bis 427.

Chemical data, (Mg) - No. VIII bis 427. (Mg) - No. VIII bis 427.

II-62-28135

I. Swinarski, A.  
II. Przekwas, G.  
III. Rakoczy, J.  
IV. CNRS-VIII bis 427  
V. Centre National de la Recherche  
Scientifique, Paris

Office of Technical Services  
European Translation Centre

Cathodic Protection of Ships' Hulls, Part I.  
Measurement of Potentials  $\pm$  on Ships Docked in  
Gdansk and Gdynia Harbors. Examinations of  
Cathodic Protection  $\pm$  on Hull Model of 10 ppp  
TDW Ship, by Romuald Juchniewicz. UNCLASSIFIED

POLISH, per, Przemysl Chemiczny, Vol XIII, 1957,  
pp 26-30.

216 60-13250  
Navy 2541/DuShips 679

Section

XX - Poland

Econ

Sci - Edg

Jan 60

118,711

Potentials of Metallic Electrodes in Pure Water,  
by W. Tomassi, A. Nusselt, 12 p.

POLJEN, per, Prirodni Chemisny 1957, Vol XIII,  
No 2, pp 82-87.

SLA 99-17783

Sci  
Feb 60  
Vol 2, No 9

107,957

Cathodic Protection of Ships' Hulls. Part II.  
Examination of Potential on Hull of Ship Under-  
way, by Ronald Juchniewicz. UNCLASSIFIED

POLISH, per, Przemysl Chemiczny, Vol XIII, 1957,  
pp 273-276.

CIA 66-13231  
Navy 2542/BuShips 680

EX  
EE - Poland  
Econ  
Sci - Ingr  
Jun 60

118,713

Metnarski, B., Ecksena, Z., and Urbanek, T.  
 SOME S-ALKYL, -ALKOXYALKYL, AND ARYLMER-  
 CURY DERIVATIVES OF 2-MERCAPTOBENZOTHAZOLE.  
 (Chemia o Srodki Dzielajace Grzybobojczo.  
 I. O Powszechne Pochodne S-alkilo-, Alkoxyalkilo- i  
 Aryloalkilo- 2-Merkaptobenzotiazolu). Pt. 1 of  
 Chemicals with Fungicidal Activity. 23 Nov 58 (8p).  
 (foreign text included) 36 refs.  
 Order from SLA \$1.10

61-10298

Trans. of Przemysl Chem[iczny] (Poland) 1957,  
 v. 13(36) p. 291-293.

DESCRIPTORS: \*Alkyl radicals, \*Alkoxy radicals,  
 \*Mercury compounds, \*Thiols, Thiazoles, Phenyl  
 radicals, \*Fungicides, Sodium compounds.

Several S-alkyl, alkoxyalkyl, and arylmercury deriva-  
 tives of 2-mercaptobenzothiazole have been prepared  
 by reactions of sodium salt of 2-mercaptobenzothiazole  
 with corresponding alkyl, alkoxyalkyl, and  
 (Chemistry--Organic, TT, v. 6, no. 1) (over)

61-10298

I. Metnarski, B.  
 II. Ecksena, Z.  
 III. Urbanek, T.  
 IV. Title: Chemicals ...

161580

Office of Technical Services

Jallinski, Zdzislaw and Uminski, Tadeusz.  
 THE INFLUENCE OF TRIPHENYLMETHYL AND  
 BENZOYL PEROXIDE ON THE POLYMERIZATION  
 AND DRYING OF LINSEED AND TUNG OILS  
 (Wplyw Trojfenylometrylu i Nadtlenku Benzoylu na  
 Polimeryzacje i Schnięcie Olejow Liniowego i Tungowca)  
 tr. by Cz. Pawelec. 1963, 12p. 8 refs. PL-480 Agr.  
 Order from OTS \$0.50 61-11388

Trans. of Przemysl Chemiczny (Poland) 1967, v. 13(36)  
 no. 7, p. 401-405.

9211327

DESCRIPTORS: \*Paints, Oils, \*Vegetable oils,  
 \*Linseed oil, Polymerization, Dehydration, Desiccants,  
 Catalysts, Free radicals, \*Triphenylmethanes,  
 \*Benzoyl radicals, \*Peroxides.

A marked influence of free organic radicals on the  
 course of the drying of tung oil was confirmed using  
 (Materials--Paints, TT, v. 10, no. 1) (over)

61-11388

- I. Title: Tung oil
- I. Jallinski, Z.
- II. Uminski, T.
- III. PL-480 Agr (61-11388)
- IV. National Science  
 Foundation, Washington,  
 D. C.

Office of Technical Services

Acetone From Acrylon and Acetone. Part I, by  
K. Marczewski, J. Mioderowicz, 16 pp.  
POLISH, per, Przemysl Chemiczny, Vol XIII(40),  
No 7, 1957, pp 405-420.  
OTS 61-11340  
PL-480

Sci - Chem  
Nov 64  
Avail From LY/Serials

269,161



Studies on Zinc-Iron Alloy Catalysts in Cyclohexanol  
to Cyclohexanone Dehydrogenation Reaction. I. The Effect  
of the Method of Cooling on Structure and Catalytic  
Activity, by E. Trepcanowicz, II pp.  
POLISH, per, Przemysl Chemiczny, Vol XIII, No 8,  
1957, pp 445-449.  
OTS 01-31284  
PL-480

Sci - M/M  
Jul 64

263,068

Acetone From Acetylene and Steam. Part II:  
Synthesis of Acetone in the Presence of Tableted  
Oxide Catalyst. Experiments in the Pilot-Plant  
and the Large Laboratory Unit, by K. Marciszewska,  
H. Stagner, 13 pp.  
POLISH, per, Przemysl Chemiczny, Vol XIII(36), No 8,  
1957, pp 463-467.  
OTS 61-11340  
PL-480

Sci - Chem

Nov 64

Avail From LY/Serials

269,162

Acetone From Acetylene and Steam. Part III.  
Synthesis of Acetone in the Presence of an Oxide  
Catalyst on a Metal Carrier, by K. Marciszewska,  
H. Stegner, 15 pp.  
POLISH, per, Przemysl Chemiczny, Vol XIII(36),  
No 9, 1957, pp 532-536.  
OTS 61-11340  
PL-480

Sci - Chem  
Nov 64  
Avail From LY/Serials

269,163

(DC-1814)

Principles for Examination of Economic Effectiveness  
of Investments, Using as an Example the Sulfur Industry,  
by H. Trzaski, A. Kaufman, 28 pp. UNCLASSIFIED

POLISH, no p-r, Przemysl Chemiczny, Vol XIII, No 11,  
Warsaw, Nov 1957, pp 617-623.

