

Density Measurements On Porous and Pulverulent
Materials by J. Krutzsch.

GERMAN, per, Chimia, Vol XI, 1957, pp 333-335.

CSIRO

Oct. 62

62-22806

Poggi, Raoul and Milletti, Mario.
APPARATUS FOR THE RAPID DETERMINATION OF
ABSORBING POWER. [1962] 15p.
Order from K-H \$18.75 K-H 6124 c

Trans. of Chimica, Milan (Italy) 1957, v. 33, p. 10-15.

DESCRIPTORS: *Absorption, Determination, *Labora-
tory equipment.

(Chemistry--Physical, TT, v. 9, no. 6)

- I. Poggi, R.
- II. Milletti, M.
- III. K-H-6124-c
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

On the Quantitative Determination of Uroxanthic
Acid in Urine, by R. H. H. Richter, p 328.
The Ions Present in Solutions of Vanadic Acid and
Vanadates, by J. Meier and G. Schwarzenbach.
pp 328-329.
GERMAN, per, Chimia, Vol XII, Nov 58,
*JPRS/DC 15233/SPECIAL

Sci-Chem
May 61

Initiation Processes in Liquid Explosives, by M
Zippermayr, 19 pp.

GERMAN, per, Chimia (Switzerland), Vol XIII,
Feb 1959, pp 56-63.

AEC AWRE/Trans/12

Sci - Chem
Jul 61

157, 430

Radiation Chemistry of Synthetic
Polymers in the Solid State, by
G. F. D'Alaio, R. Haberli.
GERMAN, per, Chimia (Aarau), Vol XIII,
1959, pp 309-314.
*NASA TT F-10,192

U. S. GOVERNMENT USE ONLY
Sci-Chem
Jul 66

Millett, Mario.
MEANS DIMINISHING TOXICITY OF TOBACCO
SMOKE AND TECHNIQUE OF USING THEM. [1962]
24p.

Order from K-H \$30.00

K-H 9929-b

Trans. of Chimica [Milan] (Italy) 1959, v. 35, no. 5,
p. 333-340.

DESCRIPTORS: *Tobacco, *Smokes, Cigarettes, *Tox-
icity, Countermeasures.

(Biological Sciences--Toxicology, TT, v. 9, no. 4)

62-28571

- I. Millett, M.
- II. K-H-9929-b
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Examination of Synthetic Resin Finishes
for Cotton and Nylon, by J. Weibel.

GERMAN, par, Chimia, Vol XIV, 1960,
pp 46-50.

CSXRO

Sci - Chem
Jun 62

203,381

Radiation Chemistry of Synthetic
Polymers in the Solid State," by
G. F. D'Alelio, R. Haberli.
GERMAN, per, Chimia (Aarau), Vol XIII,
1959, pp 309-314.
NASA TT F-10,192

U. S. GOVERNMENT USE ONLY
Sci-Chem
Jul 66

306,523

Use of Radio-Active Isotopes for the Study of
Reaction Mechanisms in Organic Chemistry, by
Schmid.

GERMAN, per, Chimia, Vol 14, 1960, pp 248-261.

P911025267

AEC NP-tr-1451

Sci/Uhm istry
Mar 67

318.560

Lanthionine, the First Amino Acid Isolated
from Wool, by A. Vassiliadis.
FRENCH, per, Chim Chron, Vol XXVIIA, 1962,
pp 5-9,
HEW NIH No 3-23-66

Sci - Chem
May 66

301,329

Chemistry of Silicones, by H. Stann.
GERMAN, per, Chimia, No 16, 1962, pp 6-221 2.21-2.26
GB/39/1025 1655

Sci -

Jul 67

335,005

Organofunctional Silicones, by G. Rossmly.
SWEDISH, per, Chimia, Vol XVI, 1962,
pp 226-231.
TC-168

Apr 67

323,034

The Importance of Emission Spectrography
in Criminal Investigation, by E. Martin.
GERMAN, per, Chimia, Vol 17, 1963, pp 262-265.
NLL Ref: 5828.4F (7164)

Sci-Chem
Jan 69

373.632

Isomerism of Disulphur Difluorides, by F. Seel,
R. Budenz.

GERMAN, per, Chimia, Vol 17, 1963, pp 355-356.

MLL Ref: 9022.09 (4575)

Sci-Chem

Aug 68

362,041

Applications of Matrix Calculus in Chemical
Thermodynamics, by B. Milicevic.
FRENCH, per, Chimia, Vol 17, 1963, pp 369-378.
NTC-71-12553-07D

Revised T.T.F. 10, 343 pp 369-402

Nov 71

The Radiolysis of Liquid Hexane,
by T. Gaumann.
GERMAN, per, Chimia, Vol 18, No 11,
pp 345-348, 1964 9229804
AEC NP-Tr-1257

NP L 1248 pp 345-374

Sci-Phys
Nov 65

291,645

Colorimetric determination of traces of Se in Steel,
determination of small quantities of se in the absence
of other elements, by N. Leontovitch.

