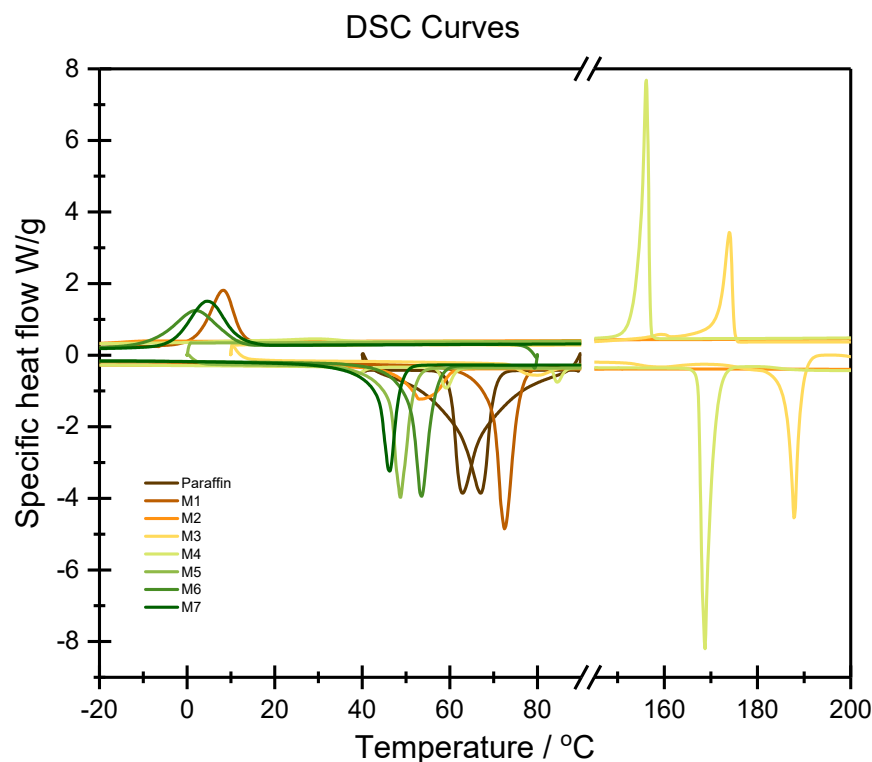


# Triazine Derivatives as Organic Phase Change Materials with Inherently Low Flammability

Zhuang Mao Png,<sup>‡</sup> Xiang Yun Debbie Soo,<sup>‡</sup> Ming Hui Chua, Pin Jin Ong, Jianwei Xu,<sup>\*</sup> Qiang Zhu<sup>\*</sup>

## 1 DSC Spectra



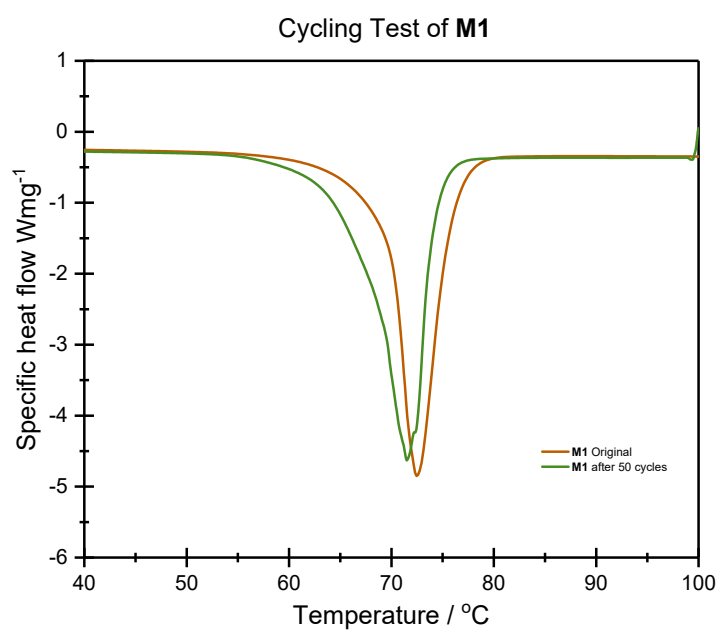
**Figure S1:** Melting and Freezing DSC spectra of M1 to M7 and paraffin.

## 2 Cycling Test of M1

**M1** was subjected to 50 cycles of melting (85 °C) and freezing (RT). The DSC measurements were taken every 10 cycles.

**Table S1:** DSC results of M1 after repeated cycles of melting and freezing

Number of cycles	Temperature (peak) / °C	$\Delta H$ / Jg <sup>-1</sup>
Original	73.5	150.9
10 x	71.2	149.1
20 x	69.9	151.2
30 x	67.6	149.6
40 x	67.1	149.9
50 x	67.2	149.5



**Figure S2:** DSC of **M1** at the beginning and after 50 melting and freezing cycles.

### 3 Proton and Carbon NMRs

