

sci.chem: Re: How do you calculate the specific heat of an alloy?

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From: Uncle Al (UncleAl0_at_hate.spam.net)

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jalbers@bsu.edu wrote:

>

- > *How can the specific heat of a metal alloy be calculated, if the*
- > *percentages of the different metals contained in the alloy are known*
- > *and the specific heats of the individual metals are known as well? Any*
- > *help would be greatly appreciated. Thank You*

Generally doesn't work that way unless it is a non-interacting physical mixture. Consider the electronic states that participate in Cp, then the colors of copper plus tin or zinc.

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Uncle Al

<http://www.mazepath.com/uncleal/>

(Toxic URL! Unsafe for children and most mammals)

<http://www.mazepath.com/uncleal/gz.pdf>