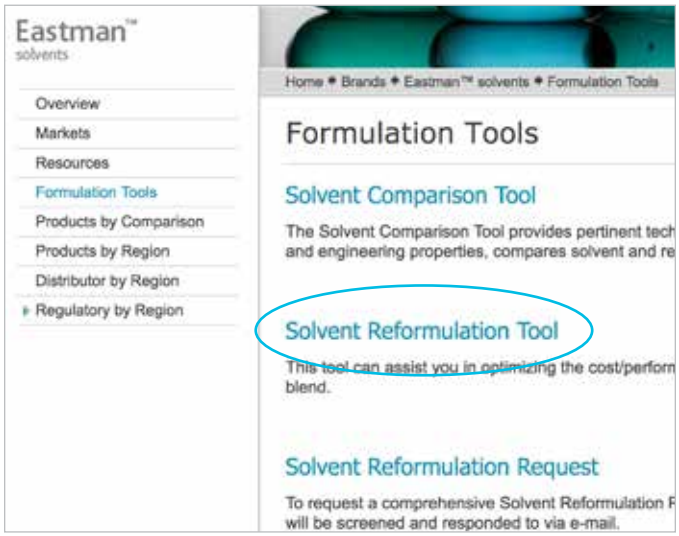
Eastman Solvent Reformulation Tool user guide

The **Eastman Solvent Reformulation Tool** can be a useful resource for formulators who have been tasked with solvent reformulation due to regulation, economics, or changes in product availability. Blend properties—such as relative evaporation rate (RER), Hansen solubility parameters (HSP), solvent viscosity, and others—are calculated and displayed to help you during reformulation. The tool also has other useful features that will be highlighted in this guide.

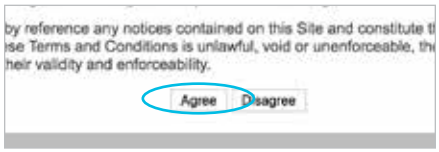
Getting started

You can access the home page for the tool by visiting **www.eastman.com/solventtools.**

Once you have navigated to the home page, click on the "Solvent Reformulation Tool" link.



You will be directed to a disclaimer page. Please review and click "Agree."



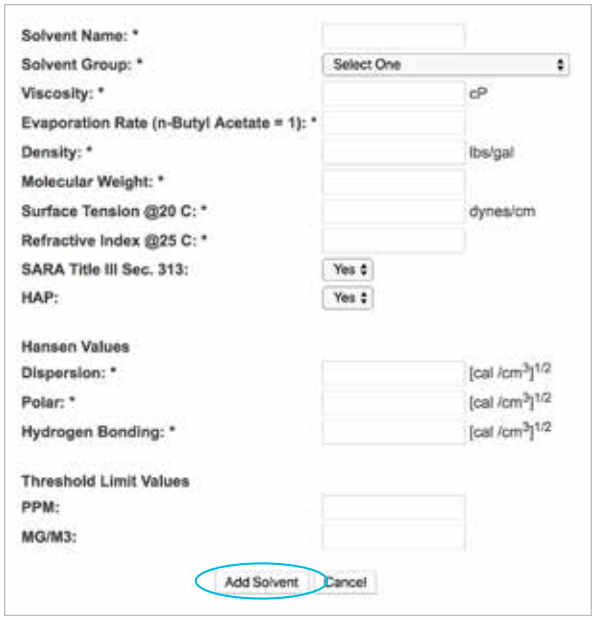
How to use the Solvent Reformulation Tool

Once you are on the solvent selection page, enter your current information by choosing the specific solvents in your blend in the "Solvent Group" drop-down.

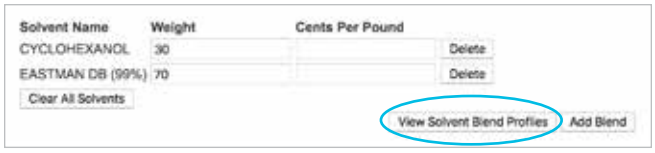
You can select multiple solvents and solvent functionalities to blend at once.

If the solvent you want to assess is not listed, you can add that solvent to the system by selecting "Add Unlisted Solvent."

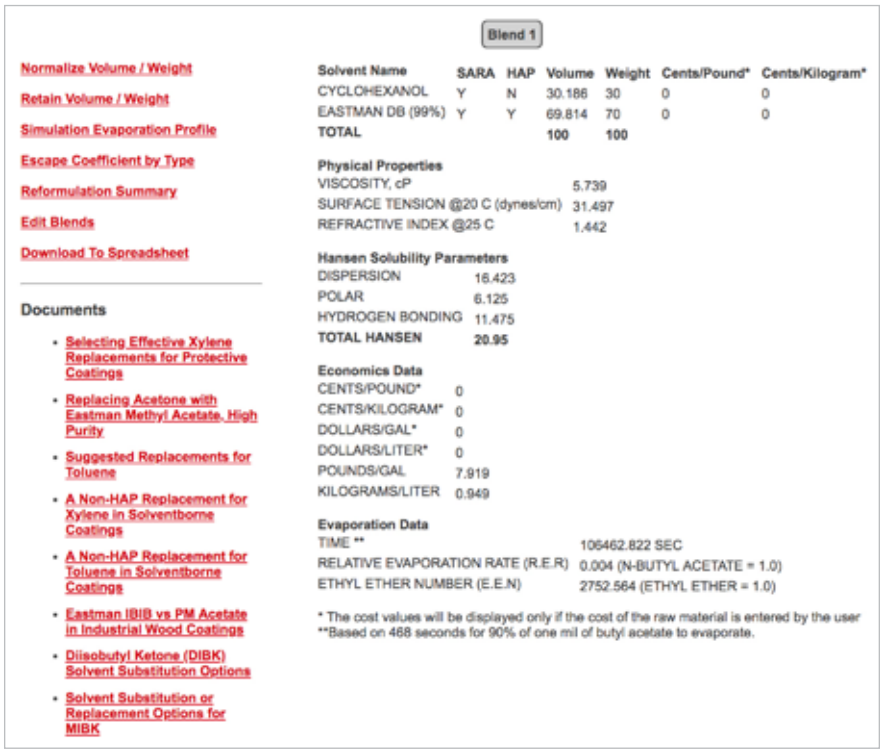
You will need to know pertinent information about that solvent to enter it into the system. Once you have filled in the necessary information, click "Add Solvent."



When you have made your selections and entered the ratio of each solvent, click "View Solvent Blend Profiles."



The following data table will appear which contains information about the blend



For more information on blend properties, you can click on one of these headings:

This will allow you to better understand blend evaporation as well as give you the option to export the blend to Excel.[a]

Clicking "Edit Blends" will take you to the following screen where you can choose to make "Weight" changes or "Delete" a solvent and select a new solvent to compare.

[a] *"Simulation Evaporation Profile" and "Escape Coefficient by Type" do not indicate the formation of an azeotrope.*

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Eastman Corporate Headquarters
P.O. Box 431
Kingsport, TN 37662-5280 U.S.A.

U.S.A. and Canada, 800-EASTMAN (800-327-8626)
Other Locations, +(1) 423-229-2000

www.eastman.com/locations

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