

bluesign® TOOL User Manual

Version 1.0 | 2022-10

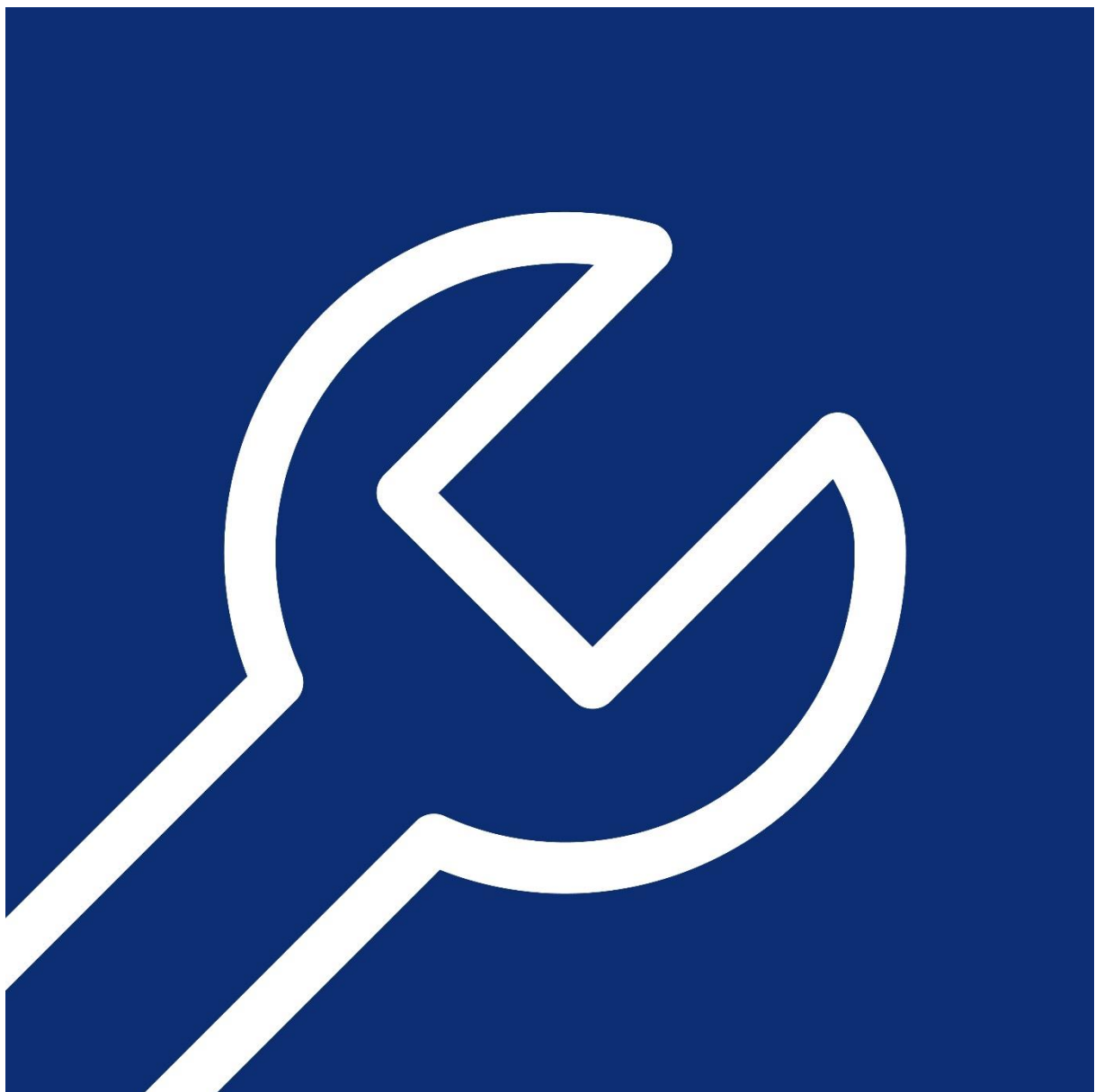


Table of contents

1	Document information	4
1.1	Purpose	4
1.2	Note on document	4
1.3	Disclaimer	4
2	Introduction to the bluesign® TOOL	5
2.1	What is the bluesign® TOOL?	5
2.2	Features and capabilities	5
3	User functions.....	7
3.1	Who can use the bluesign® TOOL?	7
3.2	Login & access to the bluesign® TOOL.....	7
3.3	bluesign® TOOL landing page.....	10
3.3.1	Announcements in the pop-up banner.....	11
3.3.2	Applications menu	13
3.3.3	My Lists	14
3.3.4	Search bar and filters	15
3.3.5	Legend	19
3.3.6	Product list	19
3.4	View a Product.....	22
3.4.1	Product header	23
3.4.2	Product details	27
3.4.3	Application details	28
3.4.4	Documents	33
3.4.5	Comments.....	34
3.5	Chemical assessment result.....	36
3.5.1	Module summary	37
3.5.2	Module details	39
3.5.3	Chemical assessment details	40
3.6	New Product	44
3.6.1	Product identification	44
3.6.2	Duplicate check.....	47
3.6.3	Categorization	48
3.6.4	Applications.....	49
3.7	Edit or Update a product	50
3.7.1	Product.....	51
3.7.2	Properties	55
3.7.3	Applications.....	58

3.7.4	Substances.....	62
3.7.5	GHS Classification	68
3.7.6	Environmental Data	72
3.7.7	Air Emission	76
3.7.8	Documents.....	79
3.7.9	Comments.....	81
3.7.10	Rate	84
3.8	Submit a product	86
3.9	Renew a product	87
3.10	Archive a product.....	87
3.11	Copy a product	89
3.12	Search a product.....	91
3.13	Updating migrated products.....	92
4	Bluesign® functions.....	93
4.1	Admin privileges	93
4.2	Review a submitted product	94
4.2.1	Reject a product.....	95
4.2.2	Complete a product	96
4.3	Renew a product	97
4.4	Rebrand a product.....	98
4.5	Hide a product	100
5	Annexes.....	103
5.1	Glossary.....	103
5.2	Other documents	104

1 Document information

1.1 Purpose

This user manual describes all functions of the bluesign® TOOL and provides information about the conventions governing the registration of chemical products.

The functions described cover both user functions as well as Bluesign-internal functions as described in the chemical product workflow (see Chapter 2.2).

Reading the document will help you to make the most of your user experience with the bluesign® TOOL.

A description of the methodology applied for the chemical assessment is not part of this document. The scientific background of the chemical assessment is described in detail in the bluesign® CRITERIA for chemical assessment.

Additional supporting documents are listed in the annex of this document (see Chapter 5.3)

1.2 Note on document

This document comes into effect on 2022-10. It replaces the *Guidelines on how to enter products with the bluetool*.

This document is subject to regular and unscheduled revisions.

1.3 Disclaimer

This document is a publication of bluesign technologies ag. It compiles requirements and guidelines for bluesign® SYSTEM PARTNERS on a particular subject or subjects and may not be an exhaustive treatment of such subject(s). Contents are not intended as a statement of legal requirements or as legal advice. This document is provided "as is". bluesign technologies ag expressly disclaims all implied warranties including, without limitation, warranties of merchantability, title, fitness for a particular purpose, non-infringement, security, and accuracy.

2 Introduction to the bluesign® TOOL

2.1 What is the bluesign® TOOL?



CHEMICAL ASSESSMENT

Enter your chemical products for registration, assessment and rating in the bluesign® TOOL

For chemical suppliers, the bluesign® TOOL is a concerted guide that helps chemical suppliers navigate through the bluesign® CHEMICAL ASSESSMENT procedure. The tool provides all the necessary information on the evaluation of products and processes. Once products are verified to be in compliance with the bluesign® CRITERIA by means of the bluesign® TOOL, they will be bluesign® APPROVED and made searchable in the bluesign® FINDER.

2.2 Features and capabilities

The following list is a short overview of some of the features and capabilities the bluesign® TOOL offers:

- Secure sign-in with Two-Factor Authentication
- Easy navigation between main applications of the bluesign® CUBE
- Search functions and filters to manage your chemical products
- Register chemical products to get a rating from Bluesign

The complete chemical product workflow in bluesign® TOOL is described in the image below. The individual elements and activities are described in detail in the following chapters.

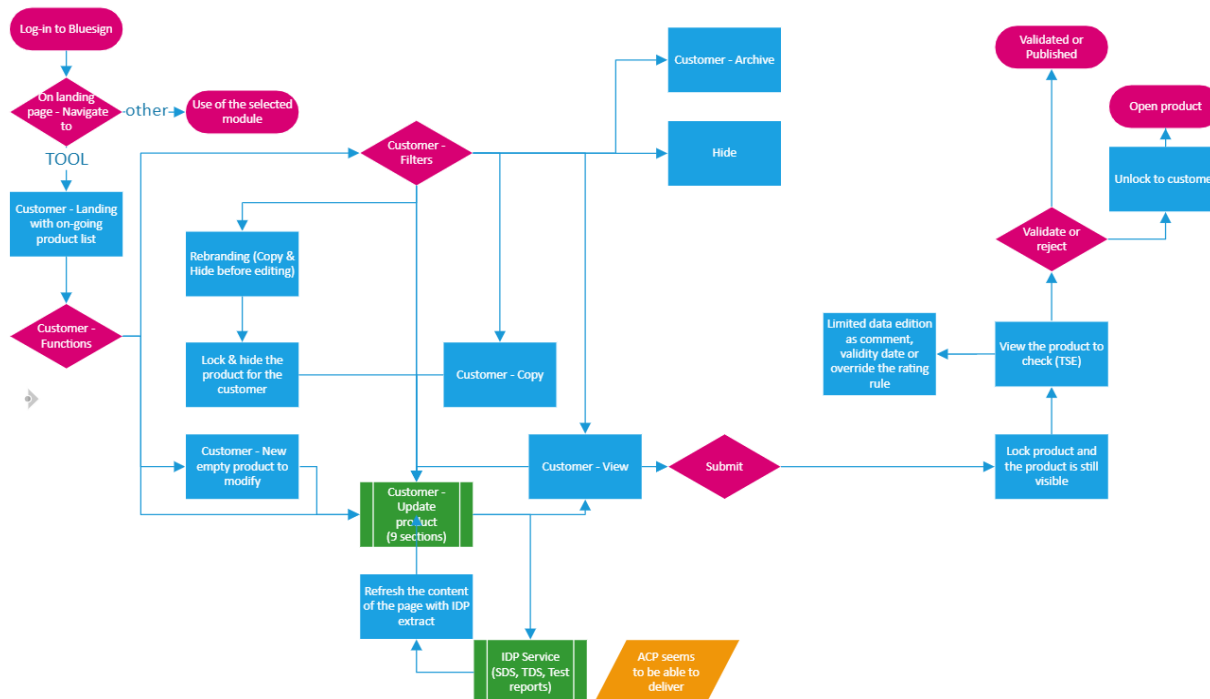


Figure 2.1: Complete chemical product workflow

3 User functions

Main users of the bluesign® TOOL are Product Stewardship Experts from the chemical industry and the chemical assessment experts from Bluesign.

The bluesign® TOOL is designed to support the registration of chemical products and to calculate a rating according to the bluesign® CRITERIA to establish if the submitted chemical product is bluesign® APPROVED.

3.1 Who can use the bluesign® TOOL?

Access to the bluesign® TOOL is only granted if the following preconditions are met:

- Chemical Supplier has a valid bluesign® SYSTEM PARTNER agreement
- Chemical Supplier has closed all relevant actions from the bluesign® ASSESSMENT

3.2 Login & access to the bluesign® TOOL

To log in to the bluesign® TOOL, go to:

<https://cube.bluesign.com>

This is the login of the bluesign® CUBE, the main entry point to Bluesign's digital services.

This service platform provides continuously growing and updated information, as well as applications and modular services. Digitalization brings new opportunities, and Bluesign's cloud-based integration will provide additional, far-reaching possibilities for the industry and its players in a new dimension.

The bluesign® TOOL is one module of the bluesign® CUBE.

Once you reach the login screen, enter your Username, Password, and Token.

Bluesign uses a two-factor authentication to ensure data protection. This means, in addition to your username and password, you must provide a 6-digit number generated from a hardware token or an app on your smartphone.

Username, password, and token have been provided to you separately from Bluesign's CRM Services.

