

Swinarski, A., Przelwas, Cz., and Rakoczy, J.
SUR L'EXISTENCE DE L'ION SULFITE-SULFATE
(SO₄, SO₂)²⁻, II - (O Istmieniu Jonu Siarczyno-
Siarczynowego (SO₄, SO₂)²⁻, CZ, II) (Existence of
the Sulfite-Sulfate Ion - (SO₄, SO₂)²⁻), 9p. (foreign
text included), Brefs, CNRS-VIII bis 427.
Order form: ODS, ETC or CNRS 50,80 - TT-62-28135

Trans. in French of Przemysl Chemiczny (Poland)
1956, v. 12(35) no. 12, p. 673-674.

DESCRIPTORS: Sulfur compounds, Dioxides, Sulfuric
acid, Solutions, *Ions, *Sulfates, *Sulfites, Complex
compounds.

(Chemistry--Inorganic, TT, v. 11, no. 7)

TT-62-28135

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

Office of Technical Services
European Translations Centre

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

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

SLD 60-112
Navy 2541/DaShips 679

~~Subject~~
EE - Poland
Econ
Sci - Engr
Jun 60

118,711

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

POLISH, per, Przemysl Chemiczny 1957, Vol XIII,
No 2, pp 82-87.

SLA 59-17783

Sci
Feb 60
Vol 2, No 9

107,057

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

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

IA 66-13231
Navy 2542/BuShips 680

SR
RR - Poland
Ecom
Sci - Engr
Jun 60

118,713

61-10298

Hetnarski, B., Eckstein, Z., and Urbanski, T.
SOME S-ALKYL-, -ALKOXYALKYL-, AND ARYLME-
RURY DERIVATIVES OF 2-MERCAPTOBENZOTHIA-
ZOLE. (Chemiczne Srodki Działające Grzybobójczo.
I. O Pewnych Pochodnych S-alkilo-, Alkoksyalilo- i
-Aryloteciowych 2-Merkaptobenzotiazolu). Pt. 1 of
Chemicals with Fungicidal Activity. 23 Nov 58 [8]p.
(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)

I. Hetnarski, B.
II. Eckstein, Z.
III. Urbanski, T.
IV. Title: Chemicals ...

161583

Office of Technical Services

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

Trans. of Przemysl Chemiczny (Poland) 1957, v. 13(36)
no. 7, p. 401-405.

92113.77

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. Jedlinski, Z.
- II. Uminski, T.
- III. PL-480 Agr (61-11388)
- IV. National Science
Foundation, Washington,
D. C.

Office of Technical Services

Acetone From Acetylene and Steam. Part I, by
K. Marczevska, J. Musierowicz, 16 pp.
POLISH, per, Przemysl Chemiczny, Vol XIII(40),
No 7, 1957, pp 405-410.
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. Treszczanowicz, 11 pp.
POLISH ver. Przemysl Chemiczny, Vol VIII, No 8

Przemysł, pr., Przemysł 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. Marczevska,
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 per, 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

63-16187

Waksmundzki, A. and Szczypa, J.
THE INFLUENCE OF THE ADDITION OF HYDRO-
CARBONS OF VARIOUS CHAIN LENGTHS ON THE
FLOTATION OF PHOSPHORITES. [1963] 8p. (figs.
omitted) 8 refs.
Order from SLA \$1.10 63-16187

I. Waksmundzki, A.
II. Szczypa, J.

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

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

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)

Office of Technical Services

61-31283

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 ACE-
 TONE (Synteza Fenolu i Acetonu Metoda Kumenowa,
 V. Rozklad Wodoroadtlenku Kumenu na Fenol i Aceton)
 tr. by J. Burchart. 1963 [15]p. 16 refs. PL-480 Agr.
 Order from OTS \$0.50 61-31283

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

9213501
 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, Wofatit P was the
 strongest catalyst for the decomposition process and
 Cationite SFA was the weakest. The rate of the decom-
 (Engineering--Chemical, TT, v. 10, no. 2) (over)

- 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

BETTER

(NY-2048)

Artificial Fertilizers Production in the Long-Range
Plan, by Michal Wlosiolowski, 29 pp. (SI Econ Trans
on EDar). UNCLASSIFIED

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

US JPRS/NY-991

77,604

EEur - Poland

Econ - Chemical Industry, Artificial Fertilizers,
Agriculture,

Dec 58

62 1498

Fischer, Ernest and Tomaszewski, Jerzy.
SODIUM SESQUICARBONATE. I. PHYSICAL PROPERTIES
Gęskwiceglin Sodywy. I. Własności fizyczne.
[1961] 15p. (5 figs., 4 tables).
Order from SI 5 \$1.60

1. Fischer, E.
2. Tomaszewski, J.
3. Title of work in English.

Trans. of Przemysl Chemiczny (Poland) 1958, v. 34
(57) p. 340-343.

