

IUPAC Task Group on Atmospheric Chemical Kinetic Data Evaluation – Data Sheet ROO_35

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This datasheet last evaluated: May 2020; last change in preferred values: May 2020

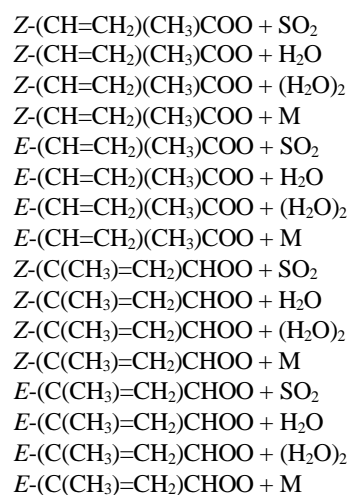
Reactions of Criegee intermediates

The kinetics data previously summarised in this data sheet have been superseded by information provided in the data sheets listed below.

Reaction ID	Reaction
<i>Reactions of CH₂OO</i>	
CGI_1	CH ₂ OO + SO ₂
CGI_2	CH ₂ OO + NO ₂
CGI_3	CH ₂ OO + NO
CGI_4	CH ₂ OO + H ₂ O
	CH ₂ OO + (H ₂ O) ₂
CGI_5	CH ₂ OO + CH ₂ OO
CGI_6	CH ₂ OO + I
CGI_7	CH ₂ OO + CH ₃ C(O)H
CGI_8	CH ₂ OO + CH ₃ C(O)CH ₃
CGI_9	CH ₂ OO + CF ₃ C(O)CF ₃
CGI_11	CH ₂ OO + HC(O)OH
CGI_10	CH ₂ OO + CH ₃ C(O)OH
CGI_23	CH ₂ OO + CF ₃ C(O)OH
CGI_12	CH ₂ OO + M
<i>Reactions of Z- and E-CH₃CHOO</i>	
CGI_15	Z-CH ₃ CHOO + SO ₂
	E-CH ₃ CHOO + SO ₂
CGI_16	Z-CH ₃ CHOO + H ₂ O
	E-CH ₃ CHOO + H ₂ O
	Z-CH ₃ CHOO + (H ₂ O) ₂
	E-CH ₃ CHOO + (H ₂ O) ₂
CGI_17	Z-CH ₃ CHOO + NO ₂
	E-CH ₃ CHOO + NO ₂
CGI_26	Z-CH ₃ CHOO + HC(O)OH
	E-CH ₃ CHOO + HC(O)OH
CGI_27	Z-CH ₃ CHOO + CH ₃ C(O)OH
	E-CH ₃ CHOO + CH ₃ C(O)OH
CGI_13	Z-CH ₃ CHOO + M
	E-CH ₃ CHOO + M
<i>Reactions of (CH₃)₂COO</i>	
CGI_18	(CH ₃) ₂ COO + SO ₂
CGI_19	(CH ₃) ₂ COO + H ₂ O
	(CH ₃) ₂ COO + (H ₂ O) ₂
CGI_20	(CH ₃) ₂ COO + NO ₂
CGI_28	(CH ₃) ₂ COO + HC(O)OH
CGI_29	(CH ₃) ₂ COO + CH ₃ C(O)OH
CGI_24	(CH ₃) ₂ COO + CF ₃ C(O)OH
CGI_14	(CH ₃) ₂ COO + M

Reactions of C₄intermediates from isoprene

CGI_21



CGI_25