US JPRS/DC-L-281

EEur - Poland  
Econ - Chemical industry, investments

63,402

Wakamondski, A. and Scarypa, J.  
THE INFLUENCE OF THE ADDITION OF HYDRO-  
CARBONS OF VARIOUS CHAIN LENGTHS ON THE  
FLOTATION OF PHOSPHORITES. [1963] 8p. (Sig-  
nature) 8 refs.  
Order from SLA \$1.10

63-16187

Trans. of Przemysl Chemiczny (Poland) 1957, v. 13[36]  
p. 721-723.

DESCRIPTORS: \*Phosphorites, \*Flotation (Separation),  
Hydrocarbons, Oleic acids, Benzene.

The influence of a series of hydrocarbons on the flo-  
tation of phosphorites was studied. The hydrocarbons  
were employed in the form of mixed collectors: oleic  
acid-hydrocarbon. The evaluation of the flotation  
ability of the mixed collectors was carried out by  
direct flotation of the phosphorites in the laboratory  
(Engineering-Chemical, TT, v. 10, no. 7) (over)

63-16187

I. Wakamondski, A.  
II. Scarypa, J.

Office of Technical Services

Teichert, A., Leszczynski, Z., and Radoniewicz, H.  
SYNTHESIS OF PHENOL AND ACETONE BY THE  
CUMENE METHOD. V. DECOMPOSITION OF CU-  
MENE HYDROPEROXIDE INTO PHENOL AND ACET-  
ONE (Syntaza Fenolu i Acetonu Metoda Kumenowa.  
V. Rozklad Wodorodochlorku Kumenowego na Fenol i Aceton).  
tr. by J. Burchart. 1963 [15]p. 16 refs. PL-480 Agr.  
Order from UTS \$0.50 61-31283

Trans. of Exptl. Chemistry (Poland) 1958, v. 14(37)  
no. 2, p. 98-102.

92/3501  
DESCRIPTORS: \*Phenols, \*Acetones, Synthesis (Chem-  
istry), \*Cumenes, \*Hydroperoxides, Decomposition,  
\*Catalysts, \*Ion exchange resins, Towers (Chemistry)

Experiments in a static system showed that among the  
cation exchange resins examined, Nofatit P was the  
strongest catalyst for the decomposition process and  
Carlonite NFA was the weakest. The rate of the decom-  
(Engineering--Chemical, TT, v. 10, no. 2) (over)

61-31283

- I. Teichert, A.
- II. Leszczynski, Z.
- III. Radoniewicz, H.
- IV. Title: Decomposition...
- V. PL-480 (61-31283)
- VI. National Science  
Foundation, Washington,  
D. C.

Office of Technical Services

BETKE

(NY-2043)

Artificial Fertilizers Production in the Long-Range  
Plan, by Michal Klesiolowski, 29 pp. (Sl. Econ Trans  
on Eder). UNCLASSIFIED

COLISH, per, Przemysl Chemiczny, Vol XXXVII, No 3,  
1958, pp 129-136.

US JPRS/NY-991

77,604

Eder - Poland

Econ - Chemical Industry, Artificial Fertilizers,  
Agriculture,

Dec 58

Pischinger, Ernest and Tomaszewski, Jerzy.  
SODIUM SESQUICARBONATE. I. PHYSICAL PROPERTIES (Seskiwęglen Soduowy. I. Własności Fizyczne). [1961] 15p. (5 figs., 4 tables).  
Order from SIA \$1.00

62-14089

Trans. of Przemysł Chemiczny (Poland) 1958, v. 111 (37) p. 340-343.

DESCRIPTORS: Sodium compounds, Carbonates, Physical properties.

(Chemistry, Inorganic, II, v. 8, no. 9)

62-14089

I. Pischinger, E.  
II. Tomaszewski, J.  
III. Title: Physical . . .

Office of Technical Services



Setee

( 04-2161 ).

Longe-Range Plan for Development of Synthetic and  
Artificial Fibers, by Stanislaw Drzewinski, Bogdan  
Czekaluk, Tadeusz B. Kozlowski, <

POLISH, per, Przemysl Chemiczny, Vol XXXVII, No 6,  
Warsaw, 1958, pp 395-401.

\*US JPRS

EEur - Poland

Econ

19/12/57

Litynski, Tadeusz, Jurtowska, Helena, and Sibora,  
Henryk.  
AMMONIUM BICARBONATE AS A FERTILIZER, tr.  
by Bertha P. Klesova. 3 Nov 59. 9p. 4 refs. [No.] 3817.  
Order from OTS or SLA \$1.10 60-19138

Trans. of Przemysl Chem[iczny] (Poland) 1958,  
v. [14]37, p. 405-411.

DESCRIPTORS: \*Ammonium radicals, \*Carbonates,  
\*Fertilizers, Production, Tests.

In the manufacture of synthetic ammonia from genera-  
tor gas and nitrogen large quantities of waste carbon  
dioxide are produced, till now hardly utilized. One of  
the possibilities of utilizing the waste carbon dioxide is  
the production of ammonium bicarbonate as a fertilizer.  
The fertilizer value of ammonium bicarbonate thus ob-  
tained equals that of other nitrogenous fertilizers, its  
nitrogen content being 17.9%. The product, as pre-  
pared from ammonia, is cheaper than the fertilizers  
(Agriculture--Plant Cultivation, TT, v. 6, no. 5) (over)

60-19138

- I. Litynski, T.
- II. Jurtowska, H.
- III. Sibora, H.
- IV. TVA-3817
- V. Tennessee Valley  
Authority, Wilson Dam,  
Ala.

160413

Office of Technical Services

7-26-61

The Sesquicarbonate of Sodium. II. The System  
 $\text{Na}_2\text{CO}_3$ - $\text{NaHCO}_3$ - $\text{H}_2\text{O}$ , by E. Fischinger, J.  
Tomaszewski.

POLISH, per, Pracey Chem, Vol XXXVII, 1958,  
pp 411-415.