DESCRIPTORS: *Sodium compounds, *Carbonates,
Physical properties.

(Chemistry-Inorganic, TT, v. 8, no. 3)

Office of Technical Services

Setee

(: 210).

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, Jurkowska, Halina, and Sikora, Henryk.
AMMONIUM BICARBONATE AS A FERTILIZER, tr. by Bertha P. Klenova. 3 Nov 59, 9p. 4 refs. [No.] 3817.
Order from OTS or SLA \$1.10 60-19158

Trans. of Przemysl Chem[iczny] (Poland) 1958, v. [14]37, p. 408-411.

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

In the manufacture of synthetic ammonia from generator 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 obtained equals that of other nitrogenous fertilizers, its nitrogen content being 17.9%. The product, as prepared from ammonia, is cheaper than the fertilizers (Agriculture--Plant Cultivation, TT, v. 6, no. 5) (over)

60-19158

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

180410

Office of Technical Services

7-26-61

The Sesquicarbonate of Sodium. II. The System
 Na_2CO_3 - NaHCO_3 - H_2O , by E. Pischinger, J.
Tomaszewski.

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

ATS: PJ-1685

Sci - Chem

Jul 59

90,874

62-14991

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

62-14991

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

Trans. of Przemysl Chemiczny (Poland) 1958,
v. [14] (37) p. 168-169.

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

(See also 62-14990)

(Chemistry--Inorganic, IT, v. 8, no. 8)

Office of Technical Services

62-26985

Krause, A. and Kotkowski, B.
ÉTUDE DE L'ACTIVITÉ ET APPRECIATION D'UN
CATALYSEUR INDUSTRIEL UTILISÉ À LA CONVER-
SION DU MÉTHANE (Badanie aktywności i ocena
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

I. Krause, A.
II. Kotkowski, B.
III. Centre National de la
Recherche Scientifique

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

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

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

Office of Technical Services

62-26898

Pik, A.
DANGERS D'EXPLOSION DES VAPEURS INFLAMMABLES ET DES GAZ MÉLANGÉS A L'AIR. VI. CINÉMATIQUE DE LA COMBUSTION AUTOMATIQUE SOUS PRESSION ATMOSPHERIQUE DES MÉLANGES A DES CONCENTRATIONS PROCHES DES CONCENTRATIONS LIMITES (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 62-26898

Trans. in French of Przemysl 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

Mazonski, Tadeusz 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)

68-17273

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

Office of Technical Services

Pischinger, Ernest and Tomaszewski, Jerzy.
SODIUM SESQUICARBONATE. IV. PRODUCTION
METHODS (Seskwitwęglan Sodowy. IV. Metody
Produkcji). [1954] 23p. (4 figs. 5 tables omitted).
Order from SLA \$2.50 62-14092

Trans. of Fizyczny Chemiczny (Poland) 1958,
v. [14050], p. 525-529.

DESCRIPTORS: *Sodium compounds, *Carbonates,
Production, *Crystallization, Manufacturing methods.

Tests of crystallization of sodium sesquicarbonate by cooling the solution were conducted in the Zahn apparatus, both on a laboratory and on a semi-industrial scale. Furthermore, tests of sesquicarbonate crystallization 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) (Source: Fizyczny Chemiczny, IT, v. 8, no. 8)

62-14092

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

Office of Technical Services

Problems Connected With Phosphorite Mining in
Poland, by Jarzy Gdynia, 17 pp. UNCLASSIFIED
(SRI from Trans on 2/27/79).

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

US JPRS 1057-N

EEur - ~~XXXXXXXXXXXX~~ Poland
Econ
Jan 59

77,979

63-20242

Eckstein, Zygmunt.
ON THE POSSIBLE USE OF NITROPARAFFINS FOR
THE SYNTHESIS OF CHEMICAL PLANT-PROTECTING
AGENTS (O Możliwościach Praktycznego Wykorzy-
stania Nitroparafinu do Syntezy Chemicznych Środków
Ochrony Roslin). [1963] [20p] (foreign text included)
52refs

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 possibility of utilizing nitroparaffins in the synthesis of plant and crop protection agents is discussed. A
(Agriculture, TT, v. 10, no. 12) (over)

1. Title: Nitroparaffins
1. Eckstein, Z.

Office of Technical Services

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

POLISH, per, Przemysl Chemiczny, Vol XXXVIII,
No 10, 1958, pp 637-639.

