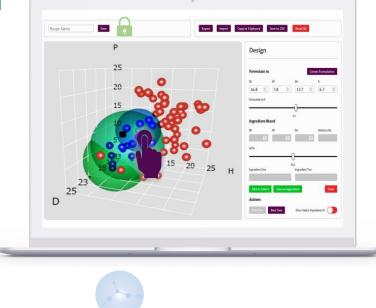
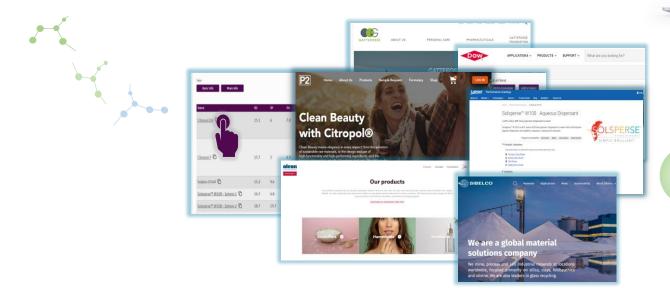
Web-apps PrediMatch and PrediMulsion: Science-based Formulation R&D

- Science-based formulation R&D of coatings, inks, personal and home care, ... = simplified via web-apps
- Sustainable use of HSP and HLD from commercial ingredients via our world's largest shared dataset
 PredictID
- Find 100x faster your matching, replacing and compatibilizing ingredients and narrow down formulation space a 10-fold!







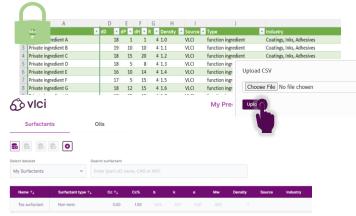
Web-apps PrediMatch and PrediMulsion: **Sustainable & Collaborative Formulation R&D**

o Collaborative upgrade; free HSP and HLD of selected ingredients by users, while suppliers adding any ingredient for free (and receive HSP/HLD). Already >16k ingredients, >100 types and >90 suppliers



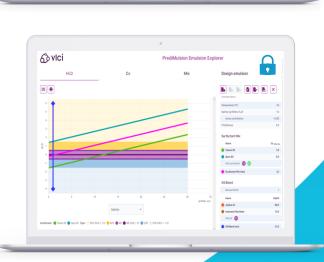


Privately upload your own HSP/HLD datasets











Web-app PrediMatch: Sustainable & Collaborative Formulation R&D

PrediMatch calculates best matching ingredients to formulate based on HSP distances to optimize performance

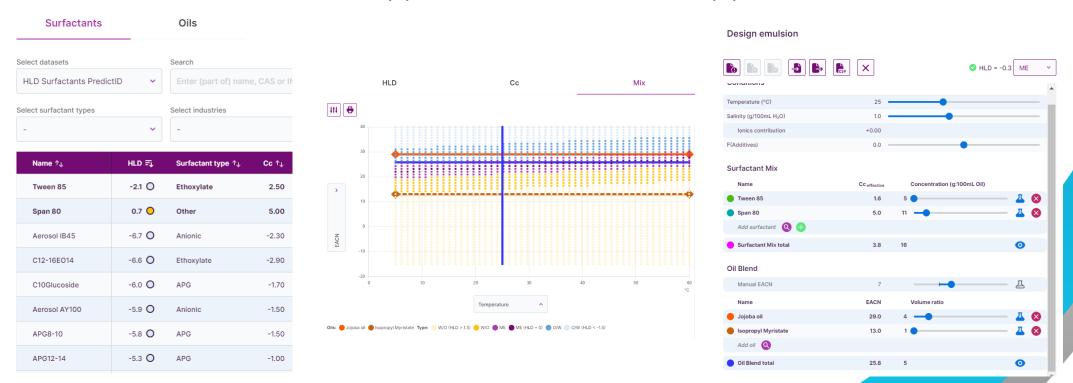




Web-app PrediMulsion: Science-based Formulation R&D

- By matching HLD of oils and surfactants in your emulsion, a minimal amount and number is needed to get the maximum performance!
- PrediMulsion calculates best matching ingredients based on HLD distance

$$HLD = F(S) - k.EACN - \alpha.\Delta T + Cc + f(A)$$





Science-based Formulation via webapps

- Using HSP and HLD maximizes overall performance of formulations
- o **Everyone can join with a license: privately formulate in minutes** via shared and private HSP/HLD datasets, **then experimentally validate**
- o **Formulators and ingredient suppliers** guiding the shared datasets; together we implement science-based formulation!
- o **Drastically save on:**
 - ✓ Time
 - ✓ Samples
 - ✓ Costs

