

Re: Harmless flame on my skin... how?

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- *From:* "number6" <snumber6@xxxxxxx>
 - *Date:* 2 Jan 2007 11:39:39 -0800
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a_ht wrote:

Hi,

Are there any burning material that produce a flame at very a low temperature (order of 0-35 degree celcius). I'm a looking for a material that I could but on my hands and set it on fire. The low burning temperature would prevent any damage to the skin..

Any suggestions?

I doubt if you can find a flame temperature lower than 120 degrees C or so ... with water a combustion product for any hydrocarbon/oxygen flame it appears to me that to sustain itself the water vapor would need to be somewhat above its boiling point ... and the flame somewhat above that ...

One can burn whiskey in the cup of ones palm without burning oneself not due to a low flame temperature but due to the evaporative cooling of the alcohol (the vapors burn not the liquid) ... I know from experience (wild and crazy college days nearly 40 years ago) ... that if you let that nice little pool of whiskey spill across your hand it will indeed flare and give some minor burning to your hand ... so one should make sure they know what they're doing ...