ENCYCLOPAEDIA CHIMICA INTERNATIONALIS

(Cumulative Index Chemicus)

INTRODUCTION

The six-volume ENCYCLOPAEDIA CHEMICA INTERNATIONALIS consists essentially of a complete reprinting of the issues 1 through 42 of Index Chemicus, bound together with all three volumes of the Biennial Cumulative Indexes to this material. Many friends and present or prospective subscribers have long urged us to make available in book form, suitable for reference use, the complete set covered by the Cumulative Biennial Indexes, since many of the early issues became unavailable as they went out of print and were fast becoming collectors' items.

The ENCYCLOPAEDIA contains molecular formulae, structural diagrams and complete bibliographical references for well over 160,000 newly synthesized or newly isolated chemical compounds, – all those reported in the world chemical literature during both 1960 and 1961, as well as a considerable portion of the early 1962 literature. Each of these compounds is made easily accessible for reference through the very complete and multi-faceted indexing process: the molecular formula index permits the reader to refer directly not only to the article number, but also to the compound number within the article. The author index lists alphabetically all authors, senior and junior, by article number. The journal index shows from which issues of which journals any specific compounds were indexed. The special ISI RotaForm index (yellow pages) offers a new dimension in generic searching as it groups together related metallo-organics and generally all compounds having any element in common, so that each compound can be found listed under any of the elements composing it: many generic searches for otherwise difficultly accessible compound classes are now feasible by skillful use of the RotaForm index. Detailed explanations and instructions precede each individual index.

The contents of the six volumes are as follows:

VOLUME ONE -	Molecular Formula Index
	Author and Journal Index
	RotaForm Index
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VOLUME THREE	Articles 4619 - 7899
VOLUME FOUR	Articles 7900 - 10815
VOLUME FIVE	Articles 10816 - 14131
VOLUME SIX	Articles 14132 - 17099

In consulting the ENCYCLOPAEDIA, the page numbers in the center lower margin, preserved for technical reasons, may now be disregarded, using the article-number approach.

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Index Chemicus

FIRST BIENNIAL CUMULATIVE INDEX

ISSUES 1 TO 42

ARTICLE NUMBERS 1 TO 17099

MOLECULAR FORMULA INDEX
NEW CHEMICAL COMPOUNDS 1-01 TO 17099-13

Introduction

This first Biennial Cumulative Index covers the first 42 issues of the *Index Chemicus* representing 17,099 articles, 160,693 molecular formula index entries (approximately 180,000 compounds) and 49,407 authors. It therefore covers all 1960 publications plus virtually all of the world literature bearing 1961 dates as well as a small number of 1962 items. The journal index, which is bound separately, will help the reader to determine quickly the exact extent of coverage.

This biennial index obsoletes and replaces the three earlier cumulative indexes. However, since each abstract has a unique consecutive number, searching can be restricted to any period desired. If you wish to search only the material published after the third cumulative index, you need only check abstract numbers higher than 11222. If you wish to limit your search to issue No. 42, for which no separate index was issued, only abstracts numbered higher than 16734 need to be consulted.

Each column in the molecular formula index is numbered. There are 776 columns in this two year cumulation. Page numbers are also provided.

The new format of this cumulation is quite different than that used in the semi-monthly issues of the *Index Chemicus*. The computer program was written to reduce the size of the index making it possible to include the maximum number of compounds on a single page while retaining the convenience of indented headings. An IBM 7090-1401 computer complex was employed in the preparation of this index. The molecular formula index is supplemented by a new rotated molecular formula index, the RotaForm Index, which has been issued separately. There is also a separate biennial cumulative author and journal index. Additional details on the RotaForm, author and journal indexes are provided in the introduction to those issues. The RotaForm Index provides a new, generic approach to the conventional formula index. Any reader interested in further details on the methods of compiling these indexes is encouraged to request copies of papers we have prepared on those methods.(1)

The abstract-compound numbers pertaining to those molecular formulas which were provided or corrected by the author after the publication of the corresponding abstract in the *Index Chemicus*, are preceded by @ (meaning addition: compound originally not indexed) or * (meaning correction: compound originally indexed under erroneous molecular formula). For greater clarity and convenience, the molecular formulas appear at the left hand side of the columns, followed by one or more periods, followed by the compound's address which consists of the abstract number and the

line number. Furthermore, the C-H headings have been indented. When a C-H grouping is continued in the next column, its heading is repeated at the top of that column except if the break occurs in the middle of the addresses for a particular molecular formula (see e.g. top line in column 50).

