

Abstract Submitted
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A Molecular Predictor of Enthalpies of Vaporization JONATHAN
MITSCHLE, Retired — There is a proportional relationship between a molecule's
polarizability and its enthalpy of vaporization, with offsets reflecting contributions
from permanent dipoles, hydrogen bonding, and the effect of molecular shape. We
present the results of a survey of nearly 400 molecular substances and discuss the
conclusions one can draw from these results.

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