ATS PJ-1685

Sci - Chem

Jul 59

90,874

62-14091

Pischinger, Ernest and Tomaszewski, Jerzy.  
SODIUM SESQUICARBONATE. III. FACTORS AFFECTING THE SIZE OF THE CRYSTALS AND THE YIELD OF CRYSTALLIZATION (Seskwiveglan Sodowy. III. Czynniki Wplywajace na Wielkosc Krysztalow i Wydajnosc Krysztalizacji). 1961 8p. (3 figs. 2 tables omitted).  
Order from SLA \$1.10

62-14091

Trans. of Polish Chemistry (Poland) 1968,  
v. 11 (45) p. 48-49.

DESCRIPTORS: \*Sodium compounds, \*Carbonates,  
\*Crystals, \*Crystallization

(See also 62-14090)

(Chemistry - Inorganic, III, v. 1, no. 5)

I. Pischinger, E.  
II. Tomaszewski, J.  
III. Title: Factors...

Office of Technical Services

62-26985

Krause, A. and Kuchowski, E.  
ETUDE DE L'ACTIVITE ET APPRECIATION D'UN  
CATALYSEUR INDUSTRIEL UTILISE A LA CONVER-  
SION DU METHANE (Badanie aktywnosci i ocen  
katalizatora przemysłowego stosowanego do konwersji  
metanu) (Activity and Evaluation of the Technical Cata-  
lyst Used in the Conversion of Methane). 23p 7 refs  
Order from OTS, ETC or CNRS \$0.89 62-26985

Trans. in French of Przemysł Chemiczny (Poland)  
1958, v. [14] (37) p. 511-515.

DESCRIPTORS: Catalysts, \*Methanes, Transformations,  
\*Nickel catalysts, \*Magnesium catalysts, Formic  
acids, \*Organic compounds, Peroxides, Measurement,  
Oxides

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

I. Krause, A.  
II. Kuchowski, E.  
III. Centre National de la  
Recherche Scientifique

Office of Technical Services

62-26098

Pik, A.  
DANGERS D'EXPLOSION DES VAPEURS INFLAMMABLES ET DES GAZ ME'LANGES A L'AIR. VI. CINÉMATIQUE DE LA COMBUSTION AUTOMATIQUE SOUS PRESSION ATMOSPHERIQUE DES ME'LANGES A DES CONCENTRATIONS PROCHES DES CONCENTRATIONS LIMITEES (Danger of Explosion of Flammable Mixtures of Vapors and Gases with Air. VI. Kinetics of Combustion Occurring Spontaneously at Atmospheric Pressure under Conditions which are Close to Limiting Concentrations) 34p 14 refs  
Order from OTS, ETC or CNRS \$1.22 62-26098

Trans. in French of Praceyrol Chemiczny (Poland)  
1958, v. [14] (37) p. 529-537.

DESCRIPTORS: Air, \*Gases, \*Vapors, \*Combustion, Chemical reactions, Inflammable materials, Theory, Reaction kinetics.  
(Chemistry--Physical, TT, v. 10, no. 10)

I. Pik, A.  
II. Centre National de la  
Recherche Scientifique

Office of Technical Services

Mizonaki, T. Jozef and Hopfinger, Alfred.  
THE CATALYTIC PROPERTIES OF THE COMPLEX  
COMPOUNDS OF ALUMINUM. [1963] 13p.  
Order from K-H \$13.00 K-H 9033

Trans. of Przemysl Chemiczny (Poland) 1958, v. [14] 17,  
p. 590-592.

DESCRIPTORS: \*Catalysts, Chemical properties,  
\*Complex compounds, \*Aluminum compounds, \*Ziegler  
catalysts.

(Chemistry--Inorganic, TT, v. 10, no. 1)

63-17273

- I. Mizonaki, T.
- II. Hopfinger, A.
- III. K-H-9033
- IV. Kresge-Hooker Science  
Library Association,  
Detroit, Mich.

Office of Technical Services

Pischinger, Ernest and Tomaszewski, Jerzy.  
 SODIUM SESQUICARBONATE. IV. PRODUCTION  
 METYKON (Seskwicarbon Soduzy. IV. Metody  
 Produkcji). [1961] 23p. (4 figs. 5 tables omitted).  
 Order from NIA \$2.60 62-14092

Trans. of Polish Chem. Soc. (Poland) 1958,  
 34(1) 1-23, p. 23, 29.

[ENGLISH] \* sodium compounds, \* Carbonates,  
 Production, \* crystallization, Manufacturing methods.

Tests of crystallization of sodium sesquicarbonate by  
 cooling the solution were conducted in the Zahn ap-  
 paratus, both on a laboratory and on a semi-industrial  
 scale. Furthermore, tests of sesquicarbonate crystal-  
 lization by evaporating the solution under reduced  
 pressure were also carried out on a laboratory scale.  
 The industrial economic factors of both of these  
 methods were compared. (Author) (See also 62-14091)  
 J. Pol. Chem. Soc. (Poland), v. 34, no. 8.

62-14092

I. Pischinger, E.  
 II. Tomaszewski, J.  
 III. Title: Production ..

Office of Technical Services



(1000-4)

Problems Connected With Phosphorite Mining in  
Poland, by Jerzy Gwynia, 17 pp, UNCLASSIFIED  
(see also Trade on 1000-4).

POLISH, per, Przemysł Chemiczny, Vol XXXVII,  
No 9, Sep 1958, pp 569-572.

US JPRS 1057-N

Editor - ~~Przemysł Chemiczny~~ Poland

Econ

Jan 59

77,974

Eckstein, Zygmont.

ON THE POSSIBLE USE OF NITROPARAFFINS FOR  
THE SYNTHESIS OF CHEMICAL PLANT-PROTECTING  
AGENTS (O Możliwościach Praktycznego Wykorzy-  
stania Nitroparafina do Syntezy Chemicznych Środków  
Ochrony Roślin). [1963] [20p] (foreign text included)

52 refs

Order from SLA \$1.60

63-20242

Trans. of Przemysł Chemiczny (Poland) 1958, v. [14]37,  
p. 630-634.

DESCRIPTORS: \*Herbicides, \*Fungicides, \*Alcohols,  
\*Nitro radicals, Synthesis (Chemistry), Molecular  
structure.

On the basis of the literature and experiments the po-  
sibility of utilizing nitroparaffins in the synthesis of  
plant and crop protection agents is discussed. A  
(Agriculture, TT, v. 10, no. 12) (over)

63-20242

1. Title: Nitroparaffins
1. Eckstein, Z.

Office of Technical Services

Chemistry of Ferromagnetic Iron Oxides,  
by Alfons Krause, 7 pp.