A hyphen (-) separates a compound number from its abstract number. Commas (,) separate compound numbers appearing in the same abstract, as e.g. in top line, column 51. Diagonal lines (/) separate abstract numbers. The last address for any molecular formula is never followed by a (/) or (-) or (,) and the appearance of any punctuation mark at the end of a line implies that additional addresses for that formula will follow in the next line, column, or page.

Eugene Garfield, Ph.D.
Editor

(1) E. Garfield: *Generic Searching by Use of Rotated Formula Indexes. Abstracts of Papers, 141st Meeting Am. Chem. Soc., p. 8–G. See also J. Chem. Documentation, in press.*

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BR N6 O7 PT.....8934-2
CL N6 O7 PT.....8934-1
CL2 N5 O3 PT.....9728-7
I N6 O7 PT......8934-3
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C2 H16

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B9 N.....8240-1/14631-1
CL2 CO N5 O12.....271-1
CO N5 O6........13126-7
I N7 O6 PT......8933-23
```

C2 H18

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B10..218-2/219-2/7043-2,
      3/7063-1,3,4/7064-
      1
B10 O...........559-2
B10 S...........14634-10
CO N7 O8........6695-3
CO2 N8 O10......13146-5
CO2 N10 O12.....13148-3
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C2 H20

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B10 S...........14634-14
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C2 H 1

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CL7 SI2.........14197-6
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C3

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AS F9...........578-2
AS F9 S3........3452-8
AS N3 S3........3173-12
BR CL2 F2.......4821-6
BR CL2 F3 O.....12287-12
BR F7....8295-2/14433-10
BR F7 HG........8295-9
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C_3 (CONTINUED)


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BR F7 N2 O......15276-3
BR2 F6..........3640-4
BR2 F9 P........3523-5
BR2 K N3 O3.....4819-3
BR4 F4..........12846-4
BR4 O3 PT2......4440-4
CL F2 N3........7199-8
CL F5...........1965-8
CL F6 I.....1.193-4,5
CL F6 N O.6165-1,5/9712-
      1/14345-2
CL F6 N O2......14345-3
CL F7 HG........14759-1
CL F7 N2 O......15276-2
CL F7 O3 S......11195-19
CL F11 S.......10098-8,9
CL2 F N3........7199-9
CL2 F4..........1965-4
CL2 F5 N O.....6165-2,6/
      9712-2
CL2 F6..........1965-9
CL2 K N3 O3.....4819-2
CL2 N3 O3.......4819-1
CL2 O S2........3614-2
CL3 F2..........4821-5
CL3 F6 N3.......15507-1
CL3 N3..........10273-6
CL4.............10778-4
CL4 S2..........3614-1
CO N3 NA SE3....15786-13
CO NA3 O9.......7204-1
CO2 CS6 N6 O21...13146-4
D4 O4...........8636-8
F3 N O3 S2......7303-41
F3 N3...........7199-7
F5 N............2513-3
F6..............10513-1
F6 N2 O3.......13527-3,4
F6 O3 S..2314-4/7303-12,
      20/14343-2,4
F6 O6 S2.......7303-17,18
F6 S............11214-1
F6 S3...........11214-14
F7 I.....8295-1/10538-1/
      14433-3
F7 N..7856-1,2/9712-9,10
F7 N O.2591-2/6165-9,10/
      16401-3
F7 N3 O3........15276-1
F8 N2...........16705-2
F9 O3 S.........11194-1
F9 N.....7856-3/16705-1
F9 N O..........14820-2
F9 P............578-3
F9 P S3.........3452-5
FE N NA O4......2200-4
FE O10 S2.......10453-3
HF6 N O.........5023-5
K3 N O10 S2.....15244-6
LA2 O9..........13167-1
MN O10 S2.......10453-2
N3 NA NI SE3....15786-10
N3 O P S3.......3173-1
N3 P S3.........3173-5
N3 P S4.........3173-2
```