FRENCH, per, Chim analyt, No 41, 1959, pp 56-61
CRL/T. 2098

Sci -
Sep 67

340,311

Determination of Water in Polyamide Films,
by Y. Mayevska, A. Bogorzeck.
ZEST, per, Chemie Analityczna, ol 10, No 3,
1965, pp 491-493.
REF 5828.4 (5924)

Sci.-hen
Jul 68

52,010

TT-64-14462

1. Title: Smoke filters
1. Milletti, M.

Milletti, Mario.
ON THE MEANS CAPABLE OF DIMINISHING THE
TOXICITY OF TOBACCO SMOKE AND ON THE
TECHNIQUE OF USING THEM, NOTE IL [1962] 24p
11refa

Order from SLA \$2.60

TT-64-14462

Trans. of Chimica [nell'Industria nell'Agricoltura,
nella Biologia, nelle Realizzazioni Autarchiche e Corpo-
rative] (Italy) 1959, v. 35, no. 5, p. 333-340.
Another trans. is available from K-H \$30.00 as
K-H-9929-b [1962] 24p.

DESCRIPTORS: *Tobacco, *Cigarettes, Smokes,
Toxicity, Inhibition, Filters (Fluid), Effectiveness,
Test equipment.

(Biological Sciences--Medical Specialties, TT, v. 11,
no. 10)

Millett, Mario.

ON DEVICES CAPABLE OF DIMINISHING THE
TOXICITY OF TOBACCO SMOKE AND ON THE
TECHNIQUE OF THEIR EMPLOY. NOTE III. EX-
AMPLES OF DETERMINING THE SUBSTANCES CON-
TAINED IN TOBACCO SMOKE BY MEANS OF PAPER
CHROMATOGRAPHIC ANALYSES. [1962] [16p] 14 refs
Order from SLA \$1.60

TT-64-14463

Trans. of Chimica [nell'Industria nell'Agricoltura,
nella Biologia, nelle Realizzazioni Autarchiche e
Corporative] (Italy) 1959, v. 35, no. 10, p. 589-594.
Another trans. is available from K-H \$18.75 as
K-H-9929-c [1962] 15p.

(Chemistry--Analytical, TT, v. 11, no. 11)

TT-64-14463

- I. Millett, M.
- II. Title: Examples...

Office of Technical Services

Millett, Mario.
CONCERNING DEVICES CAPABLE OF DIMINISHING
THE TOXICITY OF TOBACCO SMOKE AND ON THE
TECHNIQUE OF THEIR USE. [1962] 12p.
Order from K-H \$15.00 K-H 11322

Trans. of Chimica Milan (Italy) 1960, v. 34, no. 1,
p. 506-509.

DESCRIPTORS: *Tobacco, Smokes, *Toxicity,
Inhibition, Nicotine.

(Biological Sciences--Pathology, TT, v. 8, no. 5)

62-17526

- I. Millett, M.
- II. K-H-11322
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Miletti, M[ario] and Lamieri, M[assimo].
PRODUCTS CAPABLE OF DECREASING THE TOXICITY OF TOBACCO SMOKE, AND THE TECHNIQUE FOR THEIR USE. IV. CONTROL OF THE PROTECTIVE EFFECT AND ABSORPTION CAPACITY OF SOME COMPOUNDS IN COMMERCIAL USE. [1961]
22p. (2 footnotes omitted) 10 refs.
Order from SLA \$2.60

61-16088

Trans. of Chimica (Italy) 1960, v. 36, no. 3,
p. 124-133.

