



## Instructions

The heat pad has been shipped in a solid condition. This is done to avoid damage. To return to a ready state, just follow the instructions printed on the pack.

When recycling the heat pad, you do not need to wrap it up in a towel if you use a double boiler or a pot with a strainer-type insert such as a pasta pot. The problem is that the heat pad is denser than water and sinks immediately to the bottom of the pan. The pan bottom will then be hot enough to melt the vinyl package. Any method to keep the heat pad off the bottom of the pan is acceptable.

## Resources

Conceptual Physics Teacher Lab and Student Notes: <https://www.arborsci.com/blogs/cool-labs/lab-23-5-heat-warming-by-freezing>

## Related Products

**Experiencing Supercooled Crystallization (P3-1020)** This fascinating hands-on experiment utilizes a heat pad to visually demonstrate crystallization and the subsequent release of latent heat. Contains twelve 3" x 3" pouches, one 7.5" x 7.5" pouch, 600g of sodium acetate, and the instruction manual.

**Sodium Acetate Trihydrate 500 g (P3-1015-03)** Experiment with creating your own heat pack. Sodium Acetate Trihydrate is the active ingredient commonly found in heating pads and hand warmers.

**Drinking Bird (P3-5001)** Known as the Drinking Bird, Drinking/Dunking Bird, Drinking Happy Bird or even a Dippy Bird. Whatever you call this loveable little drinking bird toy it is back and disguised as a great physics demonstration of heat and thermodynamics.