Supporting Material for

Reactive Molecular Dynamics Simulation of Solid Nitromethane Impact on (010) Surfaces Induced and Non-impact Thermo Decomposition

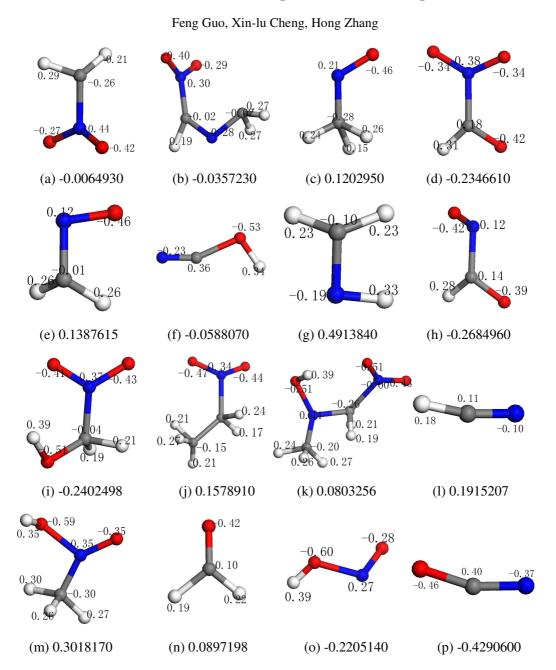


Figure 1. A part of intermediates observed in early time in simulations, the C atoms are indicated in gray, the H in white, O in red, and N in blue. Charges of every atom are labeled near the atoms, and total charge of every fragment is labeled under the intermediate.

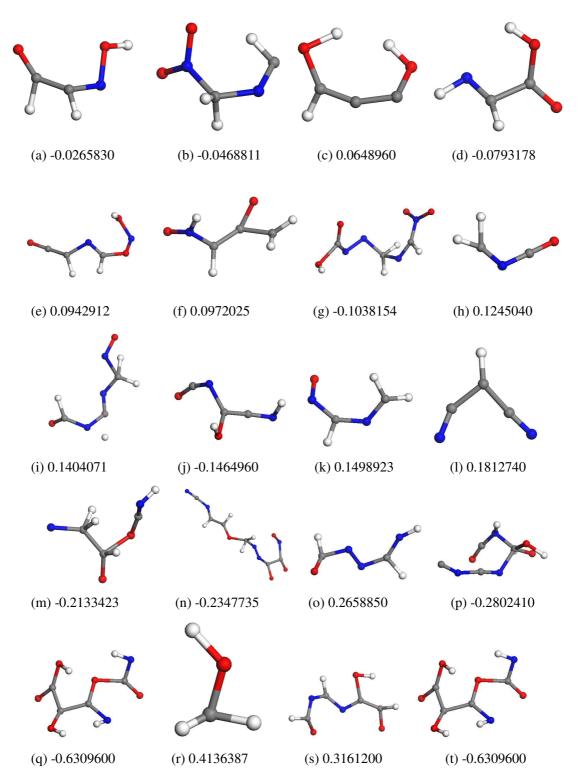


Figure 2. A part of C-N-O chain structures observed in simulation times about 20.0 ps. Total charges is labeled under each molecular fragment. As simulation increase, these fragments formed larger clusters step by step.