SLA 60-21037
Navy Tr 2405/NRL 767
also FDD/X-3747

Sci - Chem

Oct 59

106,351

Domnauz, J. and Kaminski, B.
UTILISATION DES ISOTOPES RADIOACTIFS POUR LA
RÉGULATION DU NIVEAU DES LIQUIDES (Applica-
tion of Radioactive Isotopes to the Liquid Level Control).
15p
Order from OTS, HTC or CNRS \$0.80 62-26967

Trans. in French of Przemysl Chemiczny (Poland)
1958, v. [14] (37) no. 10, p. 673-676.

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

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

62-26967

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

Office of Technical Services

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

Trans. in French of Przemysl Chemiczny (Poland)
1958, v. [14] (37) no. 12, p. 774-777.

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

(Engineering--Chemical), TT, v. 10, p. 10

62-26974

I. Pavlikovski, B.
II. Bistron, S.
III. Centre National de la
Recherche Scientifique

Office of Technical Services

SECRET

(NV-2594)

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

POLISH, per, Przegląd Chemiczny, Vol XVIII, No 1,
1959, Warsaw, pp 1-9.

JTRS-1755-H

SEur - Poland
Econ - Chemical Industry
Jul 59

91,124

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. 1ère PARTIE (The Iron-Chromium
Catalyst in a Fluidized Bed for the Conversion of
Carbon Monoxide with Water Vapor). 17p 5 refs
Order from OTS, ETC or CNRS \$0.80 62-26966

Trans. in French of Przemysl Chemiczny (Poland)
1959, v. [15] (38) p. 39-44, ~~45-46~~.

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

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

62-26966

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

Office of Technical Services

Absorption of Helium, Neon and Hydrogen by
Silica Gel and Aluminum Oxide at the Temperature
of Liquid Nitrogen and at High Pressures, by A.
Gasparski, E. Zieliński, *Chem. Abstr.*

POLISH, per, *Przemysł Chemiczny*, Vol. XXXVIII,
Kraków, 1959, pp 87, 88.

Dept of Interior
TWT, 257, No 208
675 TT-60-17140

118,820

Sci - Chem

JUN 60
100-100-100000
675 TT-62-26542

62-26963

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. Même partie (Iron-Chromium
Catalyst in a Fluidized Bed for Conversion of Carbon
Monoxide with Water Vapor). 17p 1 ref
Order from OCS, BTC or CNRS \$0.80 62-26963

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

Trans. in French of Practical 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. 10, no. 10)

Office of Technical Services

SENTEE

(NY-2682).

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

POLISH, per, Przeegl Chemiczny, Vol XXXVIII, No 3, 1959, Warsaw, pp 129-133.

JPRS-1829-M N

ESur - Poland
Econ - Chemical Industry
Aug 59

93,438

SECRET

(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-1829-N

EEur - 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 Blaszkowska,
Rajmund Dybczynski, 25 pp.
POLISH, per, Przemysl Chemiczny, Vol XXXVIII, No 3,
1959, pp 168-175.
OTS 61-11373
PL-480

Sci - Chem
Mar 64

253,019

(NY-2155).

x

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

POLISH, pr, Przemysl Chemiczny, Vol XXXVIII,
no 4, 1959, pp 193-197.

JPRS-1829-M

ESur - Poland
Chemical Industry
Aug 59

93, 440

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

POLISH, per, Przemysl Chemiczny, Vol. ~~XXXVIII~~, No 4,
1959, pp 216-220. 9208375

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

Sci-Chem
Aug 66

308,471

Acta (NY-2107).

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

XXXVII
POLISH, per, Przemysl Chemiczny, Vol ~~XXXXI~~, No 6,
1959, pp 344-346.

*JPRS

EEur - Poland

Econ - Manufacture, Chem. Plant

Sep 59

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

POLISH, per, Przemysl Chemiczny, Vol XXXVIII,
1959, pp 358-362.