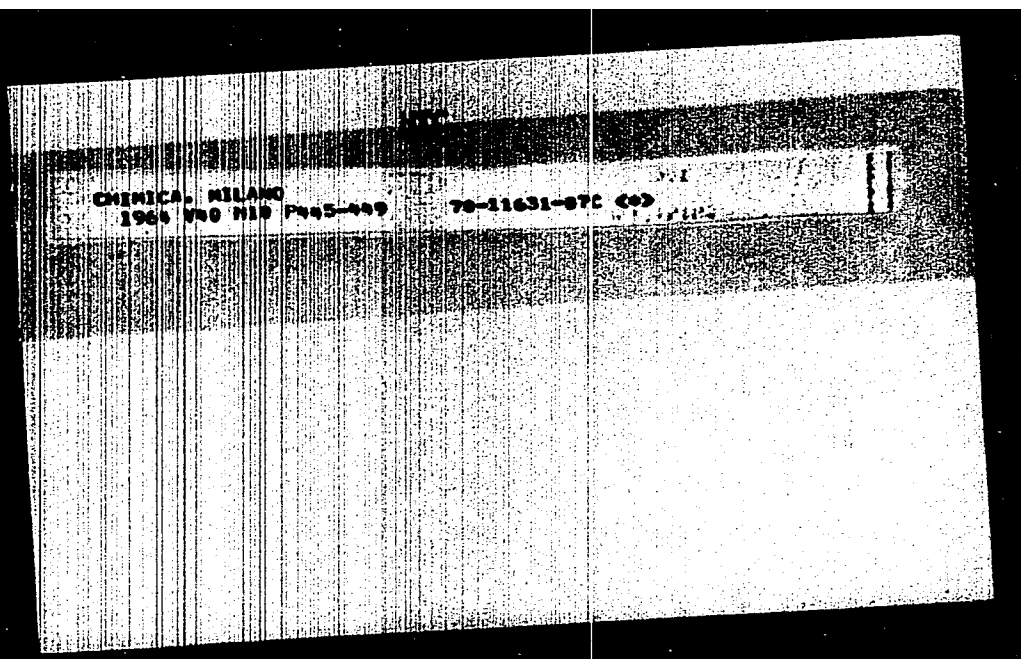
DESCRIPTORS: *Toxicity, *Tobacco, Smokes, Cigarettes, *Absorption, Chemical analysis, Inhibition, Nicotine.

The commercial products were investigated in order to determine and to verify their protective efficiency (EP) and their absorbing power (PA). The chemical control (Chemistry--Analytical, TT, v. 9, no. 7) (over)

61-16088

I. Miletti, M.
II. Lamieri, M.
III. Title: Control ...

Office of Technical Services



Nitryl Fluoride - Pentahydrogen Fluoride,
by F. Seel, H. Semmler.
GERMAN, per, Chimia, Vol 16, No 9, 1962,
pp 290-291.
NTC 69-12464-07B

Sci-Chem
Aug 69

388,519

Schildknecht, H.
ZONE MELTING AND COLUMN CRYSTALLIZATION,
NEW PROCESSES FOR SEPARATING AND PURIFYING
CRYSTALLIZING SUBSTANCES. [1963] 33p 22refs
Order from SLA \$3.60 TT-64-14722

Trans. of Chimia (Switzerland) 1963, v. 17, p. 145-157.

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

TT-64-14722

I. Schildknecht, H.

Office of Technical Services

Analysis of Cobalt and Nickel in Zinc Ores and Zinc Electrolytes, by G. Scacciati, 5 pp.

ITALIAN, excerpts, *la Chimica e l'Industria*, Vol XVII, Sep 1935, pp 592-594.

S.L.A. Tr 521/56

Sci - Minerals/Metals, Chemistry

37,126

Aug 1956

In the Field of Explosives. Recent Additions, by
P. Grottanelli, 9 pp.

ITALIAN, per, La Chimica e l'Industria,
Vol XVIII, No 5, 1936, pp 232-235.

S.L.A.

Scientific - Chemistry
CTB 70/Jul 55

25,187

Oleum Plant of the "S. A. Industrie Chimiche
Dr. Baslini", pp 3 pp.

ITALIAN, per, La Chimica e l'Industria, Vol
XVIII, No 8, Aug 1936, pp 396-397.

S. L. A. Tr 641/56

Sci - Chemistry
Aug 56 CTB/dex

38,306

The Preparation of Artificial Cryolite From Fluorine
Gas in the Superphosphate Industry, ~~by Dr. S. J. ...~~
1 pp.

ITALIAN, per, ^{*}La chimica di' industria, Vol XVIII,
Sep 1936, p 468.

Sci - Chem
Apr 1957

SLA Tr 1647 Jan 1957

46,199

The Fauser Process for the Production of Ammonium Nitrate, by G. Pastonesi, 4 pp.

ITALIAN, per, La Chimica e l'Industria, Vol XX XVIII, Oct 1936, pp 511-513.

S. L. A. Tr 646/56

Sci - Chemistry
Aug 56 CEB/dex
•

38,304

TT-63-20163

I. Pastonesi, G.

Pastonesi, Giuseppe.
EFFECT OF DILUTING GASES IN SYNTHESSES AT
ELEVATED PRESSURES. [1963] 8p (figs omitted)
11 refs

Order from SLA \$1.10

TT-63-20163

Trans. of la Chimica e l'Industria (Italy) 1937, v. 19,
no. 3, p. 123-125.

DESCRIPTORS: *Ammonia, Synthesis (Chemistry)
Gases, *Nitrogen, *Hydrogen, *Argon, Density,
Chemical equilibrium, High pressure research.