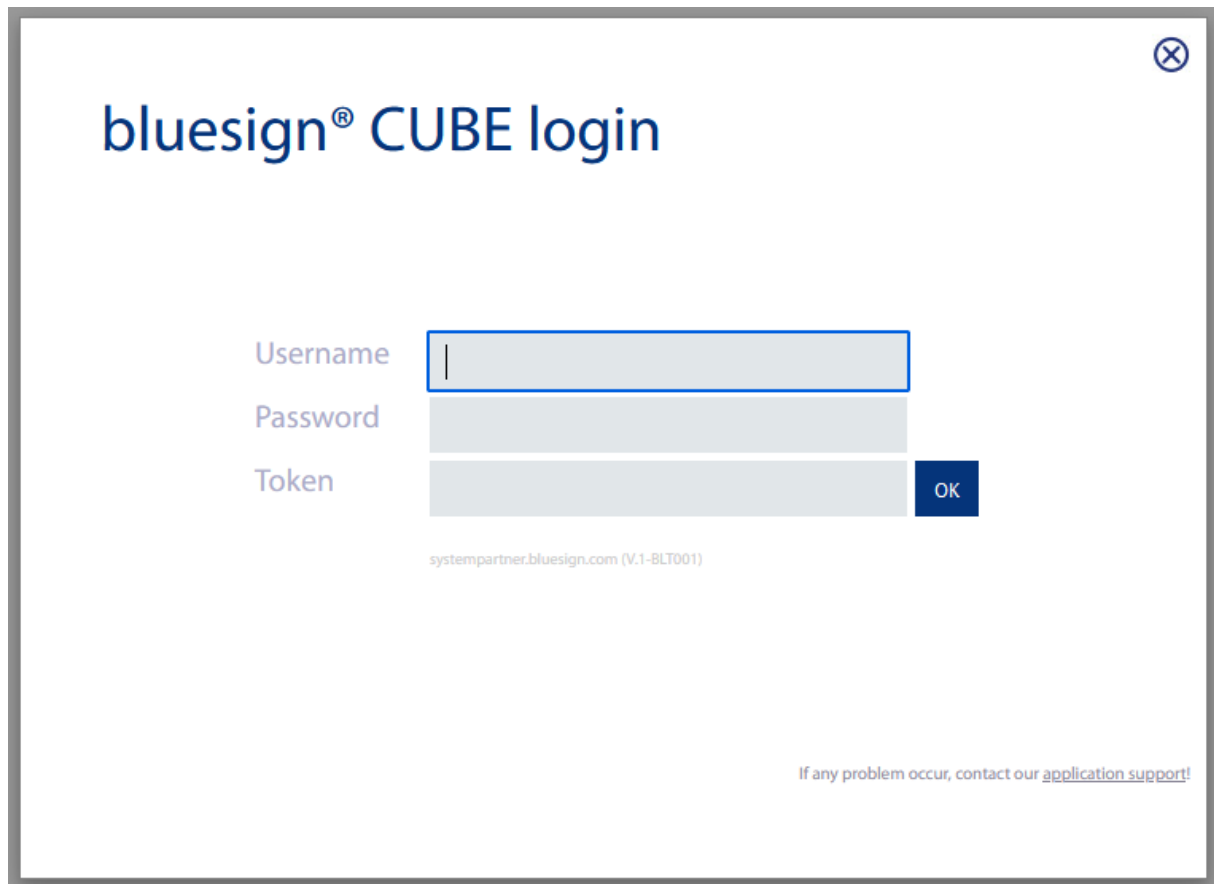
The image shows a login screen for bluesign® CUBE. At the top left, the text "bluesign® CUBE login" is displayed in a blue font. In the top right corner, there is a small blue square icon with a white 'X'. Below the title, there are three input fields: "Username", "Password", and "Token". The "Username" field is currently active, showing a vertical cursor. To the right of the "Token" field is a blue button with the text "OK" in white. Below the input fields, the text "systempartner.bluesign.com (V.1-BLT001)" is displayed in a small, light gray font. At the bottom right of the screen, there is a line of text: "If any problem occur, contact our [application support!](#)".

Figure 3.1: bluesign® CUBE login screen

After successful login you reach the landing page of the bluesign® CUBE. From here you can jump directly to the main applications, provided you have the correct access rights.

If you have questions about other applications, contact your Bluesign sales representative.

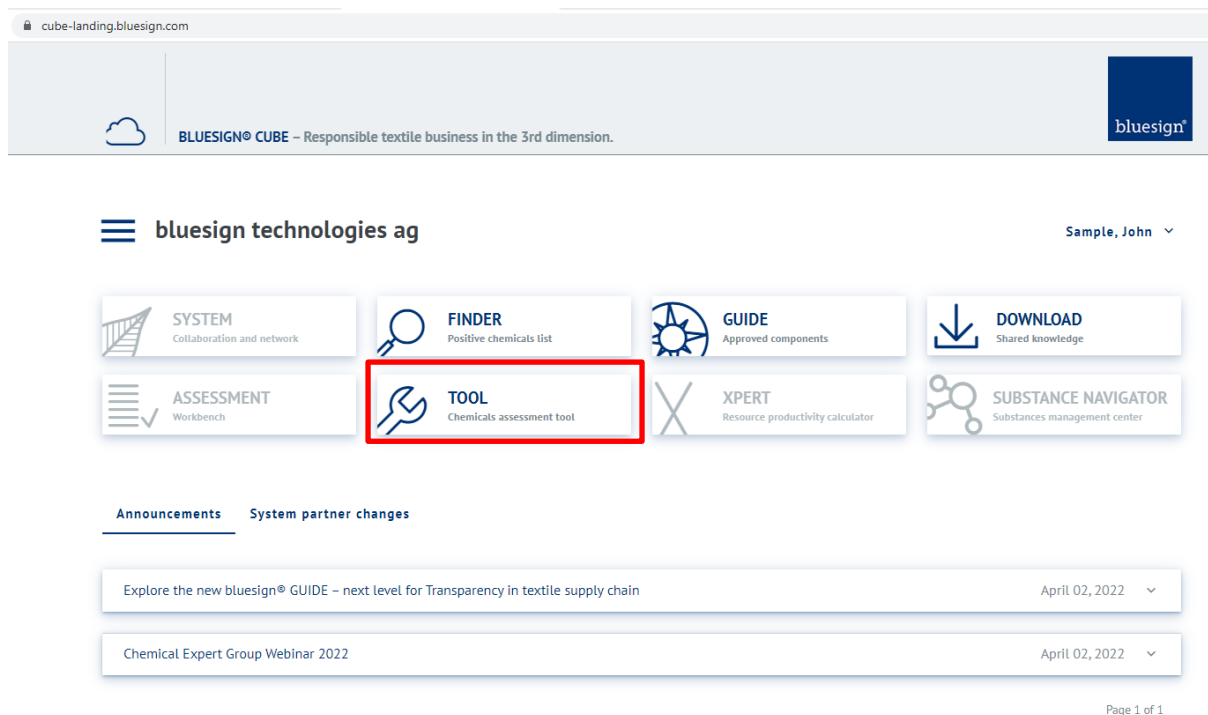


Figure 3.2: bluesign® CUBE landing page

Click on the TOOL tile to launch the bluesign® TOOL.

Note: All the elements you have access to are highlighted in blue, the elements you have no access to are displayed in grey

3.3 bluesign® TOOL landing page

You have now reached the bluesign® TOOL landing page.

The landing page consists of various sections as shown in Figure 3.3:

- Applications menu
- bluesign® TOOL menu
- My Lists
- Search bar and Filters
- Legend
- Product list

bluesign® TOOL – chemical assessment

Chemical Products

My lists

state: OPEN

Filter

Products (#1)

Show Legend

New product

Product name	Ident No	Class	Subcategory	Company	Last action			
OH-TEST_ENL	OH-1234		Levelling agents	AGC Inc.	15.02.2022	1		

Rows per page: 100 1-1 of 1

Figure 3.3: bluesign® TOOL landing page

3.3.1 Announcements in the pop-up banner

When launching the bluesign® TOOL the most recent announcements will be displayed. They contain relevant and specific information for chemical suppliers. Bluesign uses these announcements also to inform about most recent updates to various substance limits as described in the bluesign® system black limits (BSBL) or the bluesign® system substances list (BSSL).

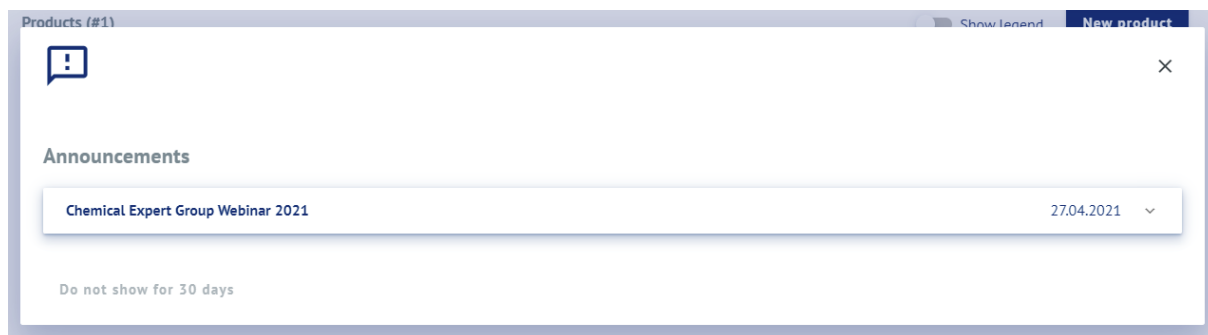


Figure 3.4: Announcements

Click on an announcement of interest to expand it and see the details.

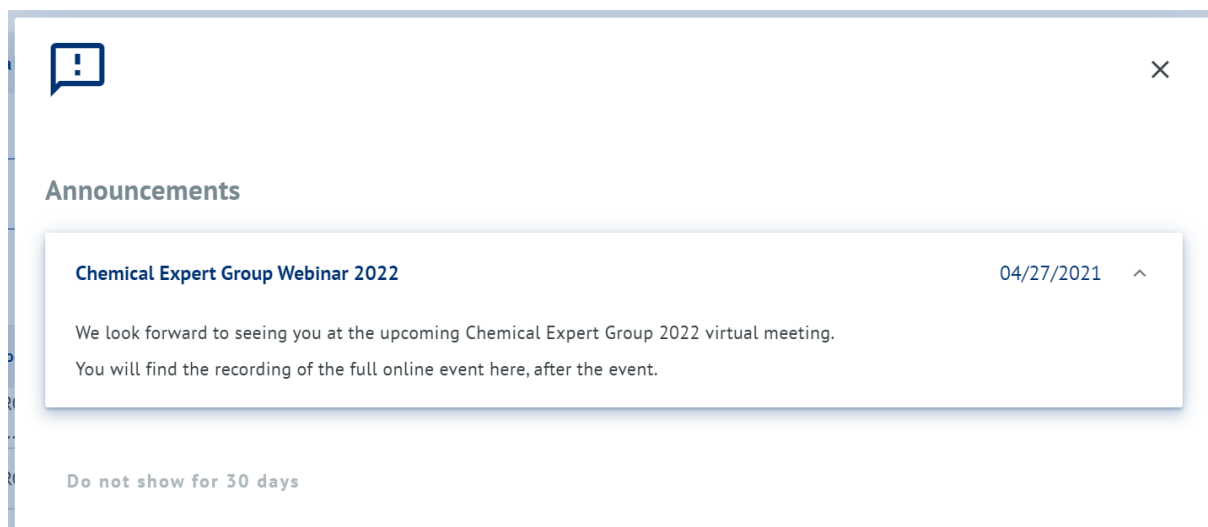


Figure 3.5: Details of a specific announcement

If you do not wish to see these announcements every time you sign in to the bluesign® TOOL, you can deactivate them for 30 days by clicking “Do not show for 30 days”.

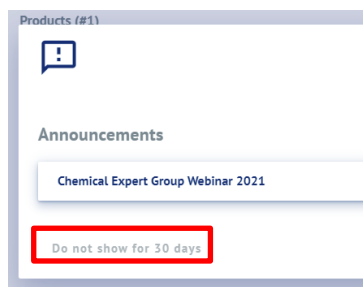


Figure 3.6: Hiding the Announcements

In case you would like to take a closer look at the announcements, but have already closed the announcements window, you can always and anywhere in the bluesign® TOOL show the announcements window by clicking the announcements button in the footer of the page.

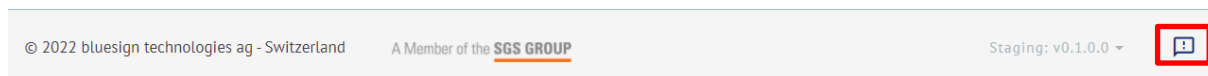


Figure 3.7: Opening the Announcements

3.3.2 Applications menu

Go back to the bluesign® CUBE landing page or jump directly to other applications via the applications menu (1).

From the applications menu you can also log out of the bluesign® TOOL by clicking “Logout” (2).

Note: Logging out will end your entire bluesign® CUBE session. You will also be signed out from all other Bluesign applications.

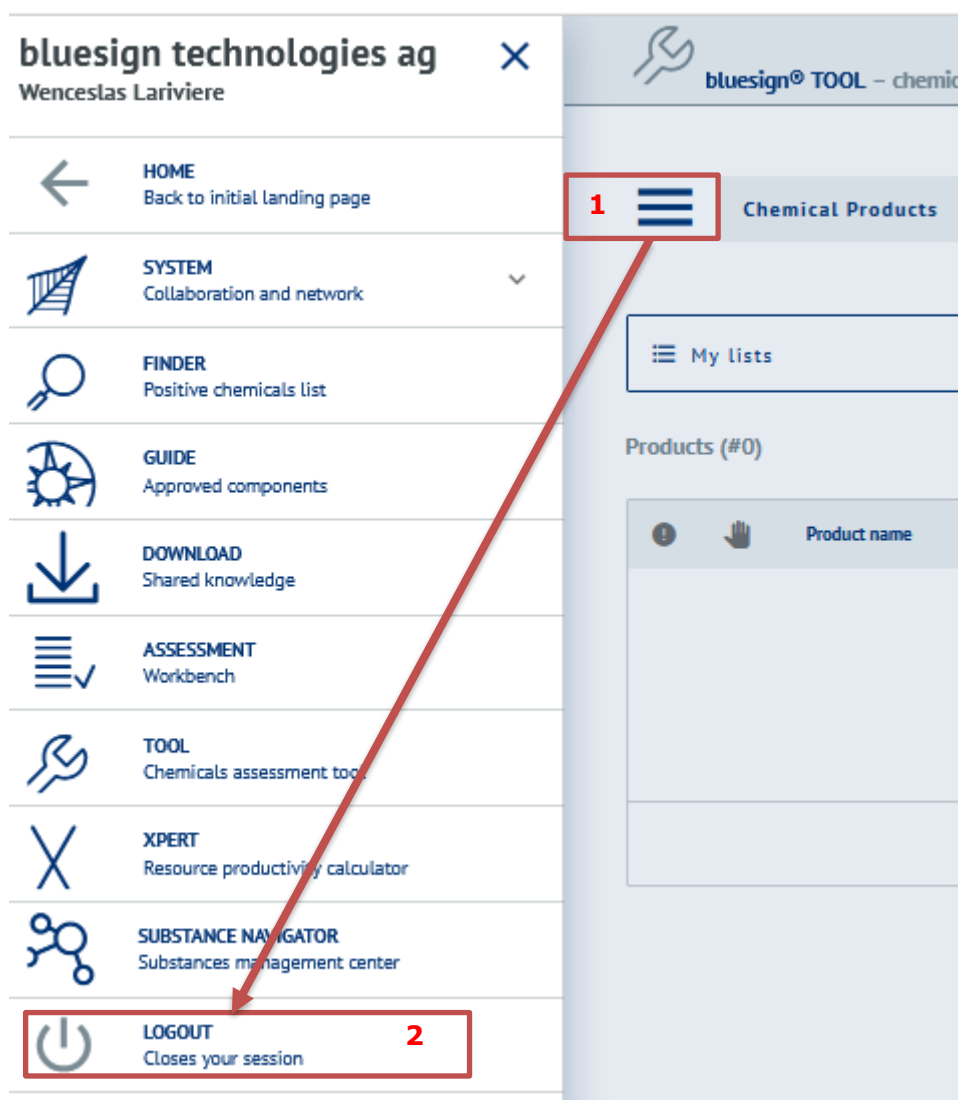


Figure 3.8: Logging out

3.3.3 My Lists

My lists contains the favorites list, a list of specific products.

