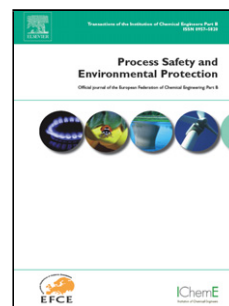


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Title: A Study of the Probability Distribution of Pool Fire Extinguishing Times using Water Mist

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Two kinds of extinguishing situation of pool fire by water mist were observed. In one, the flames had not yet been suppressed when the fire was extinguished via a blowoff process.

The primary mechanism for fire extinguishment is flame cooling in the first situation. In the other one, the flame was first suppressed and then gradually reduced in size. The primary mechanism for fire extinguishment is fuel surface cooling in the second.

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