(Chemistry--Physical, TT, v. 11, no. 6)

Office of Technical Services

Electrolysis of Alkaline Chlorides; Effect of
Magnesium and Calcium Salts, by Giuseppe Bonfiglio,
Arrigo Linari, 9 pp.

ITALIAN, per, Chimica e l'Industria. Vol XIX,
No 5, 1937, pp 252-254.

S.L.A. Tr No 365/1955

Sci - Chemistry
Jan 1957 CTS/dex

44, 496

The Recovery of Sulphur From Combustion Gases, by
I. M. Secchi, 9 pp.

ITALIAN, per, La Chimica e L'Industria, Vol ~~XIX~~, XIX
Oct 1937, pp 574-578.

S.L.A. Tr 1174/1956

40, 073

WE - Italy

Economic

Sci - Chemistry

Oct 56 CTS

The Contact Process for the Production of
Sulfuric Acid, by E. Cornelio, 7 pp.

ITALIAN, per, La Chimica e l'industria,
Vol XX, Jan 1938, pp 8-12.

S.L.A. Tr 433/1956

Sci - Chemistry

35,557

Jun 1956

New Developments in the Preparation of Sulphuric
Acid Catalysts, 3 pp.

ITALIAN, per, La Chimica e L'Industria, Vol XX, No 2,
1938, p 81.

S.L.A. Tr 508/56

Sci - Chemistry

Aug 1956

36,989

Perret, Hugo.
ON THE CORROSION OF POTS THROUGH THE
MELTING OF CAUSTIC SODA. [1963] [14]p. 4 refs.
Order from SLA \$1.60 63-14249

Trans. of la Chimica e l'Industria (Italy) 1938, v. 20,
no. 3, p. 133-136.

DESCRIPTORS: *Corrosion, *Sodium compounds,
*Hydroxides, Melting, Cast iron, *Containers, Hydro-
gen, Chlorates, Oxidation, Chemical industry,
Industrial equipment.

The diverse factors that are able to influence the
corrosion of cast iron pots used for the melting of
caustic soda, and particularly the defects of the metal,
the action of the heat, and the chemical action, are
studied.

(Metallurgy--Corrosion, TT, v. 10, no. 5)

63-14249

1. Perret, H.

Office of Technical Services

Electrolytic Production of Ammonium Nitrate, 2 pp.

ITALIAN, per, La Chimica e L'Industria, Nov 1938
p 737.

B. L. A. Tr 578/56

Sci - Chemistry

Aug 56 CEE/dex

38,355

Thermal Balance in the Synthesis of Urea, by
Giuseppe Pastonesi, Osvaldo Candolari, 5 pp.

ITALIAN, per, La Chimica e L'Industria, Vol XXI,
No 2, Feb 1939, p 67.

S.I.A. Tr 1156/1956

Sci - Chemistry
Oct 56 CTS

40, 062

Cathode Phenomena in the Electrolysis of Aqueous
Solutions of Salts or Alkaline Hydroxides, by
Roberto Piontelli, Alessandro Giulotto, 15 pp.

ITALIAN, per, Chimica e l'Industria, Aug 1939,
p 478.

S. L. A. Tr 652/56

Sci - Chemistry
Aug 56 CTS/dex

38,300

Recent Progress in the Production of Ammonium
Nitrate, by Dino Mavri, 10 pp.

ITALIAN, per, L'Chimica e l'Industria, Oct 1939,
p 572.

S.L.A. 1145/1956

Sci - Chemistry
Oct 56 GTS

40, 053

Oliville, the Prototype of a New Class of Natural
Resinous (Biconifery) Products, by B. L. Vanzetti,
3 pp.

Full translation.

ITALIAN, per, Chim e Indust, Vol XXII, No 9, 1940,
pp 420-421.

NIH

WEur - Italy

Scientific - Chemistry

JUL 53 CTS

4040

~~3870~~

The Hydrogenation of Furfural and its Derivatives, by
G. Hatta.

ITALIAN, *Chim e Ind*, Vol XXIII, 1942, pp 117-123.

INSDOC T 1748

Sci
Apr 59

84,455

O,O'-diaryl-Dithiophosphoric Acid Esters, by Livio
Cambì, 16 pp.

ITALIAN, per, La Chimica e l'Industria, Vol XXVI,
Jul-Aug 1944, pp 97-101.

CIA/FDD XX-457

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem
May 58

IAC INTERNAL USE ONLY

64,074

New Derivatives of 4,4' -Diaminodiphenyl Sulfone,
by Baldo Ciocca, Luigi Canonica, 9 pp.

ITALIAN, per, Chimica e Industria, Vol XXVI,
1944, pp 167-170.

S.L.A.

