

Lattice Energy LLC

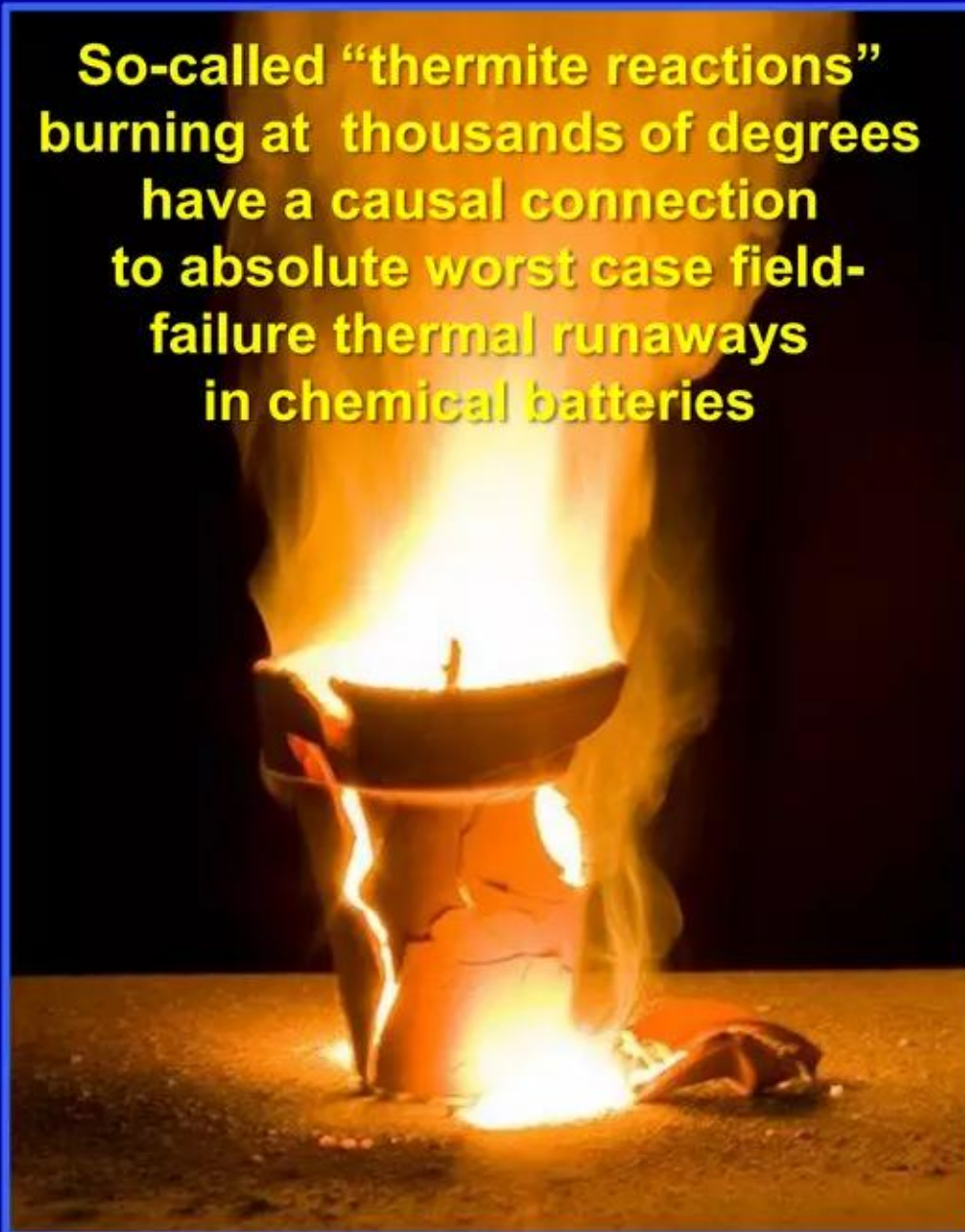
Thermite reactions are possible in Li-battery runaways

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Thermite reactions are involved in battery industry's dirty little secret: field-failures

Thermite and related reactions release enough heat to actually melt metals

So-called "thermite reactions" burning at thousands of degrees have a causal connection to absolute worst case field-failure thermal runaways in chemical batteries



<http://www.popsoci.com/node/30347>

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"I have learned to use the word 'impossible' with the greatest of caution."

Werner von Braun

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Example of a somewhat larger-scale thermite reaction spraying molten metal

An extreme type of runaway called a field-failure creates energetic microenvironments inside batteries; we refer to them somewhat ominously as The Devil's Cut



http://www.amazingrust.com/Experiments/how_to/Thermite.html