Unlike a filter, where products are selected based on specific criteria, the favorites list contains products that have been added manually.

Favorites are a useful feature if you want to quickly jump to chemical products of very high interest without having to search for them. This can include for instance test products, strategically important products, products you are currently working on etc.

The number behind the name of the list indicates the number of products contained in the list.

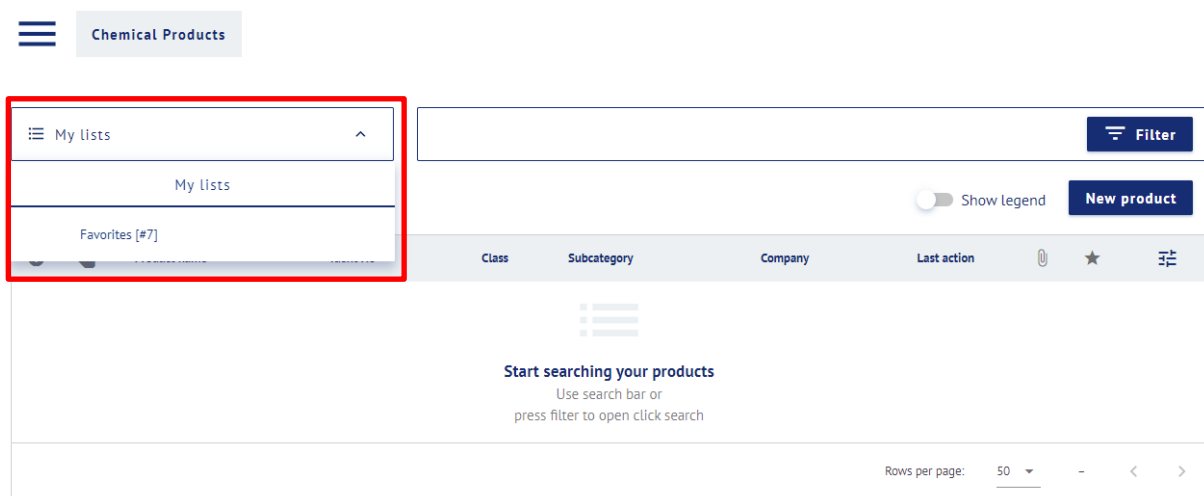


Figure 3.9: My lists

Assign products to the list by clicking the star in any product list. Unmark products by deactivating the star again. If you click the star in the header row, all products in the list are affected by the change.

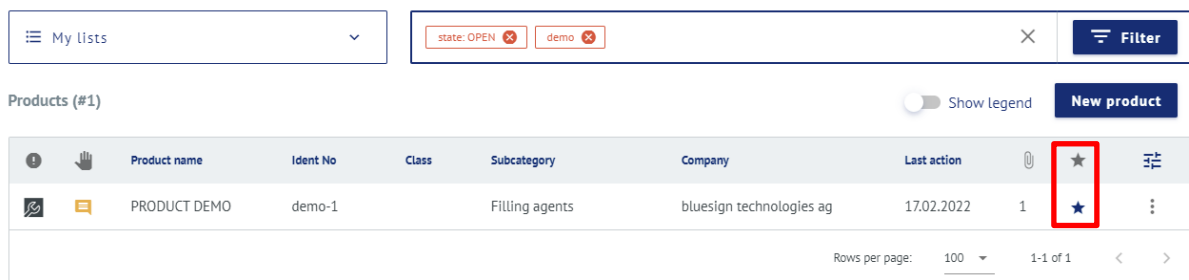


Figure 3.10: Managing favorites

3.3.4 Search bar and filters

Use the Search bar to search for chemical products. The search includes product name, ident no., description, company, and product description.

Note: As a user you can only see your own products. The search by company hence is only useful to Bluesign users.

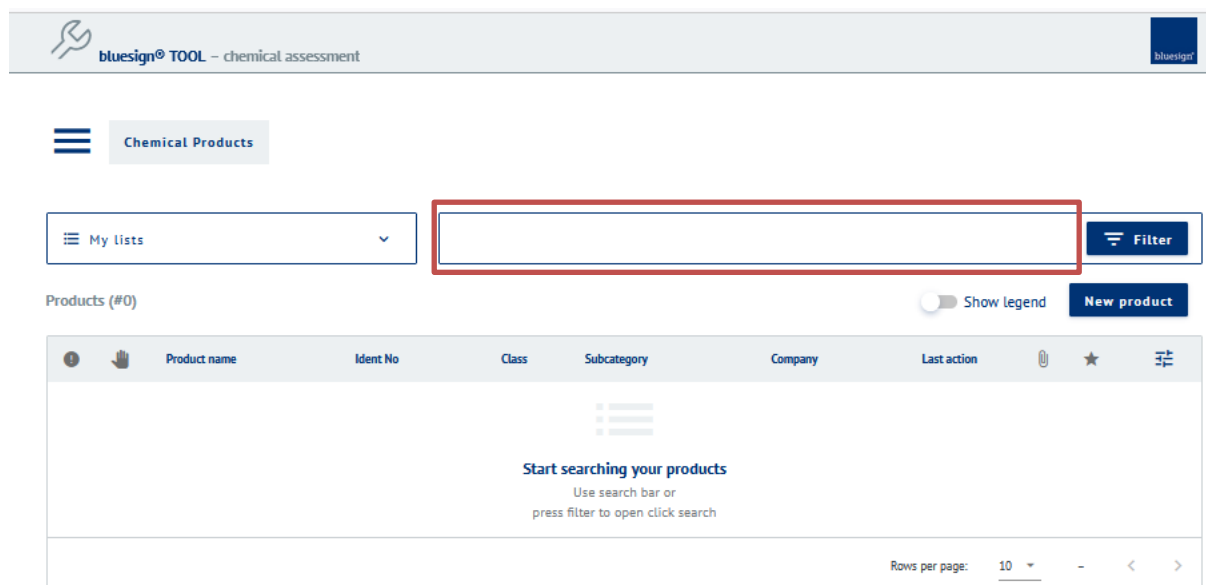


Figure 3.11: Search

The different search parameters are being displayed in the search bar and can be modified there. Those tags will also appear when you use the filter function.

To reset the entire search and remove all search parameters at once, click the X at the right of the search bar.

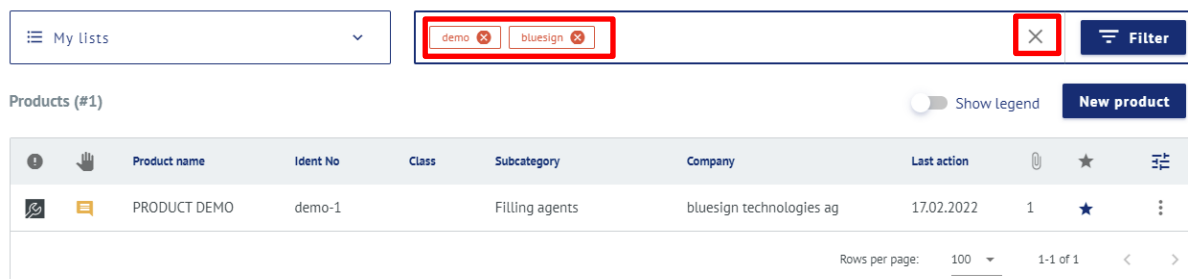


Figure 3.12: Search parameters

Products can also be filtered by specific parameters.

The filters include:

- Categorization
- Assessment (Chemical Assessment)
- Substance
- Hazard
- Company
- Range
- Date

The filters will return all products, that meet at least one parameter chosen per section.

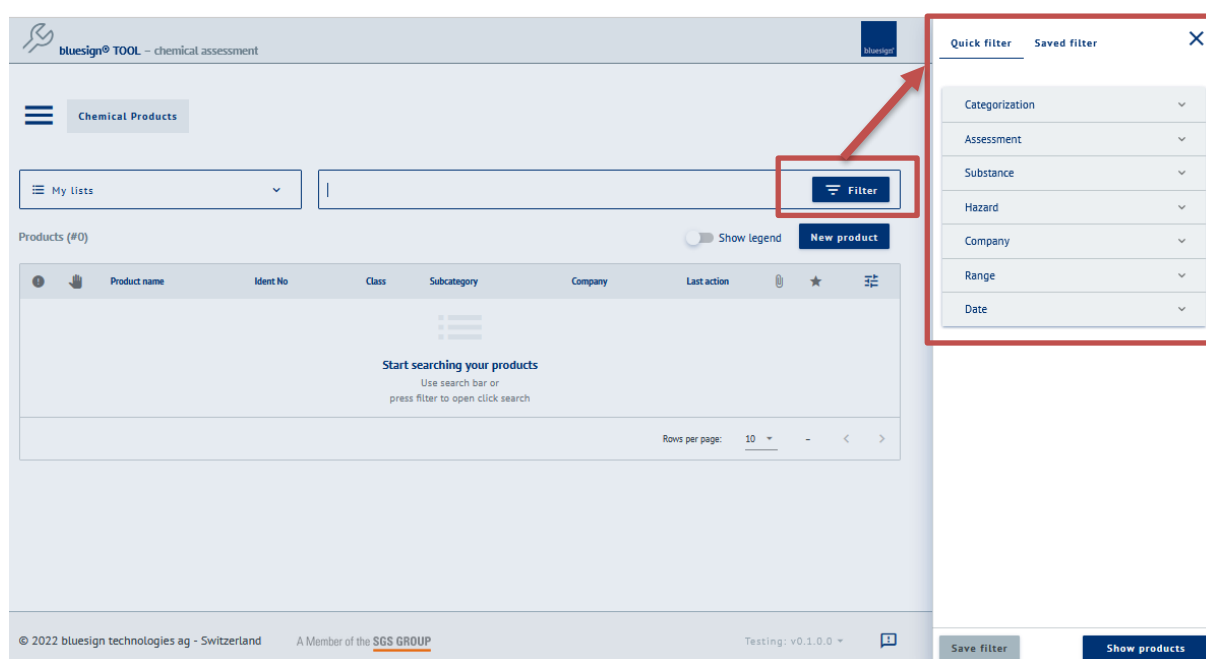


Figure 3.13: Filter

A small filter icon indicates sections that contain parameters included in the current filter.

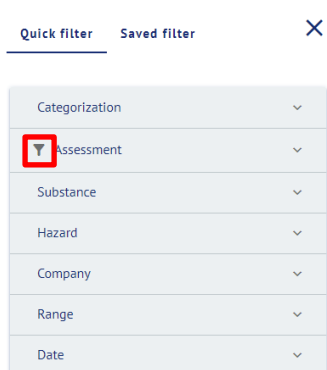


Figure 3.14: Selected parameters in sections

You have the option to save filters to reuse them whenever you sign in.

Provide a name and a description for your filter and click Save.

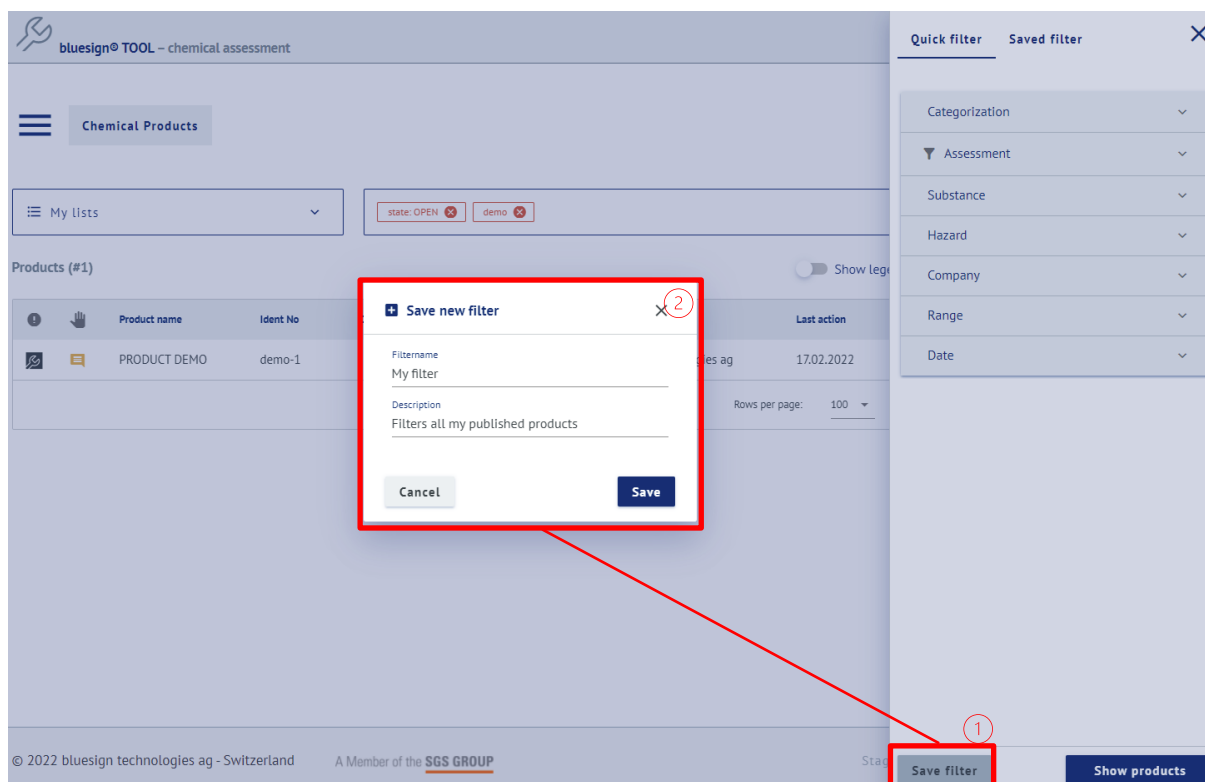


Figure 3.15: Saving filter

To execute a saved filter, go to "Saved filter" (1) in the filter menu and click on the filter you would like to apply (2).