ATS-13851P
P-3326

Sci
Mar 62

189,559

Vol VII, No 2

SERIE

(NY-3010).

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

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

JPRS-2085-N

EEAR - Poland
Econ - Chem Industry
Dec 59

104,390

SETLE

(NY-3881).

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

POLISH, per, Przemysl Chemiczny, Vol XXXVIII, No 9,
Warsaw, 1959, pp 525-531.

JPRS-2171-H

EEur - Poland
Econ - Chemical Industry
Feb 60

107,268

<p>Wirpsza, Zygmunt. FOAM- UREA PLASTICS (Mocznikowe Tworzywa Piankowe. [2kp] (foreign tax included) 13rzs Order from SLA \$2.60 TT-64-16336</p> <p>Trans. of Przemysl Chemiczny (Poland) 1959, v. [15] 38, p. 399-401.</p> <p>Materials--Plastics, TT, v. 12, no. 4)</p>	<p>TT-64-16336</p> <p>L. Wirpsza, Z.</p> <p>Office of Technical Services</p>
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Data on the [Polish] Chemical Industry, by Michal
Nisselowski,

POLISH, *pr*, *Przemysl Chemiczny*, Vol XXXVIII, No 11,
1959, pp 679-682.

FID Sum 2512

ESur - Poland

Econ - Chemical industry

Mar 60

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(BX-5270)

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

POLISH, per, Przemysl Chemiczny, Vol XXXVIII,
No 9, 1959, pp 525-531.
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JPRS 7:28

Klar - Poland
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An Investigation of the Oxidation of Sulphur
Dioxide Dissolved in Various Solvents, by A.
Swinarski, E. Danilczuk.

POLISH, per, Przemysl Chemiczny, Vol XXXIX, No 2,
1960, pp 87-90.

HLL M. 3122

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Sci - Chem

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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

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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

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(NY 4632)

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

POLISH, per, Przemysl Chemiczny, Vol XXXIX,
No 3, 1960, pp 182, 183.

JPRS 7391

EEur - Poland
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Jan 61

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(NY-5761/1)

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

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

JFKS ~~18~~ 7948

ISur - Poland

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(NY-5761/2)

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

POLISH
Gazeta, par, Przemysl Chemiczny, Vol XXXIX, No 4,
1960, pp 192-195.

JPRS 7948

EBur - Poland

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Apr 61

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(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

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

POLISH, par. ^{XVI}Przemysl Chemiczny, Vol. XXXIX, No 4,
1960, pp 228-231. 9208373

PL-480
OTS 61-11376

Sol - Chem

Jun 63

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(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

HEur - Poland

135,688

Econ

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(NY 4775)

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

POLISH, per, Przemysl Chemiczny, Vol XXXIX, No 6
1960, pp 333-335.

JPRS 7422

EEur - Poland

Econ

Jan 61

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(NY-5291)

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

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

JPRS 7328

ESur - Poland
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Tomasz, W.; Janikowska, H.

INVESTIGATIONS ON THE PROPERTIES OF A POWDER
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Order from NTC as 70-13462-07D: HC \$ 9.40, MF \$ 6.00.

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

POLISH, per, Przemysl. Chem., Vol. XXXIX,
No 6, 1960, pp 509-513.

ATS PJ-3863

Sci.-Chem
Dec 63

244, 917

(SF-1260)

Biographies of Polish EM Chemists, 5 pp.

POLISH, per, Przemysł Chemiczny, No 8, 1960,
pp 519, 520.

JPRS 4285

EMIS - Poland

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Jan 61

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(DC-5002)

The Mazovian Refinery and Petro-Chemical Plant
in Plock, by Kazimierz Kachlik, 4 pp.

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

JPRS 6973

EEur - Poland

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Mar 61

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

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

APS-03855P

Sci

Mar 62

Vol VII, No 2

189,554

<p>Wolny, A. and Czarnota, T. DRYING OF POLYETHYLENE BY THE FLUIDIZED BED TECHNIQUE. [1961] 8p. Order from ATS \$12.25 ATS-51NSOP</p>	<p>61-22371 I. Wolny, A. II. Czarnota, T. III. ATS-51NSOP IV. Associated Technical Services, Inc., East Orange, N. J.</p>
<p>Trans. of Przemysl Chem[iczny] (Poland) 1960 [v. [16](39) no. 10, p. 629-633.</p>	<p>161862</p>
<p>DESCRIPTORS: *Ethylenes, *Polymers, Dehydration, *Fluidized solids.</p>	<p>Office of Technical Services</p>
<p>PS-3307</p>	
<p>(Engineering--Chemical, TT, v. 6, no. 1)</p>	

(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, ~~Przemysl Chemiczny~~, Vol XXXIX,
No 11, 1960, pp 653-655.