C3 H1

```
AG2 N3 O2.......3098-6
B N3 NA S3......11426-1
BR CL F3 O2.....12287-1
BR F6...........3640-3
CL F4 O.........12985-1
CL F6...........3640-2
CL F6 S.........8609-4
CL N2 O2.......3129-7,8
CL3 F2..........1965-4
CL5 F2..........1965-5
CL5 O...........1713-9
D2 N O2........15656-3
F O.............1131-21
F3.........4408-14/13778-4
F5.......4136-10/4408-20
F5 S............16875-5
F7.1965-7/3640-1/4408-9/
      8295-3
F7 N2...........16873-20
F7 O3 S.........14366-2
F7 S............8609-1
N3 S3 SN........11062-3
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C_3H_2

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AG N3 O2.......3098-7,15
BR CL2 F.......9586-5,8
BR CL2 HG I.....9199-13
BR CL2 I........9199-6
BR CL3 F2.......4821-4
BR CL3 HG.....9199-10,14
BR F O3.........224-4
BR N O..........4305-1
BR N3 O2........10273-2
BR2 CL2 F N O2.....5-17
BR2 CL3 N O2......5-16
BR2 N4 O8......15394-2
BR2 O3.........224-3
CL F3 O.........3938-12
CL F5 N2.....16873-17,21
CL N O..........7501-1
CL N3 O2.......10273-1
CL2 F4 O S.....7356-8
CL2 F4 S.......8503-18
CL2 N4 O8.....10214-12/
      15394-8
CL2 O3.........13274-1
CL3 F..........2897-5
CL3 F2 I........1965-1
CL3 HG I.......9199-12
CL3 I..........9199-5
CL3 N3 O2......4802-3
CL4............2897-6
CL4 HG...9199-11/13097-5
CL6 O..........1713-1
CO K4 N3 O S2.....2416-1
D N O2.........15656-1
D4 O...........11462-2
F2 O2..........1131-6
F4 O...........14344-5
F4 O S.........16875-1
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C_3H_3

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B CL3 N.........2260-3
B F4 N4 O S.....12891-12
B F4 N4 S.......12891-10
B F4 N4 S2......12891-18
B3 N6...........7892-3
B3 N6 O3........2698-11
B3 N6 S3.2698-4/3173-13/
      7892-2
BA F4 O4 P......2619-15
BA O4 P.........1620-11
BR CL F O2......12308-3
BR CL F3 N2.....15270-12
BR CL2 HG.......9199-9
BR CL3 N O3.....9715-3
BR F4...........14347-17
BR F4 N2........15270-6
BR2 CL2 F.......9586-3
BR2 F O.........13079-25
CA F4 O4 P......2619-17
CE O6...........14601-2
CL F3 N3 O2.....15270-8
CL F4...........14347-16
CL F4 N2..15270-5/16873-
      16
CL F4 O3 S......14347-7
CL N2 O3........10944-3
CL N4...........9949-7
CL O............9459-1
CL O6 TI........13835-24
CL O6 ZR........13835-27
CL2 F....2139-3/2897-2,7
CL2 F O2........12308-2
CL2 F3 N2.......15270-9
CL2 HG I........9199-8
CL2 I...........9199-4
CL2 N A O2......1895-1
CL2 N O3........10877-4
CL3 FZ..........2897-4
CL3 F4 O TI.....12359-1
CL3 HG..........433-3
CL3 O...........2313-9
CL3 O3..........1713-11
CL4 F...........2897-3
CL4 N O..7614-20/9912-10
CL4 N2 O3.......9715-2
D4 N O2.........10191-2
F2 N O2.........1082-2
F3 HG O2 S......3452-11
F3 N2 O4 S......7303-58
F3 O3...........13695-1
F3 O4 S...2231-6/7303-30
F4 I............14347-18
F4 N3 O2........15270-1
F5..4136-3/4408-5/14347-
      15
F5 N2...........16873-10
F5 N2 O.........15400-1
F5 O S..........7356-3
F5 S.....8503-5/8609-19/
      10097-11
I N2............9949-6
I N2 S..........12891-24
I S2............4901-3
I3 N3...........14741-5
K3 N3 O3 RE.....16836-3
LA O6...........14601-1
N.10995-2/11385-8/11685-
      1/12963-4/13025-
      43/13028-10/14606-2/
      14610-3/15633-8/16886-8
N O..1456-1/8868-2/9459-
      2/12042-5/13532-9
N O2 S....7769-1/13006-8
N O3............16398-2