Scientific - Chemistry

23,694 CTS 68/May 55

Nickel, Cobalt and Iron Salts of Acids Containing
the $\equiv P(:S)SH$ Radical, by L. Malatesta, R. Pizzotti,

ITALIAN, per, Chim et Industrie, Vol XXVII, No 1-2,
1945, pp 6-10.

ATS 533-IJ

Sci - Chem

Aug 60

123,908

The Liquid-Vapor Equilibrium in the Water-
Propargylic Alcohol and Benzene-Propargylic
Alcohol Systems, by Massimo Simonetta, Elso
Mugnaini, 25pp
ITALIAN, per, la Chimica e l'Industria, Vol 30,
1948, No 3, pp 73-78
SLA TT-64-20547

Sci - Chem
June 67

329,412

Natural and Synthetic Curares, by D. Bovet.

ITALIAN, per, La Chimica e l'Industria, Vol XXXI,
May 1949, p 147.

AEC Tr 561

DRB T.9.I.

10,497

Scientific - Medicine

Aug 1951 CTS

Elimination of the Odors From a ~~SS~~ Sulphate Cellulose
Factory, by G. Bozza, P. Colombo

ITALIAN, per, ~~SE~~ Chimica e Industria, Vol XXXI, 1949,
PP 233-241.

Nat'l Res Council Canada TT 220

Scientific - Chemistry
JUL CTS/DEX

Price 0.25

16,464

62-22807

THERMAL DIFFERENTIAL ANALYSIS APPLIED TO THE DETERMINATION OF TEMPERATURE CHARACTERISTICS AND TO THE APPROXIMATE EVALUATION OF THE THERMAL TONALITY OF COMPLEX CHEMICAL PROCESSES. [1962] 17p.
Order from K-H \$21.25

K-H 6196-a

Trans. of la Chimica e l'Industria (Italy) 1951, v. 33, no. 2, p. 71-76.

DESCRIPTORS: *Calorimetry, Physical properties, Temperature coefficient of reactivity, *Chemical reactions.

(Chemistry--Physical, TT, v. 8, no. 12)

- I. K-H-6196-a
- II. Kresge-Hooker Science Library Associates, Detroit, Mich.

Office of Technical Services

Differential Thermal Analysis Applied to the
Determination of the Characteristic Temperatures
and to the Approximate Evaluation of the Thermal
Tonalties in Complex Chemical Processes. I. Thermal
Decomposition of Starch and of Cellulose, by Domenico
Costa, & Giacomo Costa

ITALIAN, per, La Chimica de l'Industria, Vol XXXIII,
1951, pp 71-76.

SLA 57-3395

S.L.A. Tr Pool

Scientific - Chemistry

CTS/INDEX

14,313

Separation of the Optic Antipodes of
Camphosulfonic Acid by Means of
Chromatography on Specific
Adsorbents, by R. Curti, et al.
ITALIAN, per, Chimica e-Industria,
No 33, 1951, pp 103.
C.I. 9-39-64

Sci-845.
Jul 65

280,152

The Recent Developments in the Synthetic Ammonia
Industry, by G. Fauser, 2 pp.

(Section on Electrolytic Hydrogen)

ITALIAN, per, La Chimica e l'Industria, Vol CCXXXIII,
1951, p 193.

~~1104~~
S.L.A. Tr 8046/1956
1104

Sci .. Chemistry

~~XXXXX~~

Oct 56 CFS

40,022

62-17338

Natta, Giulio.

HIGH-PRESSURE SYNTHESSES OF OXYGENATED
ORGANIC COMPOUNDS WITH CARBON MONOXIDE.

May 62, 9600 words, 41 refs.

Order from CTS(Chem) \$19.20

CTS(Chem)-271

subsequent copies \$3.20/ea.

Trans. of [la] Chimica e [l']Industria (Italy) 1951,
v. 33, no. 5, p. 272-282.DESCRIPTORS: *Organic compounds, Synthesis,
Pressure, *Carbon compounds, *Monoxides,
Reagents.

(Chemistry--Organic, TI, v. 8, no. 2)

- I. Natta, G
- II. CTS(Chem)-271
- III. Chemical Translating
Service, Palo Alto, Calif.

Office of Technical Services

Production of Vinyl Chloride on Industrial
Scale, by J. C. Vlughter, J. J. Leendertse,
R. H. Mastivier-Mayer, 15 PP.

ITALIAN, per, Chimica e l'Industria, Vol XXXIII,
No 10, 1951, pp 613-619.

SLA 60-18059

Sci
Vol. IV, No 9
Mar 62

187,134

Study of the Reaction of Gypsum During the Set
of Portland Cement, by Renato Buechi, 24 pp.

ITALIAN, per, La Chimica et l'industria, Vol XXXIII,
no 11, nov 1951, pp 651-694.