JPRS 8521

KEur - Poland
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(DC-5213)

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

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

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JPRS 8421

EEur - Poland
Econ
Jul 61

159, 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 85121

Ekur - Poland
Econ
Jul 61

159,804

(DC-6213)

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

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

JPRS 8521

159,803

EEur - Poland
Econ
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(DE 5213)

1960 Investment Plans and Results,

POLISH, per, Przemysl Chemiczny, Vol XXXIX, No 11,
1960, pp 700, 701.

*JPRS

EE - Poland

Econ

24 Jan 61

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(R-5213)

Chemical Industry Cooperation With Research Groups
on Automation,

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

*JPRS

EE - Poland
Econ
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(DC-5213)

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

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

JPRS 8521

EEur - 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 8521

HEur - Poland
Econ
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Chudzikiewicz, 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. of 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

I. Chudzikiewicz, R.
II. International Chemical
Engineering, New York

Office of Technical Services

63-14113

Wasilewski, Ludwik, Swatek, S., and Gnot, W.
MERCURY LOSSES IN MERCURY ELECTROLYSIS OF
SODIUM CHLORIDE. I. ANALYSIS OF INDUSTRIAL
LOSSES OF MERCURY. [1963] 10p. 2 refs.
Order from SLA \$1.10 63-14113

I. Wasilewski, L.
II. Swatek, S.
III. Gnot, W.
IV. Title: Analysis...

Trans. of Przemysl Chemiczny (Poland) 1961, v. [17] (#0)
no. 4, p. 203-206.

DESCRIPTORS: *Mercury, *Electrolysis, Sodium
compounds, Chlorides, Solvent action, Electrochemistry

Losses of mercury in brine occur both during the elec-
trolysis process and when the current is turned off.
The main losses of mercury occur in salt slimes and in
brines drawn off during circulation. These saline
slimes and brines contain both dissolved and undis-
solved mercury. The amounts of mercury include vari-
ous concentrations of mercury in the brines, ac-
cumulating in the tank and left behind in the saline slimes
(Chemistry--Physical, TT, v. 10, no. 5) (over)

Office of Technical Services

NCH-202 915 Field 7D

Augustyn, W.; Kryszowski, M.; Gatnikiewicz, A.;
Jarocka, K.
STUDIES ON THE THERMAL DECOMPOSITION OF
AMMONIUM FLUORIDE IN AQUEOUS SOLUTION.
1965, 8p. ATS-81887P.
Order from ATS: \$13.95 as ATS-81887P

Trans. of Przemysl Chemiczny (Poland) v17(40) n4
p206-9 1961.

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

Krygielova, W., Kucharski, J. and others.
TENTATIVES POUR RENDRE INOFFENSIVES LIS
EAUX USEES DE LA PRODUCTION D'AUREOMYCINE
(Purification of Sewage from Aureomycin Manufacture).
9p. FX-1124.
Order from OTS, ETC or CNRS \$0.80 62-26469

Trans. in French of Przemysl Chemiczny (Poland)
1961, v. [17](40) p. 341-344.

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

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

62-26469

I. Krygielova, W.
II. Kucharski, J.
III. FX-1124
IV. Centre National de la
Recherche Scientifique
(France)

Office of Technical Services

63-14114

Wasilewski, Ludwik, Gnot, W., and Swatek, S.
MERCURY LOSSES IN MERCURY ELECTROLYSIS OF
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LYSERS ON LOSSES OF MERCURY IN THE ELEC-
TROLYTIC PRODUCTION OF CHLORINE. [1963]

I. Wasilewski, L.
II. Gnot, W.
III. Swatek, S.
IV. Title: Influenca...

10p. (figs. omitted) 5 refs.

Order from SLA \$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 brines during cut-off was 170 mg;
(Chemistry--Physical, TT, v. 10, no. 5) (over)

Office of Technical Services

62-34309

Hobler, T.
CORRELATION OF EQUATIONS FOR LIQUID-PHASE
MASS-TRANSFER COEFFICIENTS WITH WETTED
PACKING. Jan 62, Sp. 5 refs.
Order from ICE in v. 2, no. 1, \$15.00/year

Trans. of Przemysl Chemiczny (Czechoslovakia) 1961,
v. [17]40 no. 7, p. 396ff.

