

# ADDITIONS AND CORRECTIONS

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**Jennie Moriarty, Howard Sidebottom,\* John Wenger,\* Abdelwahid Mellouki, and Georges Le Bras:** Kinetic Studies on the Reactions of Hydroxyl Radicals with Cyclic Ethers and Aliphatic Diethers

Two errors and one omission have been found in the original article.<sup>1</sup>

Page 1501: In Table 1, the reference compound used for 1,3-dioxepane was in fact (CH<sub>3</sub>)<sub>2</sub>CHOCH<sub>2</sub>CH<sub>2</sub>OH and not (CH<sub>3</sub>)<sub>2</sub>-CH(OH)CH<sub>2</sub>OCH<sub>3</sub>. The rate coefficient for reaction of OH with (CH<sub>3</sub>)<sub>2</sub>CHOCH<sub>2</sub>CH<sub>2</sub>OH (*k*<sub>5</sub>) was 21.0 × 10<sup>-12</sup> cm<sup>3</sup> molecule<sup>-1</sup> s<sup>-1</sup>, as reported by Porter et al.<sup>2</sup> The reported value of *k*<sub>4</sub>/*k*<sub>5</sub> for 1,3-dioxepane, 0.58 ± 0.04, is correct. The correct entry for 1,3-dioxepane in Table 1 is the following:

ether	reference compound	<i>k</i> <sub>4</sub> / <i>k</i> <sub>5</sub> <sup>a</sup>
1,3-dioxepane	(CH <sub>3</sub> ) <sub>2</sub> CHOCH <sub>2</sub> CH <sub>2</sub> OH	0.58 ± 0.04

<sup>a</sup> Errors are twice the standard deviation and represent precision only.

Page 1501: In Table 2, the rate coefficients quoted for 1,3-dioxepane are incorrect and should be (12.2 ± 0.9) × 10<sup>-12</sup> and (13.9 ± 0.4) × 10<sup>-12</sup> cm<sup>3</sup> molecule<sup>-1</sup> s<sup>-1</sup> for relative rate and PLP-LIF measurements, respectively. The rate coefficients obtained for oxepane were inadvertently omitted from Table 2 and are (18.4 ± 1.4) × 10<sup>-12</sup> and (18.7 ± 0.2) × 10<sup>-12</sup> cm<sup>3</sup> molecule<sup>-1</sup> s<sup>-1</sup> for relative rate and PLP-LIF measurements, respectively. The correct entries for oxepane and 1,3-dioxepane in Table 2 are the following:

ether	<i>k</i> <sup>a</sup>	technique <sup>b</sup>	reference
oxepane	18.4 ± 1.4	RR	this work
	18.7 ± 0.2	PLP-LIF	this work
1,3-dioxepane	12.2 ± 0.9	RR	this work
	13.9 ± 0.4	PLP-LIF	this work

<sup>a</sup> Units are 10<sup>-12</sup> cm<sup>3</sup> molecule<sup>-1</sup> s<sup>-1</sup>. Errors are twice the standard deviation and represent precision only. <sup>b</sup> RR, relative rate; PLP-LIF, pulsed laser photolysis-laser induced fluorescence.

These changes only affect the data reported in Tables 1 and 2 on page 1501 and do not alter the discussion and interpretation of the results.

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## References and Notes

- (1) Moriarty, J.; Sidebottom, H.; Wenger, J.; Mellouki, A.; Le Bras, G. *J. Phys. Chem. A* **2003**, *107*, 1499–1505.
- (2) Porter, E.; Wenger, J.; Treacy, J.; Sidebottom, H.; Mellouki, A.; Téton, S.; Le Bras, G. *J. Phys. Chem. A* **1997**, *101*, 5770–5775.