S.L.A. Tr 75

32,757

EUR - Italy
Scientific - Engineering

The Application of Differential Thermal Analysis to the Determination of Characteristic Temperatures and to the Approximate Evaluation of the Thermal Effects in Complex Chemical Processes. II. The Thermal Decomposition of Bone Sugars, by R. Costa, G. Costa.

C

ITALIAN, per, La Chimica e l'Industria, Vol XXXIII, 1951, pp 708-711.

Dept of Int
US Bur of Mines
Br of Bituminous Coal Res
Washington, No 106

84,615

Sci - Chem
Apr 59

Randaccio, Carlo, Pedinelli, Mario, and Bovelacchi, Franco.

THE ACTION OF CHLORO AND BROMO HYDRO-CARBON DERIVATIVES TO ELIMINATE LEAD OXIDES IN ENGINES USING TETRAETHYL LEAD GASOLINES (Sul Comportamento dei Cloro- e Bromo-derivati di Idrocarburi nella Eliminazione degli Ossidi di Piombo in Motori Alimentati da Benzine Contenenti Piombotetraetile). [1963] 23p (figs omitted) 7 refs

Order from SLA \$2.60

TT-64-10440

Trans. of la Chimica e l'Industria (Italy) 1951, v. 33, no. 12, p. 782-789.

(Materials--Fuels, TT, v. 11, no. 12)

TT-64-10440

- I. Randaccio, C.
- II. Pedinelli, M.
- III. Bovelacchi, F.

Office of Technical Services

TT-63-18955

Speroni, G., Jovine, L., and Perini, M.
BINARY SYSTEMS OF THE ISOMERS OF HEXA-
CHLOROCYCLOHEXANE AND THE POSSIBILITY OF
CRYOSCOPIC DETERMINATION OF THE GAMMA
ISOMER. Presented at the National Congress of
Chemistry (no. 6) Congress of Industrial Chemistry
(no. 23) Milan, 17-23 Sep 50. [1963] 10p (3 figs
omitted) 16refs

Order from SLA \$1.10

TT-63-18955

Trans. of [la] Chimica e l'Industria (Italy) 1952, v. 34,
p. 4-6. (Abstract available)

DESCRIPTORS: *Hexachlorocyclohexanes, *Insecticides,
Molecular isomerism,

The six binary systems between the α , β , γ , and δ
isomers of hexachlorocyclohexane have been studied.
The α - γ , α - δ , and γ - δ systems present a
eutectic with a depression of 20-30° with respect to the
(Chemistry--Organic, TT, v. 11, no. 4) (over)

- I. Speroni, G.
- II. Jovine, L.
- III. Perini, M.
- IV. Title: National ...
- V. Title: Congress ...

Office of Technical Services

The Colorimetric Determination of Traces of Boron
in Heavy Water, by C. Pizzotti, L. Selmi

Atchim. per. la Chimica e l'Industria, Vol. XXIV,
No 5, 1952, pp 265-266.

AEC Tr 1690

Scientific - Chemistry
CIS/DKX

5721

The Chemistry of Polyhalogenated Cyclopentadiene and Related Compounds VII. The Laboratory Preparation of Hexachloro- and Pentachlorocyclopentadiene¹, by Randolph Riemschneider, 7 pp.

Full translation.

ITALIAN

~~CHIMICA~~, per, La Chimica e L'Industria (Milan),
Vol XXXIV, 1952, pp 266-268.

S.L.A.

Scientific - Chemistry

27,179

Aug 55

The Use of Synergists in the War against
Houseflies Immune to Contact Insecticides,
by G. Speroni.

ITALIAN, per, Chimica e Industria, Vol XXXIV,
1952, pp 391-403.

CSIRO-3213

Sci
Aug 58

70, 845

Synthesis of Anilides From Olefins, Carbon
~~Monoxide~~ Monoxide and Aniline, by P. Pino,
R. Magri, 20 pp,

ITALIAN, per, La Chimica e L'Industria, Vol XXXIV,
No 9, 1952, pp 511-517.

CIA/TDD/2-1562

Scientific - Chemistry

Feb 55 CTS

21370

Musajo, Luigi, Rodighiero, Giovanni, and
Caporale, Giuseppe.

PHOTODYNAMIC ACTIVITY OF NATURAL COU-
MARINS. [1962] 5p. 7 refs.

Order from SLA \$1.10

62-14941

Trans. of la Chimica e l'Industria (Italy) 1953,
v. 35 [no. 1] p. 13-15.

DESCRIPTORS: Drugs, *Photosensitivity, *Skin,
Pigments, Plants, Inflammation, *Coumarin deriva-
tives, Sunburn, *Ultraviolet radiation.