POLISH, per, Przegląd Chemiczny, Vol XXVIII,  
No 10, 1958, pp 637-639. 767747

SLA 68-21037  
Navy Tr 2405/ENL 767  
also FID/X-3747

Sci - Chem

Oct 59

106,351

Dumont, J. and Kaminski, B.  
**UTILISATION DES ISOTOPES RADIOACTIFS POUR LA  
REGULATION DU NIVEAU DES LIQUIDES (Applica-  
tion of Radioactive Isotopes to the Liquid Level Control).**  
15p

Order from OTS, ETC or CNRS \$0.80 62-26967

Trans. in French of Physical Chemistry (Poland)  
1958, v. 14 (57) no. 10, p. 673-676.

**DESCRIPTORS:** \*Radioactive isotopes, \*Liquid level  
control, installation.

(Nuclear Physics--Nuclear Engineering, TT, v. 10,  
no. 10)

62-26967

I. Dumont, J.  
B. Kaminski, B.  
III. Centre National de la  
Recherche Scientifique

Office of Technical Services

Pavlikovski, E. and Matron, S.  
**PRÉPARATION INDUSTRIELLE DES SOLUTIONS  
AQUEUSES DE NITRITE D'AMMONIUM ET LA  
SÉCURITÉ DE LA PRODUCTION** (Manufacture of  
Aqueous Solutions of Ammonium Nitrite and its  
Production Security). 15p 16 refs  
Order from OTS, ETC or CNRS \$0.80 62-26974

Trans. in French of Practical Chemistry (Poland)  
1958, v. (14) (37) no. 12, p. 774-777.

**DESCRIPTORS:** \*Ammonium compounds \*Nitrites,  
Solutions, Decomposition, Hydrogen ion concentration,  
Production, Instillation, Carbonates, Nitrogen com-  
pounds, Oxides, \*Explosions.

(Engineering - Chemical), IT, v. 12, p. 774-777

62-26974

I. Pavlikovski, E.  
II. Matron, S.  
III. Centre National de la  
Recherche Scientifique

Office of Technology Services

SRPME

(NY-2594)

Goals of the Polish Chemical Industry in 1959-  
1965, by Antoni Radlinski, 35 pp.

POLISH, pol., Przemysl Chemiczny, Vol XVIII, No 1,  
1959, Warsaw, 72 p.

JPRS-1755-2

NEur - Poland

Econ - Chemical Industry

Jul 59

91,124

62-26946

Justat, A., Jania, K., and Gorzka, Z.  
CATALYSEUR Fe-Cr À L'ÉTAT FLUIDIFIÉ POUR LA  
CONVERSION DE L'OXYDE DE CARBONE AVEC LA  
VAPEUR D'EAU. Ière PARTIE (The Iron-Chromium  
Catalyst in a Fluidized Bed for the Conversion of  
Carbon Monoxide with Water Vapor). 17p 3 refs  
Order from OTS, ETC or CNRS 90.80 62-26946

Trans. in French of Przemysl Chemiczny (Poland)  
1939, v. [15] (34) p. 39-44, 2222.

DESCRIPTORS: \*Iron catalysts, \*Chromium catalysts,  
Carbon compounds, Monoxides, Water vapor,  
\*Fluidized solids.

(Chemistry--Inorganic, TT, v. 10, no. 10)

- I. Justat, A.
- II. Jania, K.
- III. Gorzka, Z.
- IV. Centre National de la  
Recherche Scientifique

Office of Technical Services

V

Adsorption of Helium, Neon and Hydrogen by  
Silica Gel and Aluminum Oxide at the Temperature  
of Liquid Nitrogen and at High Pressures, by A.  
Gzylinski, B. Zieliński, 671.

POLISH, per, Prace Chemiczne, Vol XXXVIII,  
Kraków, 1959, pp 87, 88.

Dept of Interior  
TW7, 247, No 308  
CT: TT-60-14100

118,820

Sci - Chem

Jun 60

CT: TT-60-161111CH  
CT: TT-60-26542



Juste, A., Juste, K., and Garsin, Z.  
CATALYSEUR Fe-Cr A L'ETAT FLUIDIFIE POUR LA  
CONVERSION DE L'OXYDE DE CARBONE AVEC LA  
VAPEUR D'EAU. Same partie (Iron-Chromium  
Catalyst in a Fluidized Bed for Conversion of Carbon  
Monoxide with Water Vapor). 17p 1 ref  
Order from DTIC, ETC or CAS \$0.50 63-26043

Trans. in French of French Chemistry (Poland)  
1959, v. [15] (34) p. 95-97.

DESCRIPTORS: Iron catalysts, Chromium catalysts,  
Carbon compounds, Monoxides, Dioxides, Hydrogen,  
Water vapor, Fluidized solids.

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

63-26043

I. Juste, A.  
II. Juste, K.  
III. Garsin, Z.  
IV. Centre National de la  
Recherche Scientifique

Office of Technical Services

SETRE

(NY-2682).

The Problems of Technical Progress in the Chemical Industry, by Mieczyslaw Grochowski, Tadeusz Karpinski, Tadeusz B. Koslowski, Wladyslaw Mierzynski, Halina Rucinska, Andrzej Sivic, Henryk Stepniak, Ryszard Tokarski, 18 pp.

POLISH, per, Przegląd Chemiczny, Vol XXVIII, No 3, 1959, Warsaw, pp 129-133.

JPRS-1849-M N

ESur - Poland  
Econ - Chemical Industry  
Aug 59

93,438

SETTE

(NY-2682).

Proper Development of the Phosphorous Fertilizers  
Industry in Poland, by Jerzy Gdynia, 18 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXVIII,  
No 3, 1959, Warsaw, pp 133-137.

JPRS-1859-W

Eur - Poland  
Econ - Chemical Industry  
Aug 59

93,439

Characteristics and Evaluation of Strongly Alkaline  
Anion Exchangers I. Investigation Methods of Exchange  
Capacity and Polyfunctionality, by Zofia Błaszowska,  
Rajmund Dybczynski, 25 pp.  
POLISH, per, Przemysł Chemiczny, Vol XXXVIII, No 3,  
1959, pp 168-173.  
OTS 61-11573  
PL-480

Sci - Chem  
Mar 64

253,019

(NY-2765).