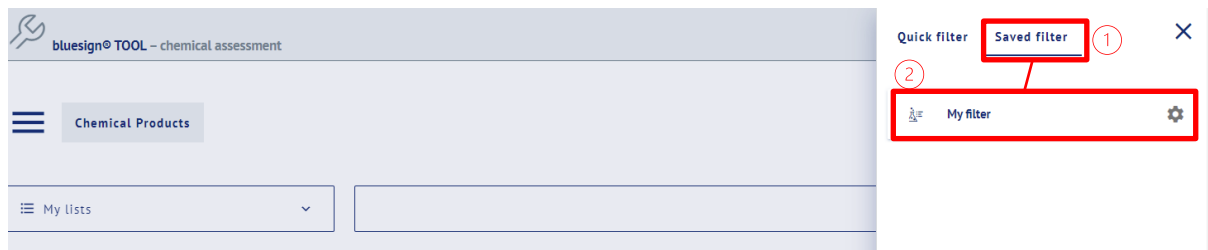


Figure 3.16: Applying saved filters

If you need to modify the filter criteria or would like to delete the filter permanently, click the settings icon (1). Now you can update the filter parameters in the pop-up window (2). Changes are stored immediately to the filter, no need to save the changes.

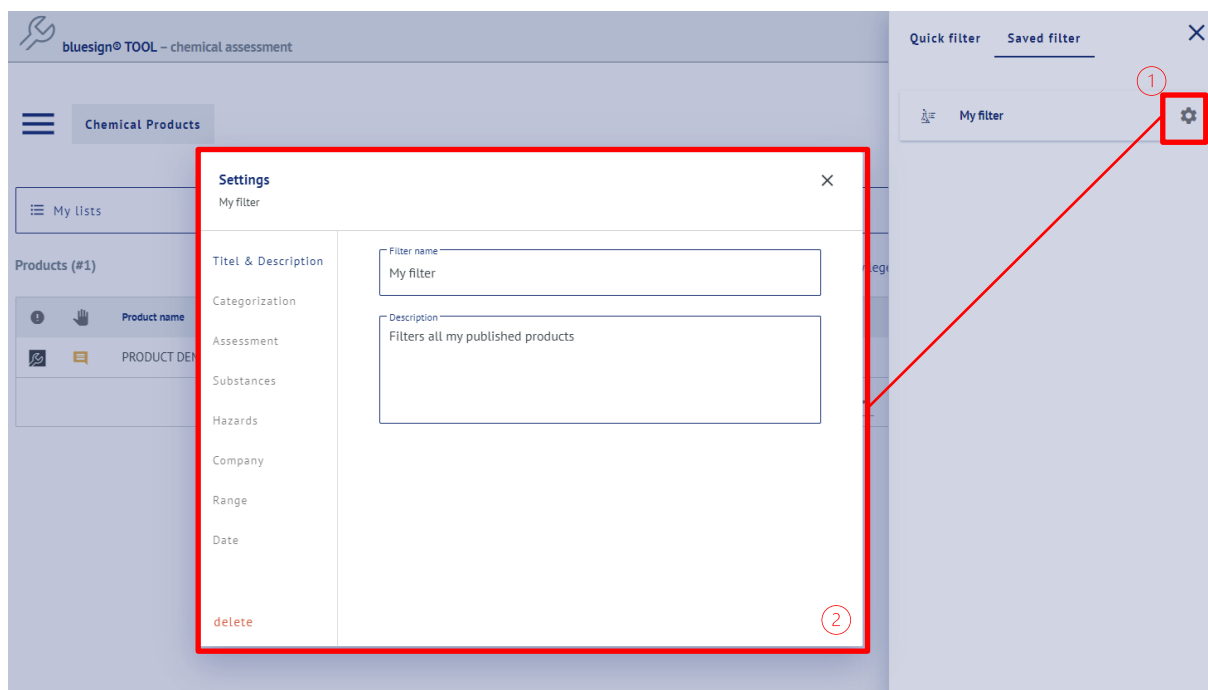


Figure 3.17: Updating saved filters

3.3.5 Legend

Display the legend by moving the slider to "Show legend" (1).

The number behind each category indicates the number of chemical products in this category in the current product list (2).

My lists

state: OPEN

Filter

Products (#6)

1 Show Legend

New product

Rating	Status
blue - visible on bluesign®FINDER (2)	open (6)
grey - visible on bluesign®FINDER (1)	in review
blue - only visible on bluesign®TOOL	completed
grey - only visible on bluesign®TOOL	deleted
black (1)	open - expires soon
multiple	in review - expires soon
	completed - expires soon
	expired

2

Figure 3.18: Legend

3.3.6 Product list

The product list contains all products, that meet the currently defined search and filter criteria. The number next to the title indicates the number of products in the list.

Note: When signing in, the filter is by default set to open products. These are the chemical products that are currently in the registration process and require input from you.

My lists

state: OPEN

Filter

Products (#1)

Show Legend

New product

Product name	Ident No	Class	Subcategory	Company	Last action			
PRODUCT DEMO	demo-1		Filling agents	bluesign technologies ag	18.02.2022	1	★	⋮

Rows per page: 100

1-1 of 1

Figure 3.19: Product list

The product list only displays up to the first 10 products. Use the arrows at the bottom of the table to go to the next page of products or change the number of products displayed per page.

The screenshot shows the top of the product list interface. At the top, there is a header bar with a 'My lists' dropdown, a 'state: OPEN' indicator, and a 'Filter' button. Below this, the main content area is titled 'Products (#1)' and includes a 'Show legend' toggle and a 'New product' button. The table below has columns: Product name, Ident No, Class, Subcategory, Company, Last action, and several action icons. The first row shows 'PRODUCT DEMO' with 'demo-1' as the identifier. At the bottom right of the table, a pagination bar is highlighted with a red box, showing 'Rows per page: 100', '1-1 of 1', and navigation arrows.

Product name	Ident No	Class	Subcategory	Company	Last action
PRODUCT DEMO	demo-1		Filling agents	bluesign technologies ag	18.02.2022

Rows per page: 100 1-1 of 1

Figure 3.20: Navigate between pages

There are several possibilities to customize the product list.

Most columns allow sorting ascending or descending. This can be done by clicking the arrow to the right of the column name. The arrow appears when you move your mouse over it.

This screenshot shows the same product list interface as Figure 3.20, but with more rows visible. The 'Product name' column header is highlighted with a red box, and a small upward-pointing arrow is visible next to it, indicating that the column is sorted in ascending order. The table contains two rows: 'OH-TEST_ENL' and 'ACTED NEW'.

Product name ↑	Ident No	Class	Subcategory	Company	Last action
OH-TEST_ENL	OH-1234		Levelling agents	AGC Inc.	15.02.2022
ACTED NEW	BCB-BC0303		Synthetic organic tanning	AGC Inc.	17.02.2022

Figure 3.21: Sorting product lists

You also have the option to hide certain columns or change the order of the columns being displayed. Select the settings icon (1) and adjust the product list (2). Unmark the blue boxes to hide columns. Drag and drop rows to change the order.

Note: Changes are not stored, they are only valid during your current bluesign® TOOL session.

The screenshot shows the 'Products (#6)' section of the bluesign® TOOL interface. At the top, there is a 'My lists' dropdown and a 'state: OPEN' indicator. Below this is a table with columns: Product name, Ident No, Class, Subcategory, and Company. To the right of the table is a settings menu (1) that is currently open. This menu contains a list of columns with checkboxes and reorder handles (2). The columns listed are: Rating, Status, Product name, Ident No, Class, Subcategory, Company, Last action, Attachments, Favorites, and Actions. The 'Rating' column is highlighted with a red circle (2). The settings menu is outlined with a red box.


Figure 3.22: Customizing product lists

3.4 View a Product

To view the chemical assessment result, select the product from the products list.

The product details page contains various sections:

- Product header
- Product details
- Application details
- Documents
- Comments

 **Chemical Products**

COPY OF SIM-PROD

bluesign technologies ag

Category

Dyes and pigment preparations (for all uses)

Subcategory

(1380) Acid dyes


Sector of Use

Manufacture of textile products including fabrics, laminates and non-wovens

Ident No

ABC

Status

 open


Rating

multiple

Class

multiple

Visibility

Public 

Created

03/22/2022 by Michele Signer


Last change

04/29/2022 by John Sample

Last action

Updated
04/29/2022 by John Sample

Valid until


09/18/2022 


Submit


Edit


Product details


▼


 blue A/B/C Dyeing | Batch processing

 ▼

 blue A/B/C Dyeing | Continuous processing

 ▼

 blue A/B/C Dyeing | Pad processing

 ▼

Documents

▼

Comments

▼

Figure 3.23: Viewing a product

bluesign® TOOL – User manual | 2022-10

© bluesign technologies ag | www.bluesign.com

This Document shall only be used by bluesign® SYSTEM PARTNERS and is not intended for public use.

Prior authorization from bluesign technologies ag is mandatory for any public use, in full or partial, by bluesign® SYSTEM PARTNERS.

22 | 104

3.4.1 Product header

The product header is always visible and contains the following information:

- **Product identification**
This includes product name, company, product categorization and identification number
- **Status and rating**
This includes status, rating, class (i.e. usage ranges A/B/C), and visibility in FINDER and subsequent systems.
- **Dates**
This includes creation date, last change, last action, and validity.

3.4.1.1 Statuses

The following table shows the different statuses:









Icon	Name	Description
	open	Chemical Supplier is currently working on the product. This can be an initial registration, or an update to an existing registration
	in review	Chemical product has been submitted to Bluesign and is now being reviewed. In this state it cannot be edited.
	completed	Once the registration is completed, status is changed to completed.
	deleted	Deleted chemical products remain in the system but are marked as deleted. Products can only permanently be deleted by system admins.
	open – expires soon	Any registration process must be completed within one year. Three months prior to the expiration date, product is marked as open – expires soon. Expiration date is visible in the product header.
	in review – expires soon	Any review process must be completed within one year. Three months prior to the expiration date, product is marked as in review – expires soon. Expiration date is visible in the product header.
	completed – expires soon	Approvals are valid for 3 years. Three months prior to the expiration date, product is marked as completed – expires soon. Expiration date is visible in the product header.
	expired	Products that have not been updated or completed before the expiration date are marked as expired. These products are automatically removed from FINDER.

Table 3.1: Statuses of chemical products in bluesign® TOOL

3.4.1.2 Ratings

The following table shows the different ratings:

Note: If the product has been registered for more than one application, the worst calculated rating prevails.

Name	Description
blue	The chemical product was registered only for applications that are rated blue.
grey	The chemical product was registered for at least one application that is rated grey with no applications being black.
black	The chemical product was registered for at least one application that is rated black.

Table 3.2: Ratings of chemical products in bluesign® TOOL

3.4.1.3 Visibility

The visibility describes, if the chemical product is visible in subsequent applications such as the bluesign® FINDER.

The following table shows the different visibilities:

Name	Description
Public	The chemical product is published to the bluesign® FINDER and all subsequent systems provided it is bluesign® APPROVED
Private	<p>The chemical product is not published to the bluesign® FINDER and subsequent systems. In particular, private chemical products are not shared with the ZDHC Gateway. They are only visible in bluesign® TOOL.</p> <p>Private chemical products are however available in the Chemical Inventory module in the bluesign® CUBE with the calculated rating.</p> <p>Private can only be used in specific cases and needs to be approved by the chemical assessor.</p>

Table 3.3: Visibility of chemical products in bluesign® TOOL

3.4.1.4 Last change and last action

Last change describes the last change to the chemical product. This can be saving, changing the status etc.

Last action describes the last change of status of the chemical product such as submitting, rejecting, completing, updating etc.

3.4.1.5 Valid until

By default, products have the following validities:

Validity	Description
1 year	Products that are currently being worked on (states open or in review) have a validity of 1 year after the last action.
3 years	Products that have been completed have a validity of 3 years after approval.
Other	<p>Reviewers can manually set validities.</p> <p>This can be the case if for instance a product needs to be updated because limits of substances have changed. In those cases, individual validities are defined case by case.</p> <p>The reason for the manual validity date is listed in the comments of the product.</p>

Table 3.4: **Visibility of chemical products in bluesign® TOOL**

3.4.2 Product details

The Product details summarizes the product-related data provided in the input. It contains:

- **Product identification**

This includes a technical description and a chemical description. While the technical description is published in bluesign® FINDER, the chemical description remains in bluesign® TOOL and is not shared externally.

- **Physical chemical properties**

This includes physical state, water solubility/miscibility, and solvent type as well as share of chemical product intended to remain on the material after processing (regardless of fixation degree), density, and where applicable fixation degrees exhaust and continuous.

- **Substrates**

Products that are registered for textile related sectors of use also show for which substrates the chemical product is intended. It is differentiated between man-made fibers (MMF) and natural fibers.

Note: The share of chemical product intended to remain on the material after processing (regardless of fixation degree) is a parameter used for various scenario calculations.

Product details	
Identification	
Technical description	
Leveling agent for Polyester with excellent dispersing properties. Excellent uniformity and dispersibility. Excellent correction of accidents caused by unevenness.	
Chemical description	
Polyglycol oleate CAS no. 9004-96-0 15~20%	
Polyethylene glycol CAS no. 25322-68-3 10~15%	
Ethoxylated castor oil CAS no. 61791-12-6 10~15%	
Product range	
BLUEGAL	
Physical chemical properties	
Physical state	Share of chemical product intended to remain on the material after processing, regardless of fixation degree (%)
Liquid	= 50
	Comment:
Water solubility/miscibility	
Yes	Density (g/cm³)
	= 1.1
Solvent type	Comment:
Water	
Substrates	
Man made fibers (MMF)	Natural fibers
Polyester (PET/PES)	

Figure 3.24: Product details of a chemical product

3.4.3 Application details

The application details contain on one side application related data but also the calculated chemical assessment result.