Natural coumarins possess photodynamic properties
with certain concomitant pathologic aspects. Experi-
menting with a series of natural coumarins, the
Authors succeeded in establishing that these proper-
ties are primarily due to three furocoumarins: pso-
ralene, xanthoxin and bergapten. Among these
substances, psoralene is the most active one. (Author)
(Biological Sciences--Pharmacology, TT, v. 8, no. 11)

62-14941

I. Musajo, L.
II. Rodighiero, G.
III. Caporale, G.

Office of Technical Services

Sensitivity of the Lecorche-Jovinek Reaction of 1,2,3,4-
With Substituted Ethers Performed as Catalysts
Reaction, by M. Brundage, *ORIGINAL*

REALEAN, *Rev. Chim. e. Industr.*, Vol. XXIV, No. 3,
1953, pp 142-143.

CLASSIFIED

1953/10/10

Scientific - Chemistry

The Action of Fluorine on Anodic Processes in
Electrolysis Through Zinc, by Livio Cambi, Eugenio
Bertorelle. 18 pp.

ITALIAN, per, La. Chimica e L'Industria, Vol XXXV,
No 6, 1953, pp 397-402.

NIH

14,599

Scientific - Chemistry

June 54 CTS

Natta, G. and Pino, P.
A COMPARISON OF THE SYNTHESIS OF ESTERS
FROM ACETYLENE AND ETHYLENE BY REACTION
WITH CARBON MONOXIDE AND ALCOHOLS. Paper
presented at the Congress of Industrial Chemistry
(no. 23) Paris, Nov 51. [1962] [12]p. 8 refs.
Order from SLA \$1.60

62-20049

Trans. of [la] Chimica e [l]Industrial (Italy) 1952,
v. 34, p. 449-455.

DESCRIPTORS: *Esters, Synthesis (Chemistry),
*Acetylenes, Alcohols, Methanol, Carbon compounds,
Monoxides, Ethylenes, *Acrylic acid esters, *Fatty
acid esters, Ketones

In continuation of their studies of the reaction between
acetylene, carbon monoxide, and alcohols the authors
compare the synthesis of esters and diesters from
acetylene with the analogous synthesis of esters from
(Chemistry--Organic, TT, v. 9, no. 12) (over)

62-20049

I. Natta, G.
II. Pino, P.
III. Title: Congress...

Office of Technical Services

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9 pp.

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Vol XXXV, 1953, pp 926-930. *CI 953-4*

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ITALIAN, per, Chimica e Industria (Milan), 1954, pp 560.

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The Chlorination of Aliphatic Hydrocarbons
with Elementary Chlorine, by Carlo
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SEA TT-65-10179

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Materials, by Giovanna Torazza Zerbi, 10 pp.

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XXVI, No 12, 1954, pp 889-893.

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34-531

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Kinetics of Oxosynthesis, II., by G. Latta,
R. Ercoli, S. Castellano, 41 pp.

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1955, pp 6-38.

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COLORIMETRIC DETERMINATION OF NICOTINE.
[1962] 15p.
Order from K-H \$18.75 K-H 3596-a

Trans. of [la] Chimica e [l']Industria (Italy) 1955,
v. 37 [no. 2] p. 109-112.

DESCRIPTORS: *Nicotine, Determination, Colori-
metric analysis.

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

62-22585

- I. Morani, V.
- II. Giovannini, E.
- III. K-H-3596-a
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

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Paper Chromatography on a Rotating Disc,
by G. Caronna, 4 pp.

ITALIAY, per, Chimica e l'Industria,
Vol XXXVII, No 2, 1955, pp 113-114.

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Theoretical Criteria for Comparing the Activity of
Initiators and Mixtures of Initiators in Radical
Polymerization, by F. Danusso, 23 pp.

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pp 183-189.

SLA Tr 57-1324

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ISOTACTIC POLYMERS. 29p 15refs.
Order from SLA \$2.60

TT-64-16774

Trans. of La Chimica e l'Industria (Italy) 1955, v. 37,
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Other translations are available from OTS or ETC
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as K-H-5388 (29)p.
(Also published in Makromolekulare Chemie, 1955,
v. 16, no. 3, p. 213-237, as TT-64-16775).

(Chemistry--Organic, TT. v. 12, no. 4)

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I. Natta, G.

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Order from SLA \$1.10

TT-64-18512

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[no. 7] p. 541-545.

(Chemistry--Physical, TT, v. 12, no. 7)

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I. Riccoboni, L.
II. Tagliavini, G.
III. Arich, G.

Synthesis of Aldehydes at Room Temperature by
Reaction of Olefins, Dicobaltol-Octacarbonyl and
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hydrocarbons Containing Asymmetric Carbon Atoms
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9 pp.

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SEPARATION OF PHENOLIC ISOMERS. [1962] 16p.
Order from K-H \$20.00 K-H 6178

Trans. of la Chimica e l'Industria (Italy) 1955, v. 37,
[no. 12] p. 960-965.