X

Economic Results of the Experimental Organization  
of the Oswiecim Chemical Plants in 1957 and  
1958, by Andrzej Donimirski, 17 pp.

POLISH, per, Przemysl Chemiczny, Vol XXVIII,  
No 4, 1959, pp 193-197.

JPRS-1829-W

EUR - Poland  
Chemical Industry  
Aug 59

93, 440

Characteristic and Evaluation of Strongly Alkaline  
Anion Exchangers. II. Investigation of Thermostability  
by Rajmund Dybowski, 10 pp.

POLISH, per, Practical Chemistry, Vol. ~~XXVIII~~, No 4,  
1979, pp 216-220. 9206375

PL-480  
OTS 61-11378

Sci - Chem

Jun 63

234,984

New Methods of Obtaining Potassium, Sodium  
Nitrate and Ammonium Chloride by the Conversion  
Method, by L. Matuszewska. 12p.  
POLISH, per, Przemysl Chemiczny, Vol 38, No 6,  
1959, pp 329-331.  
SLA TT-66-10274

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Aug 66

308,471

(NY-307).

*Lot*  
Production and Assembly of Apparatus in the  
Association of the Inorganic Industry, by Karol  
Palys,

XXX VIII  
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1959, pp 344-346.

\*JPRS

ESur - Poland

Econ - Manufacture, Chem Plant

Sep 59



An Investigation of the Continuous Process of  
Sublimative Condensation on Rotary Cylinders, by  
J. Giborowski, B. Stepiewski.

FOLDER, per, Przemysl Chemiczny, Vol XXVIII,  
1979, pp 358-362.

AKS-19577  
189,559

Sci  
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(NY-3010).

Problems of Technical Progress in the Chemical  
Industry in the 1959-1965 Period, by Antoni  
Radlinski, 22 pp.

POLISH, per, Przeglad Chemiczny, Vol XXXVIII, No 7,  
Warsaw, 1959, pp 397-402.

JPRS-2085-N

ENR - Poland  
Econ - Chem Industry  
Dec 59

104,390

SETES

(NY-3281).

Factors Hinderling Technical Progress in the Polish  
Chemical Industry, by Konstanty Laidler, 23 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXVIII, No 9,  
Warsaw, 1950, pp 525-531.

JPRS-2171-N

ESur - Poland  
Econ - Chemical Industry  
Feb 60

107,268

Wirpsa, Zygmunt.  
FOAM- UREA PLASTICS (Acetamide Terephthalate)  
Pamphlet. [20p] (foreign cost included) 13rub  
Order from S.A. \$2.60 TT-64-16536

Trans. of Physical Chemistry (Poland) 1959, v. [15]  
24, p. 399-428.

(Materials--Plastics, TT, v. 12, no. 4)

TT-64-16536

L. Wirpsa, Z.

Office of Technical Services

Data on the [Polish] Chemical Industry, by Michał  
Kiesiolowski,

POLISH, per, Przemysł Chemiczny, Vol XXVIII, No 11,  
1959, pp 679-682.

YED Sum 2512

EMur - Poland

Woon - Chemical industry

Mar 60

111,263

(NY-5270)

Shortcomings in Polish Chemical Industry, by  
Konstanty Laidler, 11 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXVIII,  
No 9, 1960, pp 525-531.  
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JPRS 7228

EBur - Poland  
Econ  
Dec 60

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An Investigation of the Oxidation of Sulphur  
Dioxide Dissolved in Various Solvents, by A.  
Swinarski, E. Danilewicz.

POLISH, per, Prace Chemiczne, Vol XXXIX, No 2,  
1960, pp 87-90.

NLL M. 3122

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Sci - Chem

Apr 62

**Important Problems of Organic Chemical Industry,  
by Janusz Walewski.**

**POLISH, per, Przemysl Chemiczny, Vol XXXIX, No 3,  
1960, pp 125-129.**

**FDD Sum 2641**

**EDur-Poland**

**Econ-Chem Indus**

**Jul 60**



Problems Connected With the Large-Scale  
Manufacture of Urea.

GERMAN, per, Przemysl Chem, Vol XXXIX, No 3, 1960,  
pp 133-137.

Possibly to Come From Contacts  
per 10 Dec 1962 memo  
USIB INTERNAL USE ONLY

Sci - E Chem

Dec 62

(NY-4632)

New Chemical Production, by W. Brach, 5 pp.

POLISH, per, Prace Chemiczne, Vol XXXIX,  
No 3, 1960, pp 182, 183.

JPRS 7391

Kur - Poland

Econ

Jan 61

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(NY-576141)

Problems of the Chemical Industry Plan for 1960,  
by Mieczyslaw Haber, 17 pp.

POLISH, per, Przegląd Chemiczny, Vol XXXIX,  
No 4, 1960, pp 189-191.

JPRS 7948

EDur - Poland

Ecce

Apr XX 61

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(NY-5761/2)

The Role and Share of the Chemical Industry in Our  
Foreign Trade, by Tadeusz Chocimski, 20 pp.

*POLISH*  
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1960, pp 192-195.

*JUNE 1968*

EDur - Poland

Econ

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*147,462*

(NY-4815).

The Trends of Development of Research and  
Application of Chemical Plant Protection Agents  
in China, by Z. Eckstein, 17 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXIX, No 4,  
1960, pp 205-210.

JPRS 5796

~~Reference~~

FE - China

Sci - Chem

4 Nov 60

131,491

Studies on Benzene Hydrogenation to Cyclohexane,  
by Stanislaw Gaborowski, 8 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXIX, No 4,  
1960, pp 228-231. 9208373

FL-480  
ONS 61-11376

Sci - Chem

Jun 63

234,983

(NY-4633)

Chemical Industry Development in 1961-1965, by  
Michal Miesiolowski, 19 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXIX, No 5,  
1960, pp 261-265.

JPRS 7249

EUR - Poland

Econ

Dec 60

135,688

(NY-4775)

Quality Control in the Chemical Industry, by  
Jan Wasilewski, 10 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXIX, No 6  
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JPRS 7422

KUR - Poland

Koon

Jan 61

136,971



(NY-5291)

Progress in Chemical Research, by J. Hirszcwaki,  
15 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXIX, No 7,  
1960, pp 410-414.