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

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

- I. Hobler, T.
- II. International Chemical
Engineering, New York

Office of Technical Services

62-34302

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. 433ff.

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

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

- 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
Benedek Taban,

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

EDD SUM 3056

EEur - Poland
Econ - Chemical
Jun 61

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

POLISH, par, Przemysl Chemiczny, Vol XI,
No 5, 1961, pp 280-284. 9675856

FTD-IT-61-386

Sci - Chem

188, 285

19 Mar 62

(SF-1855)

Problems of the Chemical Industry Foreign
Trade, by Janusz Walewski, 7 pp.

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

JPRS 12830

EMur - Poland
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(SF-1855)

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

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

JPRS 12118

EBux - Poland

Econ

184, 912

Feb 62

Increasing the Heat of Combustion of
Hydrocarbon Fuels, by Bogdan Wislicki, *et al.*

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

*FTD-TT-61-386

Sci - Chem

13 Dec 61

(SF-1055)

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

Rabczuk, A., and Rutkowski, M.
NOUVEAUX ÉLÉMENTS POUR LA RÉGULATION
AUTOMATIQUE DE LA RECTIFICATION À L'ÉCHEL-
LE DE LABORATOIRE (Nowe Elementy Automacyjnej
Regulacji Rektyfikacji w Skali Laboratoryjnej) (New
Elements for the Automatic Regulation of the Labora-
tory-Type Rectification). 16p. (foreign text included)
12refs. CNRS-VI 804.
Order from OTS, ETC or CNRS 50.80 TT-62-28586

Trans. in French of Przemysl Chemiczny (Poland)
1961, v. [17](40) no. 9, p. 534-537.

DESCRIPTORS: *Distillation, Laboratory equipment,
Automatic, Separation.

Engineering--Chemical, TT, v. 11, no. 9)

TT-62-28586

- I. Rabczuk, A.
- II. Rutkowski, M.
- III. CNRS-VI 804
- IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translation Centre

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

RME

POLISH, per, Przemysl Chem, Vol XL, No 10, 1961,
pp 590-591.

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, 8 PP.

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

JPRS 14367

EUR - POLAND SCI CHEM

202,376

ECON

(SF-1055)

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

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

JPRS 14367

EUR - BULGARIA
ECON.
JUL 62

202,374

(SF-1055)

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

POLISH, PER, PRZEMYSŁ CHEMICZNY, NO 11, 1961,
PP 518, 519.

JPRS 14367

EEUR - CZECHOSLOVAKIA
ECON
JUL 62

202,375

(SF-1355)

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

POLISH, PER, PRZEMYSŁ CHEMICZNY, VOL XL,
NO 11, 1961, PP 621-624.

JPRS 14367

EUR - POLAND
ECON .
JUL 62

202,377

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. 646ff.

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

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

62-34342

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

Office of Technical Services

63-12624

Grzelewski, L., Krawczyk, N., and Teichert, 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 Przemysl Chem[iczny] (Poland) 1961 [v. 17]
(40) no. 12, p. 684-687.

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

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

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

ATS PI-2980

670

Office of Technical Services

87-1857)

DEVELOPMENT POTENTIALS FOR PETROCHEMISTRY IN
POLAND, BY JAN POJDA, 7 PP.

POLISH PER, PRZEMYSŁ CHEMICZNY, VOL XLI,
NO 1, 1962, PP 9-11.

JPRS 14134

EDM - POLAND
ECOM -
SCI - CHEM
JAN 62

0
800,806

significant research in petrochemistry.

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

FDD SUI 3666

EEur - 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

FTD-TT-62-1003 1472 4628798

Feb 72

Sadowska, W., Zakrzewski, L., and Fejgin, J.
STABILIZATION OF POLYFORMALDEHYDE, PT. 1.
[1962] 7p.
Order from ATS \$9.75 ATS-09P62P

Trans. of Przemysl Chem[iczny] (Poland) 1962,
v. [18]41, no. 1, p. 40-43.

DESCRIPTORS: *Stabilization, *Formaldehyde,
*Polymers.

(Chemistry--Organic, TT, v. 9, no. 1)

62-34232

- I. Sadowska, W.
- II. Zakrzewski, L.
- III. Fejgin, J.
- IV. ATS-09P62P
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services