N3 O S..........10144-1
N3 O2 S.........9579-5
N3 O3.....127-5/10273-5
N3 O4...........4804-4
N3 S2.....8329-1/10144-2
N7 O............1981-6
NA O2...........7122-7
ND O6...........14601-4
O3..............15254-1
O6 PR...........14601-3
O6 SM...........14601-5
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C3 H4.13778-1/15284-2

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AG N O2.........2737-4
BA N O4 P.1620-18/4898-3
BA O11 U........10561-4
BR CL2 F.......2139-1,2
BR D O2.........612-2
BR D5 S.........15850-8
BR F O..........13079-24
BR F3 HG O......9206-14
BR F3 O.........1799-1
BR HG N3 O6.....11851-2
BR I............9199-1
BR N O..........4305-2
BR2.............9199-3
BR2 CL2.........13185-8
BR2 F N O.......10163-7
BR2 F2 O........1799-3
BR2 O.....2320-1/2439-3
CL F HG O2......9206-12
CL F O S........11172-8
CL F O3.........12308-1
CL F3 HG O......9206-13
CL F3 N2..15270-7/16873-
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C_3H_4 (CONTINUED)


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CL F3 N2 O......15270-35
CL F3 S.........8609-7
CL F5 S........10097-3
CL HG I.........9199-7
CL HG N3 O6.....11851-1
CL I............9199-2
CL N O....5232-1/13993-1
CL N O4........10944-2
CL N3 S........5366-4
CL2 F N O2......5-18
CL2 F4 SI......6914-23
CL2 N P........15510-1
CL2 O.....927-1/17072-1
CL2 O S........9568-1
CL2 O2 S.......6923-6
CL3 F..........2897-1
CL3 F3 GE......14217-9
CL3 N O........9951-1
CL3 N O S2.....284-2
CL3 N S........7076-17
CL4 O..........1713-6
CL4 SI.........2900-7
CL5 F4 O SB....12359-8
CL6 HG3 S3.....6010-34
CS N O8 SU.....10554-3
CU2 O2 S.......11191-4
F2 O S.........11172-2
F2 O4 S...3954-1/10211-2
F3 N O2........14820-7
F3 N3 O.......15270-30
F3 N3 O3......15270-34
F4.............4136-2
F4 N2..........16873-9
F4 N2 O........16882-5
F4 O2..........14344-27
F5 N...........14347-29
HG I N3 O6.....11851-3
I2.............7879-5
K N O8 SU......10554-2
K N3 O6........16251-1
K2 O11 U.......10561-3
LI N O2........2737-3
N..............15657-1,8,9
N NA O2........5147-7
N NA O3........5147-5
N2.....12408-9/15196-3
N2 O.....4804-1/6937-2,3
N2 O S.........3349-1
N2 O S2........10843-9
N2 O2..........9060-2
N2 O2 S........8701-1
N2 O2 S2......10843-13
N2 S...........2139-1
N2 S2.....9304-3/10843-1
N2 S3.....4005-2/7305-4
N4 O S....3855-6/13405-1
N4 O2..........10273-4
N4 O3..........14112-34
N4 O3 S2.......6959-7
N4 O4 S........7669-2
N4 O8...12634-6/12847-7/
      15394-1
NA2 O11 U......10561-2
O S.....12494-1/16059-1
O2.....12856-4/12965-1
O2 S.....10331-3/15227-1
O3.....10593-2/12621-1
O4.........8733-1/9001-6
S3.......6010-31/13797-1
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C_3H_5

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AG N2 O3 S.....794-15
AG3 O2 S2......9105-3
AS CL2 O2......9717-5
AS O3..........8008-1
B BR CL3 O2.....3272-12
B CL3 N........2279-5
B F2...........7868-6
B F4 O2....1709-1/4334-1
BA F2 O4 P.....2619-7
BR CL2.....2445-1/8601-1
BR CL2 O2 SE....16987-10
BR CL3 HG N.....9199-16
BR F2 O.........1799-6
BR F2 SE........6818-4
BR N2 O4........10214-2
BR O2..........5576-1
BR2 N O2.......8348-1,3
BR2 N O3.......6045-5
BR3 SI.........16114-11
CA CL F O4 P....2619-12
CA F2 O4 P.....2619-9
CL.............10995-5
CL F N O2......11348-6
CL F3 O P S.....3452-9
CL HG..........6292-1