JPRS 73:8

EEur - Poland  
Econ  
Jan 61

136,025

70-13162-07D

Tomczak, W.; Jankowska, H.

INVESTIGATIONS ON THE PROPERTIES OF A POWDER  
ELECTRODE IN THE SYSTEM  $\text{Cl}_2\text{-Cl}^+\text{-H}_2\text{O}$  Przemysl

Chemistry, v. 37, n. 8, p. 634-602, 1968

Order from NTC as 70-13162-07D: INC \$ 9.40, MP \$ 1.00

Investigation of the Polymerization of  
Gaseous Formaldehyde to High-molecular-  
weight Products, by M. Tomaszewicz.

POLISH, per, Prace Chem. Vol XLIX,  
No 8, 1960, pp 509-513.

ATS PJ-3863

Sci-Chem  
Dec 63

244, 917

(SF-1260)

Biographies of Polish NA Chemists, 5 pp.

POLISH, per, Przemysl Chemiczny, No 6, 1960,  
pp 519, 520.

JPRS 4285

Wtut - Polan:

Biog

Jan 61

137,572

(DC-5002)

The Masovian Refinery and Petro-Chemical Plant  
in Plock, by Kazimierz Kuchlik, 4 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXIX, No 10,  
1960, pp 597, 598.

JPRS 6973

EEur - Poland

Recon

144,788

Mr 61

Rectification of Sulfonation Phenol in Industry,  
by J. Majewski.

POLISH, per, Przemysl Chemiczny, Vol XXXIX, No 10,  
1960, pp 599-603.

ATB-03W5P

Sci

Mar 62

Vol VII, No 2

189,554

Wolay, A. and Charnon, T.  
DRYING OF POLYETHYLENE BY THE FLUIDIZED  
BED TECHNIQUE. [1961] 8p.  
Order from ATS 812, 23

ATS-SINGOP

Trans. of Proceyst Chem[istry] (Poland) 1960  
[v. 16] (9) no. 10, p. 629-631.

DESCRIPTORS: \*Ethylene, \*Polymers, Dehydration,  
\*Fluidized solids.

PS-3207

(Engineering--Chemical, TT, v. 6, no. 1)

61-22371

I. Wolay, A.  
E. Charnon, T.  
DE. ATS-SINGOP  
IV. Associated Technical  
Services, Inc.,  
East Orange, N. J.

161864

Office of Technical Services

(DC-5213)

The Present State of Measurement Technology  
and the Starting Base for Automation of the  
Chemical Industry, by Jakub Tomaszewicz, 5 pp.

POLISH, per, ~~Research Chemistry~~, Vol XXXIX,  
No 11, 1960, pp 653-655.

JPRS 8521

EUR - Poland  
Econ

157,101



(DC-5213)

Efforts of the Chemical Industry Toward Introducing Automation, by Witold Puts, 6 pp.

POLISH, par, Przemysl Chemiczny, Vol XXXIX, No 11, 1960, pp 655-657.

5  
JPRS 8821

KEur - Poland  
Kcom  
Jul 61

NY, 802

(DC-5213)

Requirements of the Chemical Industry for  
Measuring Instruments and Automation Parts, and  
Sources for Obtaining Them, by Kazimierz Edelman,  
12 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXIX,  
No 11, 1960, pp 657-661.

JPRS 8521

KRur - Poland  
ECOS  
Jul 61

159,804

(DC-1213)

Research in Measurement and Automation by the  
Institute of Inorganic Chemistry, by Henryk  
Zarebski, 5 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXIX,  
No 11, 1960, pp 672-674.

JPRS 8521

159,803

KBr - Poland

Econ

Jul 61

SETER

( DC 5213 )

1960 Investment Plans and Results,

POLISH, per, Przemysl Chemiczny, Vol XXXIX, No 11,  
1960, pp 100, 101.

6 JPRS

EE - Poland

ECOR

26 Jan 61

SECRET

(R-5213)

Chemical Industry Cooperation With Research Groups  
on Automation,

POLISH. per. Przemysl Chemiczny, Vol XXXIX. No 11,  
1960. pp 701.

\*JPRS

22 - Poland

Reon

24 Jan 61

(DC-5213)

Design and Production of Measuring Instruments  
and Automation Parts in the Chemical Industry,  
by Kazimierz Edelman, 7 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXIX,  
No 11, 1960, pp 701-704.

JPRS 8521

MEMO - Poland  
Econ  
Jul 61

159,805-

(DC-5213)

Problems of Automation in the Synthetic Fiber  
Industry, by B. Bitner, 5 pp.

POLISH, per, Przemysl Chemiczny, Vol XXXIX,  
No 11, 1960, pp 704-705.

JPRS 9521

KEur - Poland  
Econ  
Jul 61

159,524

Chodkiewicz, Ryszard.  
FACTORS AFFECTING THE DEGREE OF GRANU-  
LAR MATERIALS. Oct 61, 6p. 9 refs.  
Order from ICE in v. 1, no. 1, \$15.00/year

Trans. c' Przem[ysl] Chem[iczny] (Czechoslovakia)  
1961, v. [17] (40), p. 48-51.

DESCRIPTORS: Grains (Metallurgy), Mixtures,  
Statistical analysis.

(Engineering--Chemical, TT, v. 8, no. 8)

62-22209

1. Chodkiewicz, R.
2. International Chemical  
Engineering, New York

Office of Technical Service



63-14113

Wastlewski, Lidzba, Szwed, S., and Gosc, W.  
 MERCURY LOSSES IN MERCURY ELECTROLYSIS OF  
 SODIUM CHLORIDE. ANALYSIS OF INDUSTRIAL  
 LOSSES OF MERCURY. 1963. 10p. 2 refs.  
 Order from SLA \$1.10      63-14113

Trans. of Polish Chemistry (Poland) 1961, v. 17, no. 4, p. 207-208.

DESCRIPTORS: Mercury. \*Electrolysis. Sodium compounds. Chlorides. Solvent action. Electrochemistry.

Losses of mercury occur both during the electrolysis process and when the current is turned off. The main losses of mercury occur in salt slimes and in brine drawn off during circulation. These salt slimes and brine contain both dissolved and undissolved mercury. The amounts of mercury include various concentrations of mercury in the brine, accumulating in the tank and left behind in the salt slimes. (Chemistry--Physical, TT, v. 10, no. 5)      (over)

I. Wastlewski, L.  
 II. Szwed, S.  
 III. Gosc, W.  
 IV. Title: Analytical...

Office of Technical Services

NCH-202 (4)

Field 71

Augustyn, W., Prysocki, M., Gachowicz, A.,  
Janczyk, K.