The application details consist of the following data:

- Header information
- Application data
 - Categorization
 - Rating
 - Additional process steps
 - Application data

The screenshot shows a web application interface for 'blue A/B/C Dyeing | Batch processing'. The interface is divided into several sections:

- Categorization**
 - Process: Dyeing
 - Subprocess: Batch processing
- Rating** (with an edit icon)
 - Class: blue (represented by a blue circle)
 - Class: A/B/C
- Additional process steps**
 - Additional wet passage/process required: Yes
 - Additional drying passage/process required: Yes
- Application data**
 - Parameters**
 - Liquor concentration (g/kg): 5
 - Liquor ratio (1:n): 10
 - Behavior**
 - Affinity to material: to be fixed on the material

Figure 3.25: Application details of a chemical product

3.4.3.1 Application header information

The application header already shows various information. This is particularly useful when there is more than one application registered.

The header information is made up of:

- Rating
- Allowed usage range
- Process and subprocess
- Status active/inactive

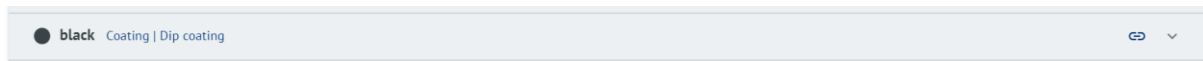




Figure 3.26: Application header information

The status symbol at the right of the row shows if the application is active () or inactive (). Inactive applications are not relevant for the overall rating of the chemical product. At the same time the chemical product is not approved for inactive applications, regardless of the rating calculated for this application.

3.4.3.2 Application data

The application data summarizes application-related data provided in the input. It contains:

- **Categorization**

This is the application related categorization and covers process and subprocess

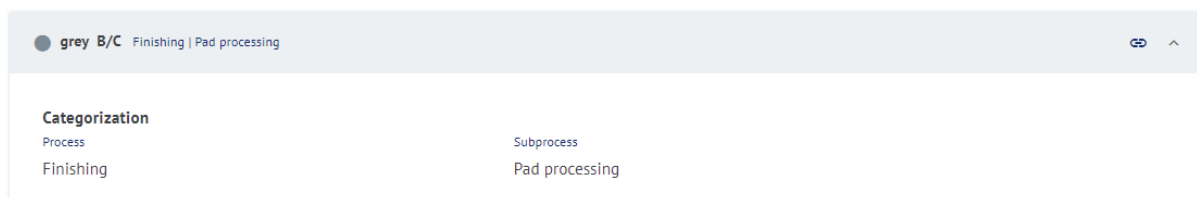


Figure 3.27: Viewing categorization information in application data

- **Rating and allowed usage range**

The rating usually consist of the rating (i.e. blue, grey, black) and the class (i.e. A/B/C, B/C, C). It is the strictest calculated rating from any of the modules.

In some cases the calculated rating is overruled by Bluesign's chemical assessors. In those cases, the little pen next to the Rating is red and a comment explaining the reason for the manual rating can be found in the comments section.

Rating

Manual rating

 grey

Rating

 black

Manual class

A/B/C

Class

'NO DATA'

Figure 3.28: Manual rating showing originally calculated rating as well as manually set rating

- **Additional process steps**

In some cases, additional wet or drying processes are explicitly stated in the technical data sheet. For products, where this is typically the case, it is displayed here, if additional process steps are recommended for this chemical product.

Additional process steps

Additional wet passage/process required

No

Additional drying passage/process required

No

Figure 3.29: Information about additional process steps where applicable

- **Application data**

The section application data shows the recommended application as stated in the technical data sheet. It contains application parameters, but also information about the behavior of the chemical product (i.e. affinity to material) and if the preparation is ready to use or not.

These parameters are the basis for different scenario calculations.

Application data

Parameters

Material add-on, wet (%)

10

Figure 3.30: Information about the application of the chemical product

■ Assessment (Chemical Assessment)

And finally the calculated chemical assessment result is available at the end of this section.

(Read more about the chemical assessment result in chapter 3.5)

Assessment

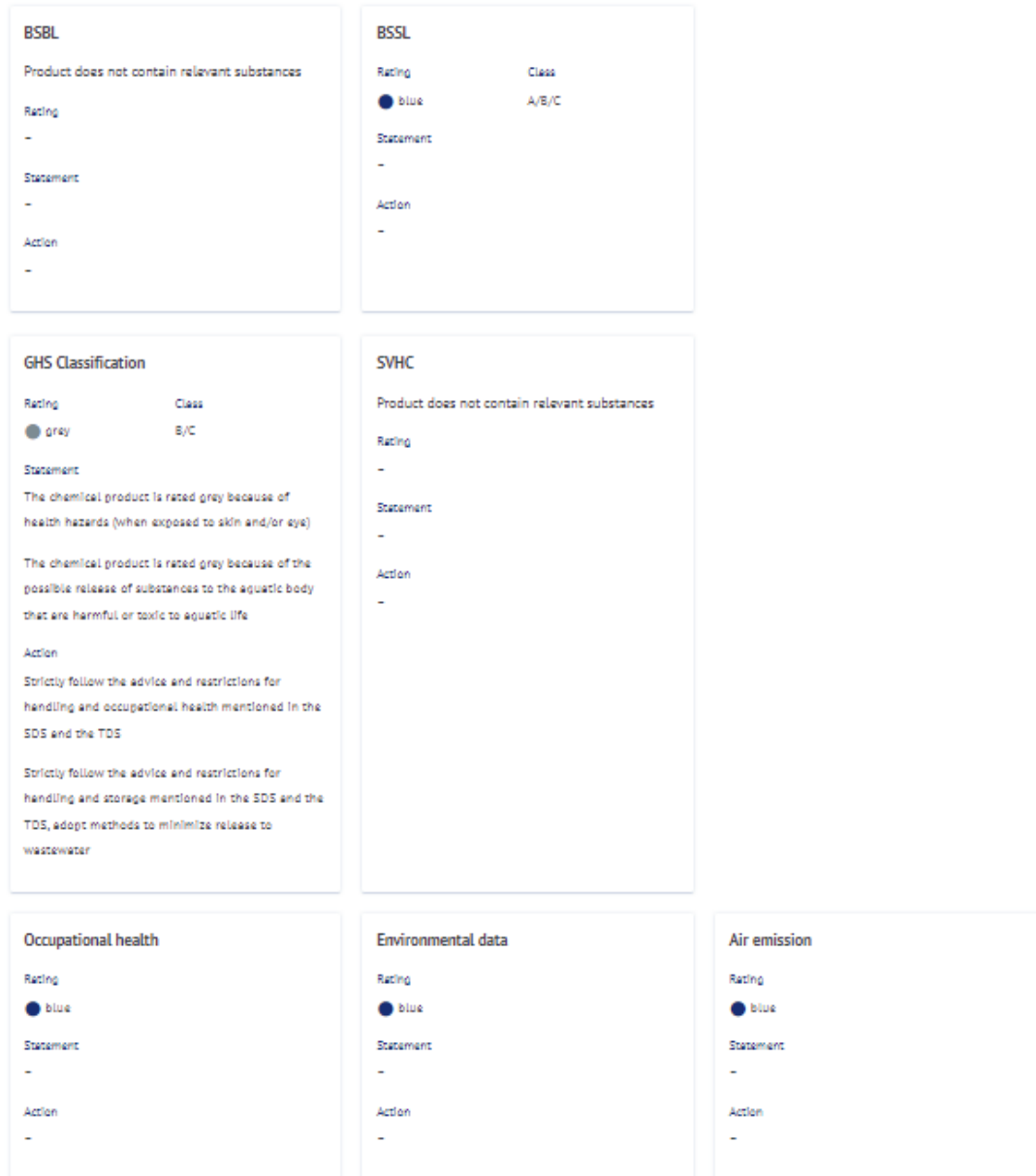


Figure 3.31: Chemical assessment result overview

3.4.4 Documents

In the documents section all attached documents can be viewed. For easy navigation, the documents can be sorted by clicking the arrows right to the column headers.

To open a document simply click anywhere in the line.

Note: make sure to enable pop-ups, otherwise it is possible the browser prevents the document from opening.

Product details							▼
● black Coating Dip coating							GD ▼
Documents							^
Documents							
Name	Description	Type	Issue date	Upload by	Date	Actions	
[TOOL]_TEST_SDS.pdf	Attachment Demo Product Change	SDS (Safety Data Sheet)	03/01/2021	Luca Engel	04/19/2022		
Comments							▼

Figure 3.32: Attached documents of a chemical product

3.4.5 Comments

There are two types of comments in bluesign® TOOL:

- **Comments**

Comments are entered by users and support the communication between the user and the chemical assessor.

Chemical assessors even have the option to add internal comments that are only visible to chemical assessors. These comments can be used to document the chemical assessment decision.

- **Activity**

Activities are documented by the system and provide information on what has happened when.

Comments and activities can be shown at the same time in chronological order by selecting the "All" tab.

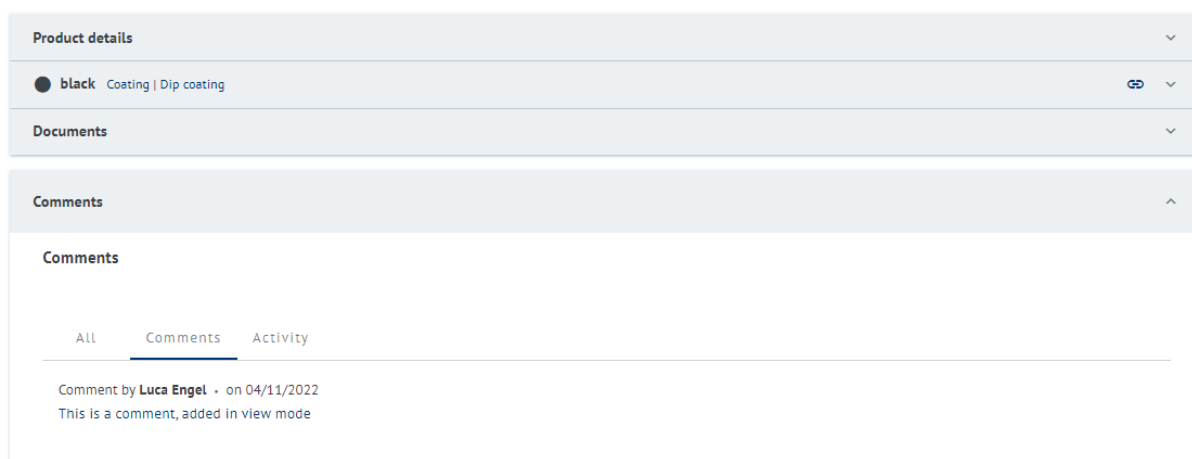


Figure 3.33: Comments of a chemical product

Documents

Comments

Comments

All

Comments

Activity

Hidden status_changed by **Luca Engel** • on 04/11/2022
Hidden status: False

Hidden status_changed by **Luca Engel** • on 04/11/2022
Hidden status: True

Hidden status_changed by **John Sample** • on 03/18/2022
Hidden status: False

Hidden status_changed by **John Sample** • on 03/18/2022
Hidden status: True

Visibility changed by **Luca Engel** • on 02/21/2022
Visibility: Public

Updated by **Luca Engel** • on 02/21/2022

Created by **Luca Engel** • on 02/21/2022
Goes along with the trainings

Figure 3.34: Activities of a chemical product

3.5 Chemical assessment result

The chemical assessment result shows the calculated ratings for the active application. Ratings can differ from application to application as application conditions and exposure scenarios differ.

Chemical assessments are carried out in 7 different modules:

- BSBL
- BSSL
- GHS Classification
- SVHC
- Occupational health
- Environmental data
- Air emission

3.5.1 Module summary

The results for each module are summarized in tiles. Tiles are all built the same way and contain a summary showing the following elements:

- Information in case of a non-result
- Rating and class
- Statement
- Action

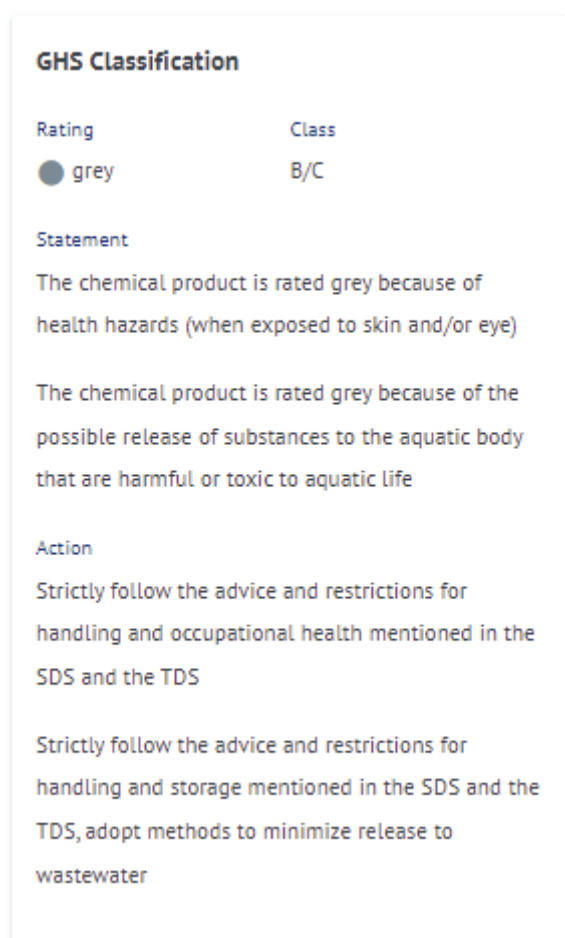


Figure 3.35: Module summary with rating, class, statements, and actions

3.5.1.1 Non-result

There are several reasons why a specific module does not have a result. In each case a specific comment is displayed explaining the non-result:

Comment	Description
Product does not contain calculated results	The rating has not yet been calculated, hence no result for the module is available
Product does not contain relevant substances	There are two options for this: <ol style="list-style-type: none">1. No hazardous substances have been registered for this product, and hence no substances can be evaluated2. The product only contains substances, that have no limits in the relevant module, and hence no rating is calculated for the substances
Product not classified	For the GHS module only, if the product is not classified, it does not have any H-statements that can be rated
No relevant scenarios applicable	Not all modules are calculated for all chemical products. In case no scenarios are applicable, this message is being displayed.

