

# CLEANSCREEN

Powered by CHEMFORWARD

## Getting Started User Guide

### Overview



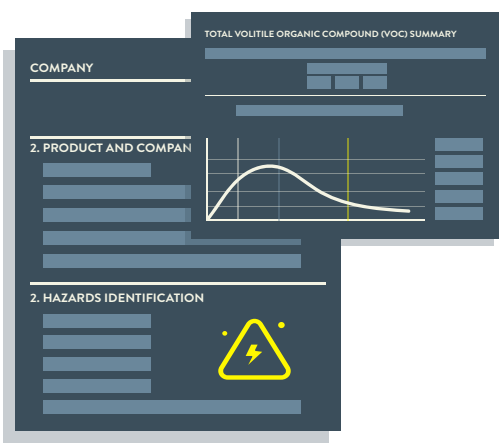
**CleanScreen** is a web application designed to help manufacturers formulate cleaning products that are safer for people and the environment.

The CleanScreen web application was created to support ChemWorks, an industry collaboration to accelerate the adoption of safer cleaners and degreasers used in electronics assembly. Cleaners and degreasers are one of the highest use materials in electronics assembly, which is why it is critical that they be as safe as possible in their formulation and usage.

CleanScreen is powered by ChemFORWARD's chemical optimization platform, a shared repository of comprehensive chemical hazard data created by toxicologists who use a globally recognized methodology to classify 24 human and environmental endpoints for each chemical. **All data is subject to peer review and continuous improvement.**

This trusted repository is the foundation for the formulation screening and the optimization tools.

## Before You Get Started



You will want to:

- A Have a current Safety Data Sheet (SDS)
- B Review the CleanScreen minimum restricted substances lists
  - Apple Regulated Substances Specification (RSS) Section 6
  - CEPN Priority Chemicals
  - GreenScreen Certified (™) for Cleaners and Degreasers
- C Ensure you have VOC testing results for the formulation

Now you are ready to get started!

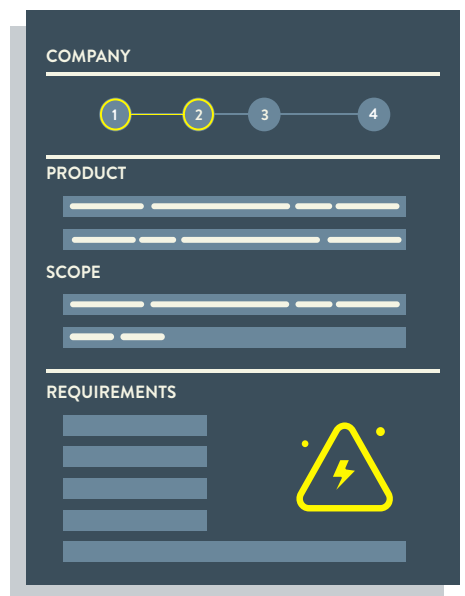
## Get Started



Click here to  
**Login to your account.**  
[www.fii.chemforward.org/auth/login](http://www.fii.chemforward.org/auth/login)

### 1. Create a formulation entry

- A Enter product information.
- B Confirm the product is in scope.
- C Confirm the product meets VOC and RSL requirements.
- D Examine your SDS (section 2) for hazard statement codes applied to the formulation. Indicate if any of the hazard codes match the screening hazard codes listed.



#### INGREDIENT HAZARD SCREENING

CAS#	CON. R.	ING. FUNC.	STATUS
_____	_____	_____	PASS <input type="checkbox"/>
_____	_____	_____	PASS <input type="checkbox"/>
_____	_____	_____	PASS <input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>

### 2. Ingredient screening

Enter all known ingredients using chemical name or CASRN, concentration ranges, and function.

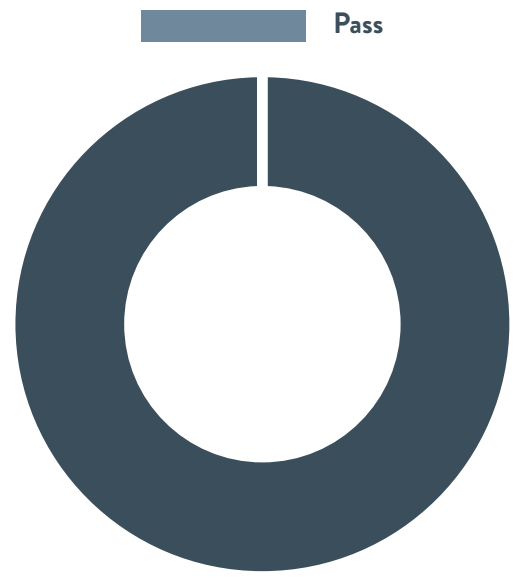
You will be able to redact identifiers in the final step if needed.

**Results will populate as each ingredient is entered.**

### 3. Review Formulation Results

Potential results and actions include:

- A **Pass:** Indicates that all ingredients meet CleanScreen safer cleaner criteria.  
**Action:** This product may be a good candidate for certification. Request introduction to an assessor to explore certification. **Click here to learn more about certification.**
- B **Fail:** One or more ingredients fail the safer cleaner criteria.  
**Action:** Request a code to acquire access to the ChemFORWARD chemical optimization platform to find safer alternatives and optimize the formulation.  
**This code will be emailed to you upon request, which can be used to get one year free access to the professional subscription of the platform.**
- C **CHA Needed:** One or more chemicals are lacking chemical hazard data.  
**Action:** Request a CHA. ChemFORWARD will follow up to scope out the chemical hazard assessment. Once started, results will take approximately 30-days.



PASS

**i** Pass

Formulation passes all ingredient and formulation criteria, and may be a good candidate for third-party certification.

[Explore Certification](#)

### 4. Reporting

- A **Print** (optional). Once results are complete, you may print a report to share internally and/or with potential customers.
- B **Redact** (if needed). Prior to printing the report, users can obscure formulation details with concentration ranges and have the option to redact one or more chemical names to protect confidential business information.

Contact [info@chemworks.org](mailto:info@chemworks.org)

to acquire log-in credentials for **CleanScreen** or to learn more about **Chemworks.org**.