STUDIES ON THE THERMAL DECOMPOSITION OF  
ALUMINUM FLUORIDE IN AQUEOUS SOLUTION  
1965, Rp. ATN-015071.

Order from AFS: \$12.05 on ATN-015071.

Trans. of the Royal Society of Chemistry, London, 1965, 61, 1041.

I. Associated Technical  
Services, Inc.,  
East Orange, N. J.

Kryszelova, W., Kacharski, J. and others.  
TENTATIVES POUR RENDRE INOFFENSIVES LES  
EAUX USEES DE LA PRODUCTION D'ALBOMYCINE  
(Purification of Sewage from Aureomycin Manufacture).  
Sp. FX-1134.

Order from OTS, ETC or CNRS 90. 80 62-26449

Trans. in French of *Journal Chimique (Poland)*  
1964, v. 117(40) p. 341-344.

DESCRIPTORS: \*Aureomycin, Production, Sewage,  
\*Antibiotics, Water, \*Contamination, Aerobiology.

(Engineering--Sanitation, TT, v. 10, no. 7)

62-26449

- I. Kryszelova, W.
- II. Kacharski, J.
- III. FX-1134
- IV. Centre National de la  
Recherche Scientifique  
(France)

Office of Technical Services

Wastkowski, L., Gosc, W., and Swatoh, S.  
 MERCURY LOSSES IN MERCURY ELECTROLYSIS OF  
 SODIUM CHLORIDE. III-IV. INFLUENCE OF  
 CURRENT CUT-OFF IN INDUSTRIAL ELECTRO-  
 LYZERS ON LOSSES OF MERCURY IN THE ELEC-  
 TROLYTIC PRODUCTION OF CHLORINE. [1963]  
 10p. (figs. omitted) 5 refs  
 Order from SIA \$1.10

63-14114

Trans. of Przemysl Chemiczny (Poland) 1961, v. [17](40)  
 no. 7, p. 375-379.

DESCRIPTORS: "Mercury, "Electrolysis, Sodium com-  
 pounds, Chlorides, Electric currents, Chlorine,  
 Electrochemistry, Solvent action.

Cutting off electrolyser current in quarter-industrial  
 scale (pilot) units causes a migration of mercury from  
 the unpolarized cathode to the brine. Maximum mercury  
 content dissolved in brine during cut-off was 170 mg  
 (Chemistry--Physical, TT, v. 10, no. 5) (over)

63-14114

I. Wastkowski, L.  
 II. Gosc, W.  
 III. Swatoh, S.  
 IV. Title: Influence...

Office of Technical Services

Habber, T.  
**CORRELATION OF EQUATIONS FOR LIQUID-PHASE  
MASS-TRANSFER COEFFICIENTS WITH WETTED  
PACKING.** Jan 62, 3p. 5 refs.  
Order from ICE in v. 2, no. 1, \$12.00/year

Trans. of Priemysl Chemicky (Czechoslovakia) 1961,  
v. [17][42] no. 7, p. 3962.

**DESCRIPTORS:** \*Mass transfer, Liquids, \*Scale,  
Equations, Correlation techniques, \*Chemical  
engineering.

(Engineering--Chemical, TT, v. 8, no. 10)

62-34309

I. Habber, T.  
II. International Chemical  
Engineering, New York

Office of Technical Services

Ciborowski, J. and Wronski, S.  
CONTINUOUS CONDENSATION OF SUBLIMABLE  
MATERIALS IN A FLUIDIZED BED Jan 62, 4p.  
6 refs.

Order from ICE in v. 2, no. 1, \$15.00/year

Trans. of Przemysl Chemiczny (Czechoslovakia) 1961,  
v. [17] (40), no. 8, p. 4337.

DESCRIPTORS. \*Heat exchangers. Thin films. Heat  
transfer. Mass transfer. Condensation. Sublimation.  
\*Fluidized solids. \*Chemical engineering.

(Engineering-Chemical, TT, v. 8, no. 10)

62-34302

I. Ciborowski, J.  
II. Wronski, S.  
III. International Chemical  
Engineering, New York

Office of Technical Services

Role of Design Offices in Reducing Construction  
Time and Costs in Chemical Industry, by  
Stanislaw Taban,

POLISH, *Przemysl Chemiczny*, Vol LX,  
No 2, 1961, pp 65-70.

DD Form 3056

EUR - Poland  
ECON - Chemical  
Jun 61

156,424

On Possibilities of Increasing the Heat of  
Hydrocarbon Fuel Combustion, by Bogdan Wialicki,  
16 pp.

POLISH, per, Przemysl Chemiczny, Vol XL,  
No 5, 1961, pp 840-844. 987385

FED-ET-61-385

Col - Chem

188,285

19 Mar 62



(SF-1855)

Problems of the Chemical Industry Foreign  
Trade, by James Walowski, 7 pp.

POLISH, per, Przemysl Chemiczny, Vol II,  
No 8, 1961, pp 417-419.

JPRS 12830

Har - Poland  
Econ  
Mar 3 62

188,586

(SP-1855)

Chemists at the Fourth Convention of Polish Technicians,  
5 pp.

POLISH, per, Przemysl Chemiczny, No 40, Mar 1961,  
pp 127-129.

JPBS 12118

KBr - Poland

Econ

184, 912

Feb 62

Increasing the Heat of Combustion of  
Hydrocarbon Fuels, by Bogdan Wislicki, 1961

POLISH, per, Przemysl Chemiczny, Vol XL,  
No 5, 1961, pp 240-244.