Table 3.5: **Module comments for non-results**

3.5.1.2 Rating and Class

In case a result was calculated for the module, the final rating and where applicable also the class are being displayed. The final rating is always the worst rating from an entry in the module.

3.5.1.3 Statement

The statements reflect the non-conformities. They are also published in the bluesign® FINDER to help manufacturers understand the chemical assessment result.

3.5.1.4 Action

For grey ratings also actions are being displayed. The actions provide information regarding the safe processing of the chemical product.

3.5.2 Module details

Click on the tile to open the details of the chemical assessment for the respective module.

The module details contain the following elements:

- Module summary
- Calculated scenarios
- List of assessed entries (can be substances, H-statements, or parameters)

Black limits (BSBL) ✕

Rating
● black

Statement
The chemical product is rated black because it contains substances above BSBL limits

Action
–

Calculated scenarios
–

Substance/Group	CAS	Comparator	Value	Unit	Rating
Aldehydes			400	mg/kg	
▼ Acetaldehyde	75-07-0	=	300	mg/kg	● blue
▼ Formaldehyde	50-00-0	n.d.	100	mg/kg	
▼ Benzo(a)pyrene	50-32-8	≤	10	mg/kg	● black
▼ Cadmium	7440-43-9	=	1001	mg/kg	
Glycols			50	mg/kg	
▼ 2-Methoxy-1-propanol	1589-47-5	=	50	mg/kg	● blue

Figure 3.36: Module details

The chemical assessment summary is repeated at the top of the details page. In addition to the elements displayed in the tile overview, the calculated scenarios (where applicable) are also being listed in this overview.

The list of assessed entries contains an identification of the entry, the provided input as well as the overall chemical assessment result.

Note: The value provided in the list is always the input (e.g., the substance concentration in the chemical product) and not the result of a scenario calculation.

Individual results can again be overruled manually by the chemical assessors. In those cases, the pencil behind the rating is red, and a comment explaining the reason for the manual rating is saved to the comments.

3.5.3 Chemical assessment details

If there is additional information to a specific entry, the line can be expanded by clicking the arrow symbol.

Substance/Group	CAS	Comparator	Value	Unit	Rating
Aldehydes					
▼ Acetaldehyde	75-07-0	-	300	mg/kg	grey
▼ Formaldehyde	50-00-0	n.d.	100	mg/kg	blue

Figure 3.37: Expanding entry to access the chemical assessment details

The chemical assessment details contain the following elements:

- Input
- Result

Occupational health

Acetaldehyde75-07-0=300mg/kggrey

Input

Source: measured - own lab

Chemical function: Impurity (unintended)

Testmethod:

Scenario: Coating application with drying process

Expected workplace concentration: 31.72638 mg/m³

Relevant limits:

DE_BAaA_TRGS_900	91 mg/m ³	grey	Type: MAK – long-term Rating rule: grey above 25% of OH limit Statement: The chemical product is rated grey because of the possible risk for exposure to substances with occupational exposure limits during processing Action: Strictly follow the advice and restrictions mentioned in chapter 8 of the SDS – installation of adequate measures for handling of the chemical product and control of occupational exposure limits is necessary
US_OSHA	366 mg/m ³	blue	Type: PEL - TWA – long-term

Scenario: Opening barrel

Relevant limits:

CN_OELs_GB/Z	45 mg/m ³	noRating	Type: MAC – short-term
DE_BAaA_TRGS_900	91 mg/m ³	noRating	Type: MAK – short-term

Figure 3.38: Chemical assessment details

3.5.3.1 Input

Additional data that was provided during input is shown here. For substance modules (BSBL, BSSL, SVHC, and Occupational health) this includes the source of the value (i.e. how the value was determined), chemical function of the substance in the product, possible test method used, and additional comments.

For the GHS Classification module, the input data strongly depends on the selected H-Statement and can include information such as exposure route, substances responsible for the classification, or sensitization test results as well as additional comments.

In the Environmental data module, the additional input data includes the source of the value (i.e. how the value was determined), possible test method used, and additional comments.

3.5.3.2 Result

The chemical assessment result is shown for each calculated scenario and contains the following elements:

- Calculation results
- Relevant limits

Calculated results are the result for the relevant scenario model calculation. This value is compared against the applicable limits to determine the rating.

In cases the bluesign® TOOL is unable to calculate a result because physical chemical reference data for the selected substances have not been defined, no result is being displayed and the limit is rated with "no Rating". During the review of the chemical product, the chemical assessors will specifically check these cases.

To easily interpret the rating, each limit comes with the following information:

Information	Description
Source (1)	Where external sources are being used, the source is listed (e.g. OEL regulations). For limits defined by Bluesign, three different sources exist: <ul style="list-style-type: none"> - Default limits - Specific limits Specific limits apply in specific cases where the default limits don't apply - Exceptions Exceptions are cases, where either the default limit does not apply and no other limit is defined, or the model calculation is not applicable
Value (2)	This is the value of the limit. The calculation result is compared against this value to establish the rating.
Unit (3)	This is the unit of the limit
Rating (4)	This is the calculated rating.
Type (5)	The type provides additional information about the limit
Rating rule (6)	For ratings other than blue the rating rules describes what caused the rating.
Statement (7)	For ratings other than blue the statement describes in more generic terms the result. These statements are collected in the summary and are also visible in the bluesign® FINDER.
Action (8)	For grey ratings, also a generic action is required that describes what measures must be taken for safe processing of the chemical product. These actions are collected in the summary and are also visible in the bluesign® FINDER.

Table 3.6: Limit information in the chemical assessment details

Input

Specifier: (BIT)

Source: calculated - based on supplier data

Chemical function: Preservative (Intended)

Comment:

Scenario: Standard textile application

Expected residue on material: 4.37717 mg/kg

Relevant limits:

Default

1

All

2

25

mg/kg

3

grey

4

Type: Usage ban

5

Rating rule: grey above 25% of BSSL limit

6

Statement: The chemical product is rated grey because of the possible risk of residues of substances with BSSL limits on the finished article

7

Action: Strictly follow the advice and restrictions mentioned in the TDS. Seek support from the chemical supplier to optimize processing to meet performance and consumer safety requirements

8

Figure 3.39: Relevant information about a limit

bluesign® TOOL – User manual | 2022-10

© bluesign technologies ag | www.bluesign.com

This Document shall only be used by bluesign® SYSTEM PARTNERS and is not intended for public use.

Prior authorization from bluesign technologies ag is mandatory for any public use, in full or partial, by bluesign® SYSTEM PARTNERS.

43 | 104

3.6 New Product

To create a new product, click the button "New product" at the top of the chemical products list:

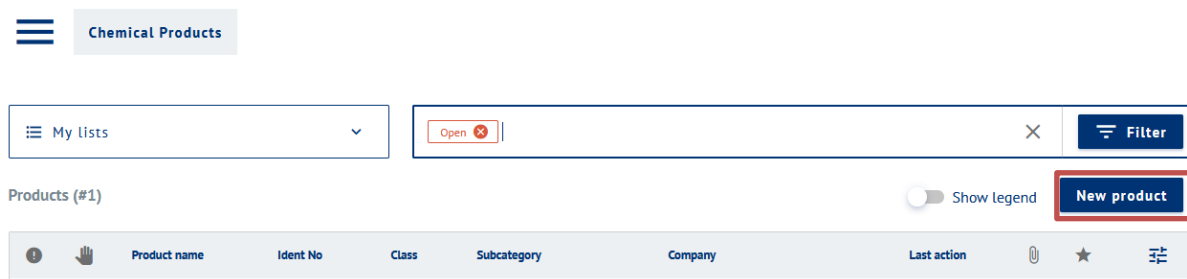


Figure 3.40: Create a new product

A 4-step creation wizard is opened with the following steps:

1. Product identification including product name and ident no
2. Duplicate check to ensure the product does not yet exist
3. Product categorization
4. Application (i.e. list of intended uses)

Note: In the bluesign® TOOL, mandatory data is always marked red.

3.6.1 Product identification

Provide the product name in all capital letters (e.g., PRODUCT NAME).

Note: Product names must be unique. In particular the following product names are not allowed: Chemical substance names, C.I names, product group names, functional names (e.g. Disperse Yellow S-4G, Reactive black 5, Pigment blue 7, Scouring agent for polyester, Tetrasodium-4-amino-5-hydroxy-3,6-bis[("E")-(4-{[2-(sulfonatooxy)ethylene]sulfonyl}phenyl)diazenyl]-2,7-naphthalene disulfonate)

The Ident No is your organization's unique identification code of the chemical product and should also be visible on the SDS. It is not mandatory, but it is extremely useful for traceability across the entire supply chain.

The sector of use is the first of 5 categorization elements. Similar to the REACH Use descriptor system the sector of use describes for which article types the chemical product is intended.

Note: a chemical product can only be registered for a single sector of use. If the product can be used for the manufacture of several article types, the product needs to be registered separately for each sector of use.

Note: you can either open the entire list and scroll through the list or start typing to search the list.

Note: Choose the sector of use carefully. This cannot be changed later. In case the wrong sector of use was selected, the product needs to be re-registered.

Sector of Use
Manufacture of fibers/yarns
Manufacture of textile products including fabrics, laminates and non-woven
Manufacture of down and feather products
Manufacture of garments and other finished textile goods (e.g., backpacks)
Manufacture of leather products
Manufacture of paper and paper products
Manufacture of plastic products and compounding (e.g., membranes, buckles)
Manufacture of rubber products
Manufacture of basic metals, including alloys
Manufacture of fabricated metal products
Use in supporting units (e.g., WWTP, freshwater preparation, power plant etc.)
Manufacture of wood products
Use as intermediate

Table 3.7: Sectors of use

The field Company is only available for Bluesign's chemical assessors. For any other user, products can only be registered for the own company.

Note: Not choosing a company will register the chemical product under the company the user belongs to (i.e. bluesign technologies for Bluesign's chemical assessors),

The screenshot shows a web interface for adding product identification. At the top, there is a progress bar with four steps: 1. Identification (active), 2. Duplicate check, 3. Categorization, and 4. Application. Below the progress bar, the form is divided into two columns. The left column contains 'Product name' and 'Sector of use'. The right column contains 'Ident No' and 'Company'. All fields are currently empty. A 'Next' button is located at the bottom right of the form.

Figure 3.41: Add product identification

3.6.2 Duplicate check

Based on the provided name and the ident no, a duplicate check is carried out to ensure the product does not yet exist.

If the product is found in the list, click "Select" to continue editing the details for the selected product.

If the product has not been found, click "Create new" to continue the creation wizard.

In case no comparable products have been found, this step is skipped, and you are taken directly to the third step of the creation wizard (i.e. Categorization).

The screenshot shows a wizard interface with four steps: 1. Identification, 2. Duplicate check (active), 3. Categorization, and 4. Application. Below the steps is a table of products for duplicate checking.

Product	IdentNo	Subcategory	Company	Edit
OH-TEST_ENL	OH-1234	240	AGC Inc.	Select
NICCA FI-NONE NB-730		4220	Nicca Chemical Co., ...	Select
REBRAND OF SIM PROD	SIM 123	1380	3M Protective Materi...	Select
Test - beb	beb-123	1020	Setas Kimya Sanayi A...	Select
TEST_PROD_MAT_FIN_1	TPMF_1	1590	LIDYE CHEMICAL CO.,L...	Select
EPS - Attachment Tes...	123	4140	3M Protective Materi...	Select
WL DEMO	123	1800	bluesign technologie...	Select
WL2 Demo2	1232	1800	AGC Inc.	Select

At the bottom right of the table, there is a pagination control: "Rows per page: 10" and "1-8 of 8".

At the bottom of the wizard, there are two buttons: "Back" and "Create new".

Figure 3.42: Duplicate check

3.6.3 Categorization

The product categorization consists of the category and a corresponding subcategory. Category and subcategory are unique for a chemical product.

Both elements need to be selected, but the order is not relevant. You can start with the subcategory or the category.

If you can't find the proper category, try changing the sector of use as category and subcategory are functions of the sector of use.

Note: It is possible to change at categorization at any time.

The screenshot shows a four-step process bar at the top: 1 Identification, 2 Duplicate check, 3 Categorization (active), and 4 Application. The main form area contains the following fields:

- Product name: Test WL 123
- Ident No: 123
- Sector of Use: Manufacture of leather products
- Category: (dropdown menu)
- Subcategory: (dropdown menu)

At the bottom, there are 'Back' and 'Next' buttons.

Figure 3.43: Product categorization

3.6.4 Applications

In the last step of the creation wizard, you can select as many applications for the chemical product as you want. At least one needs to be selected.

The application consists of process and subprocess. The order of selection is not relevant.

Note: all selected applications must be listed in the TDS. At the same time, all applications listed in the TDS must be reflected here.

Note: If an application is purposely excluded, especially because it is rated “black”, it must be stated on the TDS to not use the chemical product in this application.

Once the selection is done, click “Add” to add the application. Only now the application is stored for the product, and you can proceed to the 10-step editing wizard (see chapter 3.7).

Note: It is possible to remove or add applications at any time.

The screenshot shows a four-step wizard. Step 4, 'Application', is active. The form contains the following fields:

- Product name: Test WL 123
- Ident No: 123
- Sector of Use: Manufacture of leather products
- Category: Adhesives, sealants (for all uses)
- Subcategory: Adhesives for manual bonding; solvent-based
- Process: (dropdown menu)
- Subprocess: (dropdown menu)

An 'Add' button is located to the right of the dropdowns. Below the form is a table with two columns: 'Process' and 'Subprocess'. The table is currently empty, with a large plus icon in the center and the text 'Start adding your Application' and 'Use the add-button above'. At the bottom of the wizard are 'Back' and 'Next' buttons.

