

Erratum: "Heat Capacity of Liquids. Critical Review and Recommended Values. Volumes I and II."

[J. Phys. Chem. Ref. Data, Monograph No. 6 (1996)]

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The errata are arranged in the format shown below and are listed as found according to successive pages in the 1996 Monograph No.6. After the page number for specific erratum, there is information provided which indicates the location on the specific erratum on a given page, such as: number and name of table, reference squib, compound name or other pertinent information. If a given error occurs on more than one page, the page numbers are listed for occurrence of each error in a block of consecutive lines. Next, the erratum appears as it is found in the publication; thereafter one finds the correction. The last line offers a comment or explanation about the erratum. © 2001 by the U.S. Secretary of Commerce on behalf of the United States. All rights reserved.

Erratum Format	
Page Number(s)	Table/Name/Reference/etc.
Incorrect	(as it appears in the publication)
Correct	(as it should appear)
[Comment about the error]	

Specific Errata

16 TABLE 4. Adiabatic batch calorimeters with continuous heating

Incorrect 51POP/GAL 300–1000 K medium
64VAS2203–423 K 0.50 %

Correct 51POP/GAL 300–1000 K medium
64VAS2 203–423 K 0.5%

[error in format of lines]

17 TABLE 4. Isoperibol batch calorimeters

Incorrect 56MUR/VAN

Correct 58MUR/VAN

[error in year of journal; see also page 56]

17 TABLE 4. Isoperibol batch calorimeters

570 TABLE 14.4.1. Experimental heat capacities (2x)
570 TABLE 14.4.2. Correlated heat capacities
571 TABLE 14.5.1. Experimental heat capacities (2x)
572 TABLE 14.5.2. Correlated heat capacities
Incorrect 76GIE/WOL
Correct 76GEI/WOL
[spelling error in reference squib; see also page 63]

17 TABLE 4. Isoperibol flow calorimeters

68 7. References (right column)

333 TABLE 11.13.1. Experimental heat capacities

363 TABLE 11.32.1. Experimental heat capacities (2x)

371 TABLE 11.38.1. Experimental heat capacities

425 TABLE 12.7.1. Experimental heat capacities (2x)

435 TABLE 12.19.1. Experimental heat capacities

566 TABLE 14.3.1. Experimental heat capacities (2x)

567 TABLE 14.3.1. Experimental heat capacities (3x)

576 TABLE 14.11.1. Experimental heat capacities

969 TABLE 42.2.1. Experimental heat capacities (2x)

976 TABLE 42.5.1. Experimental heat capacities (2x)

982 TABLE 42.9.1. Experimental heat capacities

992 TABLE 42.13.1. Experimental heat capacities

998 TABLE 42.17.1. Experimental heat capacities

1001 TABLE 42.18.1. Experimental heat capacities

1423 TABLE 62.24.1. Experimental heat capacities

1487 TABLE 63.1.1. Experimental heat capacities

Incorrect 85OGA

Correct 85OGA/MUR

[reference squib error]

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- 17 TABLE 4. Isoperibol flow calorimeters
 Incorrect 87LAN/CRI high medium
 Correct 87LAN/CRI high medium high pressure
 (up to 20 MPa)
 [note is missing]
- 56 7. References (left column)
 Incorrect 56MCE/MAL ...from: Walker B. E., Jr., ...Ind.
 Eng. Chem., Chem. Eng. Data Ser. **3**, 280–282
 (1958).
 Correct 56MCE/MAL ...from: Walker B. E., Jr., ...Chem.
 Eng. Data Ser. **3**, 280–282 (1958).
 [error in name of journal]
- 56 7. References (left column)
 Incorrect 56MUR/VAN J. Chem. Eng. Data **3**,
 65–71 (1956).
 Correct 58MUR/VAN Chem. Eng. Data Ser. **3**,
 65–71 (1958).
 [errors in squib, name, and year of journal; *see* also page 17]
- 57 7. References (left column)
 Incorrect 58WAL/BRO Ind. Eng. Chem., Chem. Eng.
 Data Ser. **3**, 280–282 (1958).
 Correct 58WAL/BRO Chem. Eng. Data Ser. **3**,
 280-282 (1958).
 [error in name of journal]
- 57 7. References (right column)
 Incorrect 61ROURousseau R. A.,
 Correct 61ROU Rousseau R. A.,
 [typographical error]
- 59 7. References (left column)
 Incorrect 66LIN/ZIE Lin K. F., Ziegler W. T.,
 Correct 66LIU/ZIE Liu K. F., Ziegler W. T.,
 [error in squib and name; *see* also page 1412]
- 63 7. References (right column)
 Incorrect 76GIE/WOL Giepel G., Wolf G.,
 Correct 76GEI/WOL Geipel G., Wolf G.,
 [error in squib and name]
- 69 7. References (right column)
 Incorrect 87LAN/CRI **16**, 885–(1987).
 Correct 87LAN/CRI **16**, 885–906 (1987).
 [last page entry was missing]
- 95 Formula Index of Compounds
 $C_6H_{10}O_4$ [111-55-7]
 155 Name Index of Compounds (right column,
 26th line)
 157 Name Index of Compounds (right column,
 4th line)
 1182 $C_6H_{10}O_4$ [111-55-7]
 Incorrect 1,2-Ethanediyyl diacetate
 Correct 1,2-Ethanediol diacetate
 [error in compound name]
- 106 Formula Index of Compounds
 $C_8H_{14}O_4$ [123-80-8]
 155 Name Index of Compounds (right column,
 28th line)
 157 Name Index of Compounds (right column,
 9th line)
 1201 $C_8H_{14}O_4$ [123-80-8]
 Incorrect 1,2-Ethanediyyl dipropionate
 Correct 1,2-Ethanediol dipropionate
 [error in compound name]
- 118 Formula Index of Compounds
 $C_{13}H_{24}$ [unknown]
 478 2-Methyl-1,1'-bicyclohexyl $C_{13}H_{24}$
 Incorrect CAS-RN: unknown
 Correct CAS-RN: 66324-47-8
 [CAS-RN was found]
 121 Formula Index of Compounds
 $C_{16}H_{28}$ [unknown]
 495 1-Cyclohexyloctahydro-3-methyl-1*H*-indene
 $C_{16}H_{28}$
 Incorrect CAS-RN: unknown
 Correct CAS-RN: 2320-05-0
 [CAS-RN was found]
- 121 Formula Index of Compounds
 $C_{17}H_{17}NSi$ [18387-12-7]
 Incorrect $C_{17}H_{17}NSi$
 Correct $C_7H_{17}NSi$
 [error in formula; entry belongs on page 103; *see* also page
 1540]
- 189 Name Index of Compounds
 (left column, 2nd line)
 Incorrect Trimethylenedicyanide
 Correct Trimethylene dicyanide
 [error in compound name]
- 325 TABLE 11.9.1. Experimental heat capacities
 Incorrect (note below table is missing)
 Correct 87CZA same data in 88CZA1 and 88CZA2
 [note was placed incorrect below TABLE 12.9.1.; *see* also
 page 429]
- 376 TABLE 11.41.2. Correlated heat capacities
 Incorrect 86GAT/WOO
 Correct 86GAT/WOO
 [typographical error]
- 429 TABLE 12.9.1. Experimental heat capacities
 Incorrect 73HAL/SMI same data in 88CZA1 and 88CZA2
 Correct
 [no note is needed below TABLE 12.9.1]
- 800 1,1,2-Trichloro-1,2-difluoroethane
 CAS-RN 354-15-4
 Incorrect (data errors are presented in TABLES 25.18.3.,
 25.18.4., and 25.18.5.)