\*FTD-TT-61-386

Sci - Chem

13 Dec 61

(SF-1855)

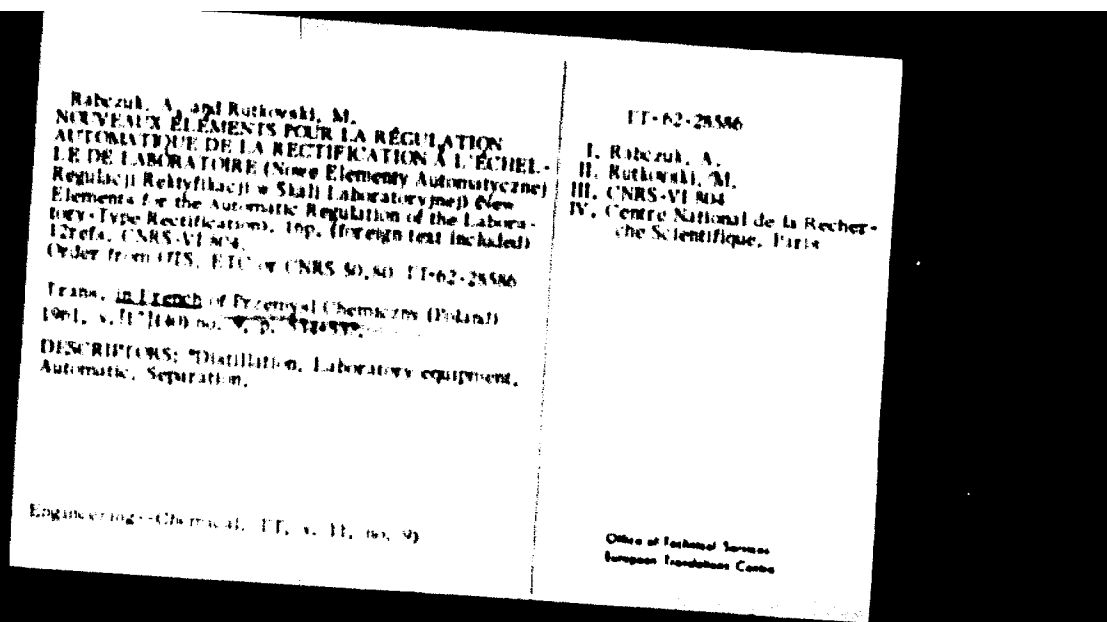
THE TECHNICAL STATE OF DOMESTIC PRODUCTION OF  
PLANT PESTICIDES, BY TADEUSZ KRASUSKI,  
JERZY PECZAK, 20 PP.

POLISH, PER, PRZEMYSŁ CHEMICZNY, NO 9,  
1961, PP 485-488, ~~NO 10, 1961, PP 545-548.~~

JPRS 12425

EEUR - POLAND  
ECON .  
MAR 62

183,154



Medicinal Preparations of Derivatives of Furfural.  
IV. Synthesis of 5-Morpholinomethyl-3-(5-Nitro-  
furfurylidene-Amino)-2-Oxazolidone, by A. Swirak,  
6 pp.

RE:

POLISH, per, Przemysl Chem, Vol XL, No 10, 1961,  
pp 500-501.

CIA/FDD XX-1454  
No Foreign Dissem

Sci - Physics  
Oct 63  
USIB Internal Use Only

(SF-1055)

THE GREAT GOALS OF CHEMISTRY, BY JERZY  
GYDZIA, 1 PP.

POLISH, PE, R PRZEMYSŁ CHEMICZNY, VOL XL,  
NO 11, 1961, PP 611-613.

JPRS 14367

EEUR - POLAND SCI CHEM

202,376

ECOL

(SF-1055)

PROSPECTS OF THE BULGARIAN CHEMICAL INDUSTRY,  
BY ALEKSI KUZMAKOW, 8 PP.

BULGARIAN, PER, PRZEMYSŁ CHEMICZNY, VOL XL,  
NO 11, 1961, PP 613-615.

JPRS 14367

EEUR - BULGARIA

ECON.

JUL 62

202,374



(SF-1855)

ADVANCES IN THE SYNTHETIC RUBBER PRODUCTION  
OF CZECHOSLOVAKIA, BY RUDOLF EVANZIL, 6 PP.

POLISH,, PER, PRZEMYSŁ CHEMICZNY, NO 11, 1961,  
PP 610, 611.

JPRS 14367

EEUR - CZECHOSLOVAKIA

ECON

JUL 62

202,375

(SF-1055)

DIFFICULTIES OF AUTOMATION IN THE CHEMISTRY  
INDUSTRY, BY E. F. HELLER, 10 PP.

POLISH, PER, PRZEMISL CHEMICZNY, VOL XL,  
NO 11, 1961, PP 521-524.

JPRS 14367

EEUR - POLAND  
CFOH  
JUL 62

042,377

Ciborowski, J. and Surgiewicz, J.  
DESUBLIMATION OF HOT PHTHALIC ANHYDRIDE  
VAPORS BY DIRECT COOLING WITH INERT COLD  
GASES. Apr 62, 7p. 8 refs.

Order from ICE in v. 2, no. 2, \$15.00/year

Trans. of Przemysl Chemiczny (Poland) 1961, v. [17]  
(40), no. 11, p. 546ff

DESCRIPTORS: \*Chemical engineering, \*Phthalates,  
Anhydrides, Vapors, Sublimation, Cooling, Gases,  
Condensation.

(Engineering--Chemical, IT, v. 8, no. 11)

62-34342

- I. Ciborowski, J.
- II. Surgiewicz, J.
- III. International Chemical  
Engineering, New York

Office of Technical Services

Grazlewski, L., Krawczyk, N., and Telchert, A.  
THE DETERMINATION OF THE SPECIFIC SURFACE  
AREA OF CATALYSTS AND CATALYST CARRIERS  
BY ADSORPTION FROM SOLUTIONS. [1962] 8p.  
Order from ATS \$12.75      ATS-46P6SP

Trans. of Faraday Chem[istry] (Poland) 1961 (v. 17)  
(40) no. 12, p. 664-667.

DESCRIPTORS: Solutions, Adsorption, Catalysts,  
Surface area, Determination.

(Chemistry-Physical, TT, v. 9, no. 8)

63-12624

- I. Grazlewski, L.
- II. Krawczyk, N.
- III. Telchert, A.
- IV. ATS-46P6SP
- V. Associated Technical  
Services, Inc., East  
Orange, N. J.

ATS 71-1920

6/70

Office of Technical Services

significant research in Petrochemistry.

FOLJH, per, Przemysl Chemiczny, No 1, 1962,  
p 13.

YDD Sam 3666

Ekur - Poland  
Econ  
Jun 62

200,945

Condenser Applied To Rectification of Air,  
by S. Pawlikowski.  
EUROPEAN, per, Przemysl Chemiczny, Vol 41,  
No 1, 1962, pp 27-30.  
NTC-71-11734-07A

*File in 12-1003-1012-96-10734*

Feb 72