Figure 3.44: Add product applications

3.7 Edit or Update a product

Adding or editing data for chemical products is done in a 10-step workflow.

The edit mode can be started in many ways:

- Immediately after completing the 4-step creation wizard you are taken to the edit mode
- In the product list chose "Update" in the list of actions
- When viewing a product with status "open" click the "Edit" button
- When viewing a completed product (i.e. a product that has been reviewed and is possibly published on the bluesign® FINDER) click the "Renew" button

Note: Sections where data is still needed are marked with an exclamation point: ⚠

The edit mode consists of 10 different steps:

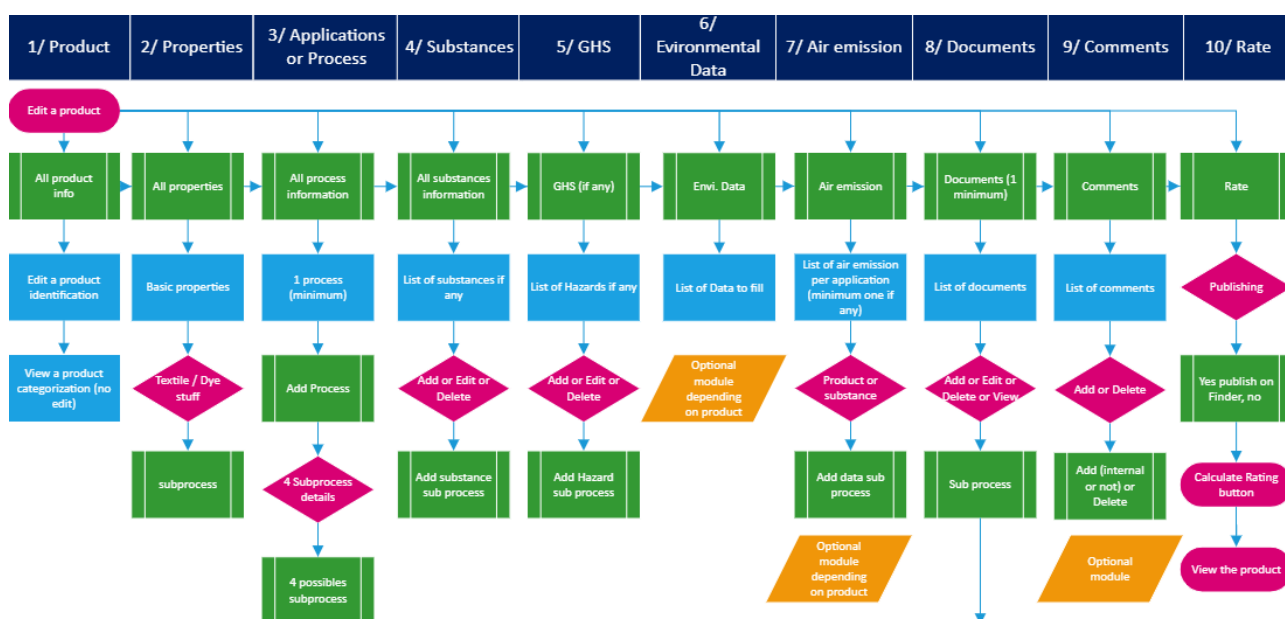


Figure 3.45: 10-step edit workflow

3.7.1 Product

3.7.1.1 Description

Two product descriptions are mandatory:

- **Technical description**

This is the product description that is usually also found on the TDS. It is being displayed in the bluesign® FINDER as well, provided the chemical product is published in the bluesign® FINDER.

- **Chemical description**

Provide a description of the chemical basis of the chemical product. This information is only visible to the chemical assessors and is not shared with other software applications such as the bluesign® FINDER.

The description must have the following information/format:

xx-yy%, chemical name (trivial or systematic), identifier (CAS, EC, etc.)

Identification	
Product name DEMO TEST	Ident No ENL-1950
Company	
Technical description direct dye for cellulosic dyeing, applied by exhaustion dyeing of cellulosic fibers and its blends.	Chemical description 19% Sodium <u>sulphate</u> CAS 7757-82-6

Figure 3.46: Editing product data

3.7.1.2 Alternative Names

Alternative names can also be provided for the chemical product. This is particularly useful to provide additional search possibilities in the bluesign® FINDER for chemical products. Note however that only the main product name of the registered product will be displayed in search results.

To add an alternative name, type the name and click "Add".

The alternative name is being displayed underneath the line. If you wish to remove an alternative name, click the cross.



Figure 3.47: Adding alternative names

3.7.1.3 Product ranges

A chemical product can be assigned to product ranges. This simplifies searching products and helps to identify products from the same product range.

Product ranges are also being displayed in the bluesign® FINDER.

To add a product range, choose the appropriate range from the list and click "Add".

Note: The list only shows product ranges from your own company.

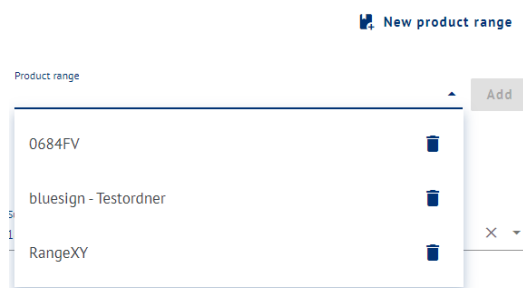


Figure 3.48: Adding product ranges

To remove a product range from your product, simply click the "X"



Figure 3.49: Removing product ranges

If the appropriate product range is not in the list, it can be added by clicking on "New product range" (1). Provide the name for the new product range and click "Save" (2).

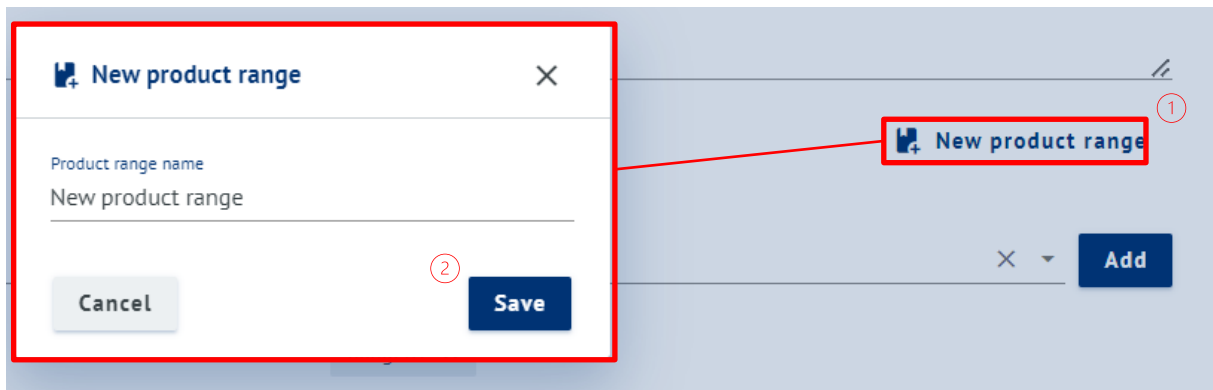


Figure 3.50: Creating new product ranges

If a specific product range is no longer in use, it can be deleted by clicking the recycle bin in the dropdown list of product ranges.

Note: Only product ranges that contain no chemical products can be deleted.

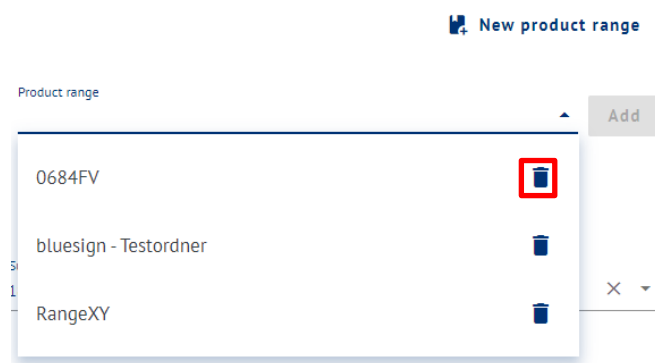


Figure 3.51: Deleting product ranges

3.7.1.4 Categorization

Some elements of the categorization can be updated here.

Only fitting categorizations can be selected. This means, only categories and subcategories defined for the chosen sector of use and the selected applications can be selected. Choose the new category or subcategory from the dropdown list. If you can't find the appropriate categorization, this means it is not defined for the current setup of sector of use and applications.

Note: Sector of use cannot be changed.

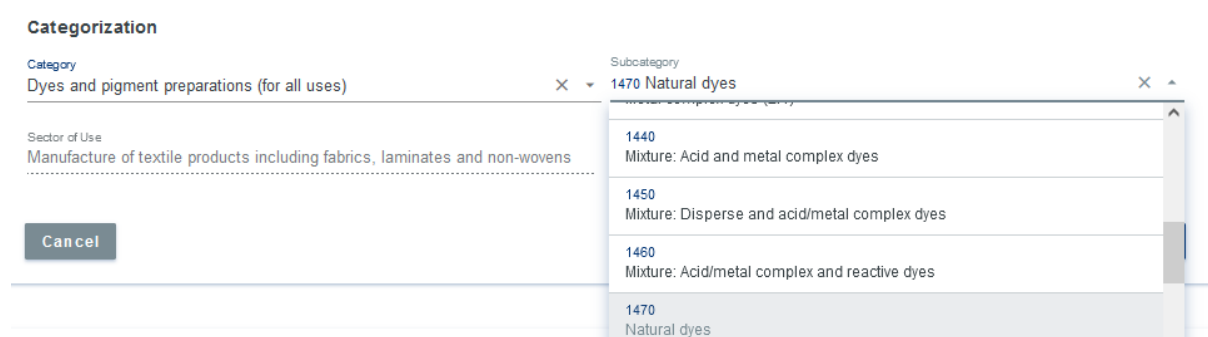


Figure 3.52: Changing product categorization

3.7.2 Properties

In the section "Properties" various product properties must be provided.

3.7.2.1 Physical chemical properties

The following physical chemical properties must be provided.

The bluesign® TOOL only offers relevant options to select. Depending on your selection, you will get different options to choose from.

Property	Description
Physical state	<p>Describes the physical state of the chemical product.</p> <p>This information is relevant to determine which scenarios and models must be calculated.</p> <p>Physical state</p> <p><input checked="" type="radio"/> Liquid <input type="radio"/> Solid</p>
Water solubility/miscibility	<p>Describes if the chemical product is soluble in water or can be mixed with water.</p> <p>This information is relevant to determine which scenarios and models must be calculated.</p> <p>Water solubility/miscibility</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
Solvent type	<p>Describes what solvent type has been used for the chemical product.</p> <p>This information is relevant to determine which scenarios and models must be calculated.</p> <p>In addition, specific rules regarding substance limits can apply for specific solvent types.</p> <p>Solvent type</p> <p><input checked="" type="radio"/> Water <input type="radio"/> Solvent <input type="radio"/> No solvent</p>

Table 3.8: Physical chemical properties

3.7.2.2 Product parameters

Product parameters are being used for scenario and model calculations, but also for evaluations on mill level.

Some product parameters are specific to the type of chemical product and must not be provided in all cases. The bluesign® TOOL only displays relevant parameters that need to be completed.

Property	Description
Share of chemical product intended to remain on the material after processing, regardless of fixation degree	Must be provided in % weight. The parameter is relevant for consumer safety calculations and describes how much chemical product is present in the final article.
Density	Must be provided in g/cm ³ .
Fixation degree exhaust	Only relevant for dyestuffs. Must be provided in %. Only absolute values are possible, no ranges. If data is available only in ranges use the following notation: > lower limit
Fixation degree continuous	Only relevant for dyestuffs. Must be provided in %. Only absolute values are possible, no ranges. If data is available only in ranges use the following notation: > lower limit

Table 3.9: Product parameters

3.7.2.3 Substrates

Chemical products that are being used in textile-related sectors of use (i.e. Manufacture of fibers/yarns; Manufacture of textile products including fabrics, laminates and non-woven; Manufacture of garments and other finished textile goods (e.g. backpacks)) require the information for which substrates they are intended.

This information is relevant for various calculation models.

Substrates

<input checked="" type="checkbox"/> Man made fibers (MMF)	<input type="checkbox"/> Natural fibers
<input type="checkbox"/> Acrylic (PAN)	<input type="checkbox"/> Cotton (CO)
<input type="checkbox"/> Elastane (spandex) (EL)	<input type="checkbox"/> Linen (LI)
<input type="checkbox"/> Lyocell (Tencel) (CLY)	<input type="checkbox"/> Silk (SE)
<input type="checkbox"/> Modal (CMD)	<input type="checkbox"/> Wool (WO)
<input type="checkbox"/> Polyamide (Nylon) (PA)	show more ...
<input checked="" type="checkbox"/> Polyester (PET/PES)	
<input type="checkbox"/> Polypropylene (PP)	
<input type="checkbox"/> Viscose (CV)	
show more ...	

Figure 3.53: Substrates

Substrates are divided by Man-made fibers (MMF) and Natural fibers. Select all substrates, that apply. To select all visible substrates from the list, click the check box next to the header of the table.

To show more, less common substrates, click "show more...".

3.7.3 Applications

In the section "Applications" all application recommendations according to the technical data sheet must be provided.

The data must be provided for each application separately. Select the application you would like to add data from the top. The active application is highlighted.

Depending on the application, different data is required. You are guided through this process by the bluesign® TOOL. Simply follow the on-screen instructions.

The screenshot shows the 'Applications' section of the bluesign® TOOL. The top navigation bar includes tabs for Product, Properties, Applications (highlighted with a red box), Substances, GHS Classification, Environmental Data, Air Emission, Documents, Comments, and Rate. The 'Applications' section displays two application cards: 'Application 240' (Batch processing) and 'Application 241' (Continuous processing). Below the cards, there are two radio button options for 'Additional process steps': 'Additional wet passage/process required' and 'Additional drying passage/process required', both with 'No' selected.