CL HG O2.......16318-8
CL HG O2 S.....11191-6
CL N2 O4.......10214-1
CL O2....2742-4/6111-15/
      13136-1
CL O2 S........10331-2
CL O3 S........10394-3
CL O5..........9329-1,2
CL O5 S........16091-1
CL O5 S2.......6923-5
CL2 F O2 SE....16987-11
CL2 N O........5826-1
CL2 N O S......7076-1
CL2 N O2.......3129-5
CL2 N O3......10944-9
CL2 O P..4037-2/13828-11
CL2 O2 P.......2005-3
CL3 F O2 P.....11115-3
CL3 GE.........14217-12
CL3 N2 O3......16966-7
CL3 O2 S.......6923-7
CL3 O2 S2.....13273-2
CL3 O2 SN....13835-14
CL3 O2 TH.....13835-9
CL3 O2 TI.....13835-1
CL3 O2 ZR.....13835-5
CL3 SI....2487-6/6323-12
CL4 O P........8486-8
CL5 O TI.......10690-2
CL5 SI.........2900-6
CL11 P2........8486-2
CU I N.........2270-2
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C_3H_4 (CONTINUED)

C3 H5 (CONTINUED)

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D O.............11462-1
D O3............612-3
D3 GE...........14217-5
F O.............8094-1
F O3............189-3
F2 N O2........11348-1
F3 N2..........15270-14
F3 N2 O.15276-5/16873-12
F3 O...........15270-38
F3 O SI........12611-15
F3 S...........8609-11,12
F3 S2..........3451-6
F4 N...........14347-21
F4 O4 P........2619-13
F5 S...........10097-9,10
HG I...........8280-1
I..............3210-5
I O2...........13244-1
I O S2.........4222-20
N O..1084-3/4327-1/8133-
      2/8756-1,2/14178-
      2/15287-3/15735-3/
      16405-2/16406-1
N O2......1300-1/9431-1/
      11544-5/12334-15
N O2 S2........14757-1
N O3.....5147-1/7318-1/
      15469-10
N O4...........1527-1
N O5...........340-1
N S2...........12643-1
N2 O3 P........10833-9
N3.............9949-4
N3 O2..........4802-2
N3 O6....15491-1/16251-6
N3 S....9541-13/10922-8/
      10923-2,8,23
N3 S2..........9402-4
N5.............11698-14
N5 O.....1981-5/8329-16/
      9587-4/14033-3/
      14296-20,21
N5 O2.....1981-10/9579-3
N5 O3..........3384-7
N5 P...........1620-2
O6 P...........7505-1
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C_3H_6

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AS F3...........578-1
B CL O2..1416-1/13515-6,
      12039-1/12804-
      1/15289-1
B CL3 O2........16490-1
B F5 O..........8215-4
B F6 P..........364-1
B N O...........1007-1
BA N O5 P.1620-13/4898-4
BR CL O.........5956-1
BR N5 O3........3384-33
CD N2 O5.....16851-13,16
CL CU N2 O3.....15523-10
CL F3 SN...4555-3/6871-1
CL F5 S........10097-2
CL N...........12027-2
CL N O....5826-3/7107-7/
      7614-7
CL N O2........2737-5
CL N O3....8344-7/9715-1
CL N3 O2......16415-10
CL N4 O3.......3384-3
CL2 HG N2 O S....15529-1
CL2 N RE S2....7044-2
CL2 N2.........8844-6
CL2 O..........17072-2
CL2 O2 SE......16987-7
CL2 PT.........9185-1
CL2 SI....6177-1/6914-22
CL3 GA O.......212-1
CL3 MO O4......3506-3
CL3 O P........4037-1
CL3 O2 P.......8486-4
CL4 O TI.......1619-1
CL4 SI.....157-1/6323-1
CL6 GE2.......11167-11
CL6 SI2.......2487-13
D F O..........9777-3
D2 O...........16709-3
F N O2....189-2/1235-1/
      1529-1/12340-7/
      15185-7
F3 N O.........15276-11
F3 N S.........3451-4
HG I2 N2 O S....15529-2
HG N4..........15732-6
N NA O4 S......4625-1
N NA O5 S......7612-1
N O4 P...1620-9/8202-1,5
N2..8083-1/8133-1/12903-
      7/15801-7
N2 O.2026-1/2737-2/8422-
      19/9846-2/10789-2/
      12286-9/15540-1
N2 O2..........15540-2
N2 O4.....340-2/15567-58