- Correct (corrected data for TABLES 25.18.3. and 25.18.5. appears in Heat Capacity of Liquids, Supplement 1.)
[in the original article 92LEB/KUL1, units of C_p were omitted; we assumed $J K^{-1} mol^{-1}$, but the dimensionless unit C_p/R was used]
- 860 TABLE 32.2.1. Experimental heat capacities
Incorrect (header over TABLE 32.2.1 is missing)
Correct Name: Acetonitrile CAS-RN: 75-05-8
Formula: C_2H_3N Group No.: 32-002
Molar Mass: 41.05
[typographical error]
- 1087 TABLE 43.8.1. Experimental heat capacities
Incorrect Reference 29KEL4
Calorimeter Reference 29KEL1
Correct Reference 80FUC
Calorimeter Reference 80FUC
[error in references]
- 1182 TABLE 45.27.1. Experimental heat capacities (2nd line)
Incorrect Reference 71HAL/BAL
Calorimeter Type BDHT
Calorimeter Reference 71DU/COM
Correct Reference 79FUC
Calorimeter Type BSIO
Calorimeter Reference 79FUC
[errors in references and type of calorimeter]
- 1182 TABLE 45.27.2. Correlated heat capacities
Incorrect Rejected data 71HAL/BAL
Correct Rejected data 79FUC
[error in reference]
- 1217 TABLE 45.76.1. Experimental heat capacities (2nd line)
- Incorrect 86RAB/NOV Purity not specified
Correct 86RAB/NOV Purity 99.9 melpt
[purity omitted]
- 1229 header over TABLE 45.98.1. Experimental heat capacities
Incorrect Name: Decyl acetate CAS-RN: 112-17-4
Formula: $C_{12}H_{24}O_2$ Group No.: 45-098
Molar Mass: 200.32
Correct Name: Dodecyl acetate CAS-RN: 112-66-3
Formula: $C_{14}H_{28}O_2$ Group No.: none
Molar Mass: 228.37
[erroneous name of compound in original article 91DES/PAT]
- 1412 TABLE 62.7.1. Experimental heat capacities
Incorrect Reference 66LIN/ZIE
Note 66LIN/ZIE
Correct Reference 66LIU/ZIE
Note 66LIU/ZIE
[error in squib; see also page 59]
- 1540 1-[2-(Trimethylsilyl)ethyl]aziridine [18387-12-7]
Incorrect Formula: $C_{17}H_{17}NSi$ Group No.: 71-043
Molar Mass: 263.41
Correct Formula: $C_7H_{17}NSi$ Group No.: 71-043
Molar Mass: 143.41
[error in formula of compound; see also next errata]
- 1540 TABLE 71.43.3 Parameters of regression polynomial
1541 TABLE 71.43.4 Recommended values of heat capacities
Incorrect (data errors in TABLES 71.43.3., and 71.43.4.)
Correct (corrected data for TABLE 71.43.3. appears in Heat Capacity of Liquids Supplement 1.)
[error in formula of compound resulted in data errors]