

TDI Emission Calculator: American Chemistry Council/Center for the Polyurethanes Industry



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The American Chemistry Council (“ACC”) referenced in a April 17th news release the availability of a Center for the Polyurethanes Industry TDI Emission Calculator (“TDI Calculator”).

The TDI Calculator is described as a “convenient method” to estimate TDI emissions from typical process activities.

ACC states the calculator has “built-in formulas” to estimate emissions for certain identified processes. The emission estimation algorithms utilized are stated to be from the United States Environmental Protection Agency (“EPA”) reporting guidance such as:

- Emission Inventory Improvement Program
- Emission Factors & AP 42

ACC further notes that when EPA guidance is unavailable for certain application or processes engineering calculations are used.

An emission factor is a representative value that attempts to relate the quantity of a pollutant released into the atmosphere associated with the release of that pollutant. Such factors may be used in equations to estimate emissions from a process where more specific data is not available.

A qualification provided for the TDI calculator states:

Due to the inherent uncertainty in emission estimates using modeling techniques, the numbers estimated in this tool may not accurately represent the exact amount TDI admission at your facility. If you have measured or monitoring data, use that first.

A copy of the news release can be found [here](#).