DESCRIPTORS: *Molecular isomerism, Absorption,
Polymers, *Amides, *Chromatographic analysis,
*Phenols.

(Chemistry--Organic, TT, v. 8, no. 5)

62-17866

- I. Carelli, V.
- II. Liquori, A. M.
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- IV. Kresge-Hooker Science
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- V. Title: Chromatographic ...

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SIA Tr 1502/56

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1. Title: Isotactic polymers
1. Ciampa, G.

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Ciampa, Giuseppe.
CONTRIBUTION TO THE STUDY OF "ISOTACTICAL"
POLYPROPYLENE. 24 July 57 [21] p. 12 refs.
Order from SLA \$2.60

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Trans. of [la] Chimica e [l'] Industria (Italy) 1956, v. 38
[no. 4] p. 298-303.

DESCRIPTORS: *Propenes, Polymers, Polymerization,
Crystal structure

Measurements of the viscosity, osmotic pressure, and
density have been carried out on amorphous and
crystalline polypropylenes. Their solubility in dif-
ferent solvents has been examined. The course of the
molecular weights resulted (sic) congruous with that of
the intrinsic viscosity, independently of the particu-
larity of the structural order of the monomeric unit of
the polymers examined. (Author)

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Order from SLA \$1. 60

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Cyclohexanone Oxime by Photochemical
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Chloride and Other Nitrosating Products,
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Giuseppe Capraro, Ugo Giolitti
ITALIAN, per, la Chimica e l'Industria,
Vol 38, No 11, 1956, pp 932-937.
SLA TT-65-10180

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A. Vercellone, 4 pp.

ITALIAN, per, La Chimie e l'Industria, Vol XXIX,
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Order from SLA \$1.10 62-14202

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Another trans. is available from RIS \$16.00 as RIS rept. 96964 [17 Apr 59].

DESCRIPTORS: *Ethylenes, Polymerization, *Metal-organic compounds, Catalysis, *Catalysts, Titanium compounds.

For abstract see Technical Translations 2: 335, 1959.

(Engineering--Chemical, TT, v. 7, no. 9)

62-14202

- I. Natta, G.
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The Use of Dicyclopentadiene Derivatives of
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Polymerization Under Low Pressure, by G. Natta,
P. Pino, 3 pp.

ITALIAN, per, Chimica e l'Industria, Vol XXXIX,
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Quantitative Determination of Melamine by Precipitation With Cyanuric Acid, by L. Nebbia, F. Guerrieri, B. Pagani, 9 pp.

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Isotactic and Stereoblock Polymers of Propylene, by
G. Natta, G. Mazzanti, G. Crespi, G. Moraglio, 28 pp.

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isation Of Ethylene and Propylene by G. Natta and
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Alkyl Aluminum, by G. Mazzanti, A. Valvassori,
G. Pajaro,

ITALIAN, per, la Chimica e l'Industria, Vol
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23 pp.

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17p. (figs. omitted) 17 refs.
Order from SLA \$1.60

63-16473

Trans. of la Chimica e l'Industria (Italy) 1957, v. 39,
p. 832-841.

DESCRIPTORS: *Zinc compounds, *Oxides, *Pigments,
Industrial production, Physical properties, Air, Vapors,
Calcination, Anisotropy, Crystals.

The effect of the ratio air/zinc vapors on the physical
characteristics of the zinc oxide obtained according to
the French process was studied in a pilot plant. The
conditions were varied so as to obtain a range of
particles of dimensions of from 0.6 to 1.7 microns and
of nodular and stellar-acicular shapes. The effect of
(Materials--Paints, TT, v. 10, no. 7) (over)

63-16473

I. Scacciati, G.
II. Gondi, P.

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Tagliavini, Giuseppe.
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ETHYL LEAD, ETHYLENE CHLORIDE AND BRO-
MIDE IN ANTI-KNOCK MIXTURES. [1963] 10p
Order from K-11 \$10.00 K-11-7064

Trans. of [la] Chimica e l'Industria (Italy) 1957, v. 39,
no. 11, p. 902-904.

DESCRIPTORS: Mixtures, *Antiknock, *Bromides,
*Chlorides, *Ethylenes, *Ethyl radicals, Lead com-
pounds, Chemical analysis

(Chemistry--Analytical, TT, v. 10, no. 11)

63-22469

1. Title: Argentometric
determination
2. Title: Tetraethyl lead
- I. Tagliavini, G.
- II. K-11-7064
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Detroit, Mich.

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Kinetics of Propylene Polymerization With Highly
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Overall Kinetics of Polymerization Process, by
G. Natta, I. Pasquon, E. Giachetti, 20 pp.

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SLA 59-15512

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Nature of the Period of Increasing Polymerization
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21 pp.

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