

Can stearic acid be heated to become liquid? Is it safe or what temperature should I avoid?

When heating the stearic acid, do I need to mix H_2O ?

Solution

Stearic acid $C_{17}H_{35}COOH$ is a liquid at temperatures ranging from 69.6°C (melting point) to 376.1°C (boiling point).

Accordingly, the stearic acid may be safely heated to boiling point.

It should not be mixed with water, since this acid is not soluble in water.

Answer: Yes, stearic acid can be heated to become liquid. Mixing with water is not required