N2 O5..........8348-2
N2 S.......2101-2/14069-3
N2 S2..........7581-3
N4.......9537-2/16141-27/
      16517-13
N4 O2...3384-5,6/13691-2
N4 O3 S........1932-8
N4 O6..........17059-9
N4 S.....3788-20/4706-4/
      5859-2/9304-1,8/
      10922-1,13/15418-2/
      16449-11
N4 S2.....7305-1/14845-2
N6.......1981-4/11698-11
N6 O...........1981-9
N6 O4 S2.......9964-32
O.7575-2/8782-1/10310-1/
      11462-3/12797-2/
      12967-15/16879-7
O S......2437-5/2975-53/
      11479-4/14703-1/
      15931-3/16248-1
O S2.....8842-2/9105-1
O2.9365-1/10310-3/16709-
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O2 S.....4293-2/12835-5
O2 SE.....13728-9
O3.9001-4/13696-1/13839-
3
O3 S...10331-1/10394-2,5
O3 S T2.....15777-3
O3 SE.....5954-2
O4.....16711-1
O4 S.....2494-15/10394-4
O4 S2.....14782-8
O5 S.....12452-1
O6 S2.....6923-8
O7 S2.....6923-9
S.....11586-1/16248-5
S SE.....16388-4
S2.....14139-32
S3.....4665-4

C_3H_7

AS CL N.....4003-7
AS O5.....9717-2
B BR2.....6328-4
B F2.....7868-5
B O2.....3272-14
BA N2 O5 P.....4961-1
BA O6 P.....1386-5
BR F O2 P.....11115-2
BR HG.....359-7/6172-15/
17002-5
BR2 HG N O.....13343-1
CL F O4 P.....2619-11
CL HG.....359-2/6172-3/
14818-1
CL HG O.....6627-2
CL HG S.....11308-27
CL N O2 P.....15496-1
CL N2 O..10789-1/16415-9
CL N2 O3.....16966-6
CL O S.....11597-1
CL O2 S.....7376-1
CL O2 SN.....3571-1
CL O2 TI.....3951-1
CL O3 S...1290-2/6787-4/
9938-4
CL S2.....3105-9/15931-8
CL S1.....386-2
CL2 O2 P.....7569-3
CL3 GE.....14217-8
CL3 I N.....15015-1
CL3 O TI...3951-2/8169-3
CL3 SI.....157-2
CU N2 O2 S.....15523-8
D O.....9777-2
D3 GE.....14217-2
F O.....9777-1
F O3 S.....9938-2
F2 O P S.....957-1
F2 O4 P.....2619-5
F3 GE.....14217-3
F3 SI..12611-13/16587-19
F4 N O ZR.....3488-21
HG N O S.....8093-14
I S.....3688-3
K O4 S.....5845-2
N.....4422-1
N O.....6484-1/14695-1
N O S.....10911-12
N O2.....4353-11/5826-2/
10699-2/10855-6/
14607-8/14787-3
N O2 S..9327-2/16186-14/
16946-2
N O3.....198-18/10855-3/
11544-3/12363-10/
16074-6
N O5 S3.....10573-1
N O6 S.....8959-1
N S.....6484-3
N SE2.....12199-8
N SI.....12611-28
N3.9833-3/10788-2/16446-
23
N3 O.....9565-1/9833-7/
14971-9
N3 O S.....10923-19
N3 O2.....9359-1
N4 O4.....3384-6
N5.....14033-10,11
N5 O3...3384-18/14514-11
N7.....8329-8/11698-13
O2 P S.....1060-3
O3 P.....16149-14
O4 P.....676-3
O5 P.....6828-6
O5 P S.....12374-1,2
O6 P.....5326-1

C_3H_8

BR N O2 S.....16186-25
BR P S.....15855-7
CL N O2 S.....16186-7,41
CL O P.....15856-5
CL O P S.....12217-4
CL O2 P.....5529-2/9116-2
CL2 N O P.....7568-3
CL2 N2...6711-19/15869-4
CL2 N3 O2 P.....8184-2
CL2 SI.....6914-21
CL4 N2 O4 SN.....8439-4
F N O.....2611-2
F O2 P.....1666-15
GE.....14217-4
HG N2 S.....864-3
HG2 S.....375-5
I O3 P.....14340-5
N O5 P.....1620-4/8202-2
N SI.....7225-2
N2.....10269-1/12903-3
N2 O S.....16453-1
N2 O2...142-3/620-1/9653-
2,4,9/10789-3/
17048-15
N2 O3...16932-24/16966-2
N2 O3 S.1932-13/13567-5,
7
N2 O4 S.....1636-20

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C3 H8 (CONTINUED)

N2 O8 S U.....10554-1
N2 S.....2725-4/3780-22/
14042-1,30
N2 S2.....12643-2
N4 O.....9537-5/14971-3,4
N4 O2.....3384-8/4802-1/
16626-6
N4 S3.....7305-3
N6 S3.....4705-1
NA O3 P.....3666-2
O SI.....3951-8/4838-8
O2 S2..9909-7,8/13273-12
O3.....14151-1/16618-2,3
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