Figure 3.54: Applications

If an application is missing, it can always be added by selecting "Add application" (1).

In the dialogue that appears, choose "Process" and "Subprocess" and click "Save" (2).

Note: To add data to this new application, make sure to click it to activate it.

Note: You can only choose applications within the same sector of use and suitable for the product categorization. If you would like to register your chemical product for a different sector of use, it needs to be registered again under the different sector of use.

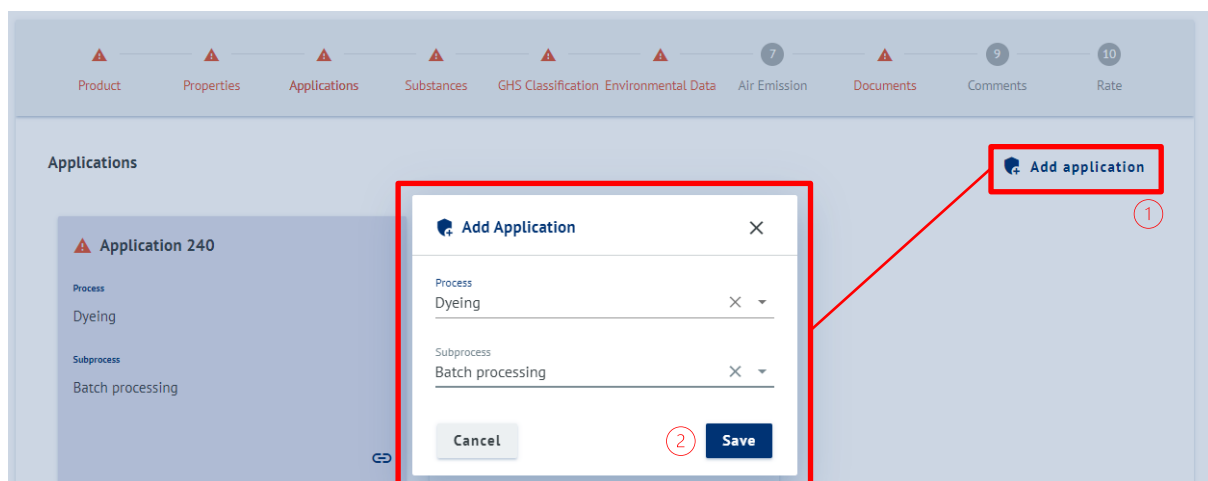


Figure 3.55: Adding applications

If you wish to deactivate an application, click the icon in the lower left of the application. Inactive applications are not respected in the calculation of the final product rating.

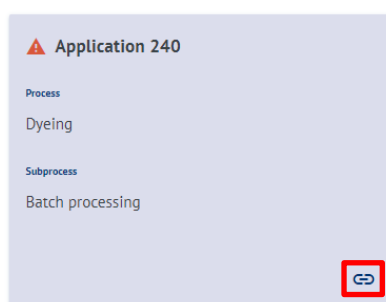


Figure 3.56: Deactivating applications

3.7.3.1 Additional process steps

If the technical data sheet explicitly states that additional wet (i.e. washing) or drying process steps are required, chose "Yes".

This is relevant for the calculation of consumer safety scenarios.

Additional process steps

Additional wet passage/process required : ☒ No ☐ Yes

Additional drying passage/process required : ☒ No ☐ Yes

Figure 3.57: Additional process steps

3.7.3.2 Application data

In the section Application data provide the application conditions as described in the technical data sheet.

Application parameters are pre-defined for usability purposes.

Choose the most appropriate application parameter and provide the value. In some cases, additional parameters are necessary to allow the bluesign® TOOL to calculate the amount of chemical product on the final article.

Note: If a range is provided in the technical data sheet, use the worst case for the calculation (i.e. the highest value).

Application data

Parameters

Parameter	Value	Unit
Material add-on, wet	10	%

Figure 3.58: Additional parameters

Parameter	Description
Material add-on, wet	Describes the add-on to the material in wet state. Can be provided in % or as g/m ² . If the second is chose, the reference weight of the material must be provided as well (use worst case approach, i.e. heaviest recommended material)
Liquor concentration	Describes the liquor concentration. Can be provided in g product / kg liquor or g product / l liquor. Depending on the application, either a liquor ration (Format 1:n) or a liquor pick-up (in %) must be provided.
Maximum recommended content in recipe	Mainly used for chemical products that are used as intermediates or in case the chemical product is not ready to use. Provide the maximum recommended content of chemical product in the recipe.

Table 3.10: Product parameters

For specific products in specific applications additional information such as affinity to material or if the product is ready to use may be required.

Behavior

Chemical product remains on article

☒ yes ☐ no ☐ not applicable

Figure 3.59: Affinity to material

If the chemical product is not ready to use, provide the maximum recommended content in the recipe in %.

Ready to use

☐ Yes ☒ No

Parameter	Value	Unit
Maximum recommended content in recipe		%

Figure 3.60: Ready to use

3.7.4 Substances

In the section substances all of the following substances contained in the chemical product must be provided:

- Active substances
- Additives
- Impurities (hazardous or Bluesign-related)

For more information about which substances must be declared refer to *Guideline - Product Stewardship for Chemical Suppliers* (See download area in [bluesign® CUBE](#)).

3.7.4.1 Add substance

Click "Add substance" (1) to open the dialogue to add substance information.

Only predefined substances can be added to the chemical product.

Once the substance is selected, click the button "Add" (2) to add the data to your product.

Note: You can choose from over 70'000 chemical substances. Search by name or CAS number of the chemical product. Results are provided in alphabetical order.

Note: Searching by names can yield a large number of matches, it is recommended to use the CAS number to easily identify the substance.

Note: If you can't find the relevant chemical substance, contact your chemical assessor. The chemical assessor can help you identify the right substance or follow up in case the substance has not yet been added to the database.

In addition, add the substance name and CAS number of the missing chemical substance in chemical description (see chapter 3.7.1.1).

Special case metals: The BSBL and BSSL limits apply to the metal as content. In those cases, the specific metal "as content" also needs to be added to the chemical product.

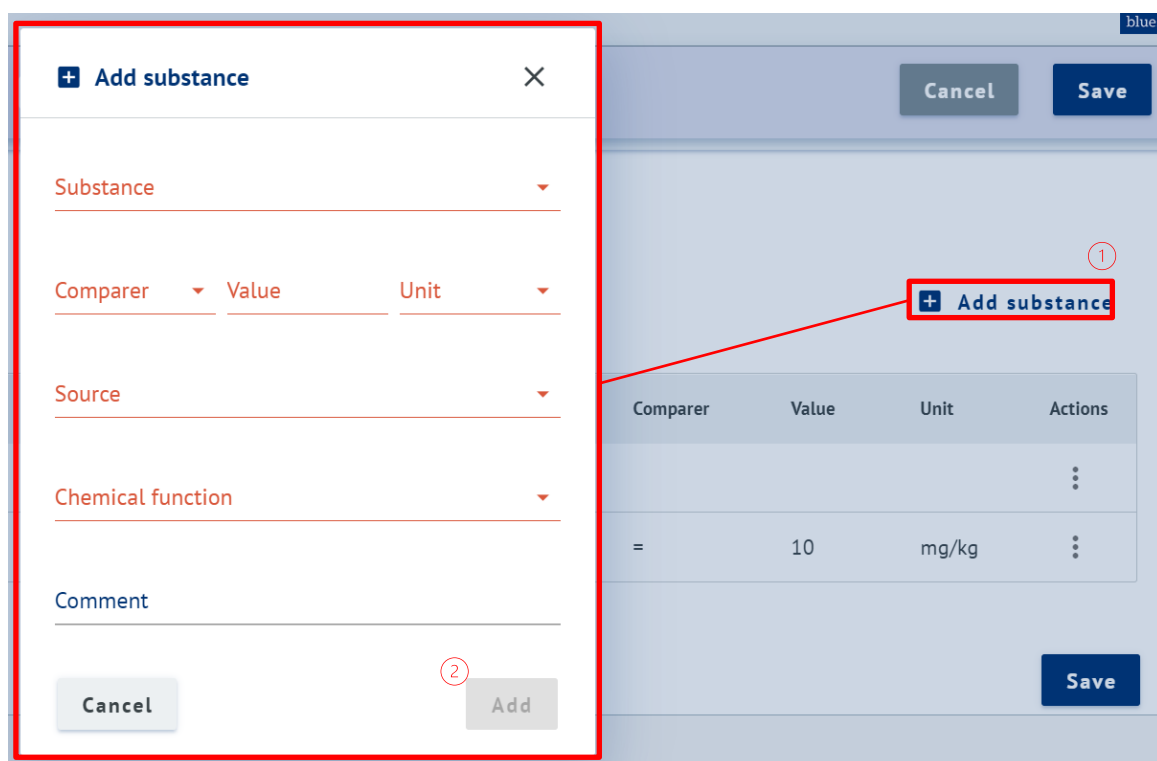


Figure 3.61: Adding substances

Substances and substance groups can be added. Substance groups are printed in bold in the substances list to help to identify them.

It is also possible to add a substance group and a specific substance from the corresponding group. In this case, the amount of the group must be provided as total amount including the substance that is listed separately.

Note: If there are no limits defined for the group, bluesign® TOOL will compare the substance against the most stringent limit of member substances. This is a worst-case evaluation. If you wish to have a more accurate evaluation, please provide more detailed substance information.

Chose the appropriate comparer for the value.

In case the substance is not detected, choose n.d. and provide the detection limit of your test method.



Figure 3.62: Adding detection limit

The source describes, how the value was established. You have the following options to choose from:

Parameter	Description
measured - third party lab	<p>Measured in an external lab</p> <p>If this is selected, the test method must be provided as well in a separate field</p> <p>Source measured - third party lab X ▾</p> <p>Testmethod</p>
measured - own lab	<p>Measured in an own lab</p> <p>If this is selected, the test method must be provided as well in a separate field</p> <p>Source measured - own lab X ▾</p> <p>Testmethod</p>
calculated - based on own data	Calculated based on own data such as reference products etc.
calculated - based on composition/molecular structure	Calculated based on composition or molecular structure
calculated - based on supplier data	Calculated based on supplier data of raw materials
calculated - based on literature data	Calculated based on literature data. Add the source in the comments.
estimated - based on own data	Estimated based on own data such as reference products etc.
estimated - based on supplier data	Estimated based on supplier data of raw materials
estimated - based on literature data	Estimated based on literature data. Add the source in the comments

Table 3.11: Sources

The chemical function describes why the substance is in the chemical product. This is particularly relevant for BSBL and BSSL module as different rules may apply depending on the chemical function.

You have the following options to choose from:

Parameter	Description
Ingredient (intended)	The substance is an intended ingredient such as the active substance
Impurity (unintended)	The substance in an unintended impurity
Solvent (intended)	The substance is the solvent
Preservative (intended)	The substance is added intentionally as a preservative to the chemical product
Metal content of metal complex dye	The substance is the metal content in a metal content dye
Blocking agent (free content)	The substance is the blocking agent (free content)
Reactive component (free content)	The substance is a reactive component (free content)

Table 3.12: Chemical function

Optionally you can provide additional comments to support your registration.

Click "Add" to add the substance or substance group to your chemical product.

In case there are no substance you can add to your chemical product and you wish to continue without substances, click the checkbox "No substances found – continue without substances".

Substances

☐ No substances found – continue without substances
 + Add substance


Substance/Group	CAS	Comparer	Value	Unit	Actions
 <p>Start adding your substances Use the add-button above</p>					

Figure 3.63: Product containing no relevant substances

3.7.4.2 View substances

The substances you have added are being displayed by groups according to the Bluesign default substance allocation.

Groups are automatically added to the substances you have provided.

To display additional information, click the triangle to the left of the substance to expand the substance and view additional information such as specifier (in case an additional information is necessary to clearly identify the substance), source including the test method if applicable, the chemical function as well as any optional comment.

Substances

☐ Product does not contain relevant substances

[+ Add substance](#)

Substance/Group	CAS	Comparator	Value	Unit	Actions
Aldehydes					⋮
▼ Acetaldehyde	75-07-0	=	300	mg/kg	⋮
▲ Formaldehyde	50-00-0	n.d.	100	mg/kg	⋮
Input Specifier: Source: measured - own lab - inhouse method Chemical function: Impurity (unintended) Comment: Formaldehyde present in raw material, but not detected in chemical product					
Glycols					⋮
▼ 2-Methoxy-1-propanol	1589-47-5	=	50	mg/kg	⋮
Metals					⋮
Cadmium, its salts and compounds					⋮
▼ Cadmium	7440-43-9	=	1001	mg/kg	⋮
Polyaromatic hydrocarbons (PAHs)					⋮
▼ Benzo(a)pyrene	50-32-8	≤	10	mg/kg	⋮

Cancel

Save

Figure 3.64: Viewing added substances

3.7.4.3 Edit substance

If you wish to edit the substance, click on the three Action dots on the right of the substance.

You can update the information that has been provided earlier. This will take you back to the dialogue where you provide data for your substance.

Note: Some groups cannot be edited. This applies mainly to groups that are too general to allow a meaningful chemical assessment.

You can also completely delete the substance.

This is only possible if there is no reference to this substance in the GHS section. Otherwise, the delete button will be disabled.

Deleting a group will remove all substances from the group as well. Deleting the last member of a group will also remove the group.

Substances

☐ Product does not contain relevant substances

[+ Add substance](#)

Substance/Group	CAS	Comparer	Value	Unit	Actions
Aldehydes					⋮
▼ Acetaldehyde	75-07-0	=	300	mg/kg	⋮
▼ Formaldehyde	50-00-0	n.d.	100	mg/kg	⋮
Glycols					
▼ 2-Methoxy-1-propanol	1589-47-5	=			⋮

Update
Delete

Figure 3.65: Editing substances

3.7.5 GHS Classification

In the section GHS Classification, the product classification according to the safety data sheet must be provided.

3.7.5.1 Add GHS hazard statement

Click "Add hazard" (1) to open the dialogue to add hazards.

You can search by hazard code, category, or statement to find the relevant hazard.

Optionally you can also add comments and "Save" (2).

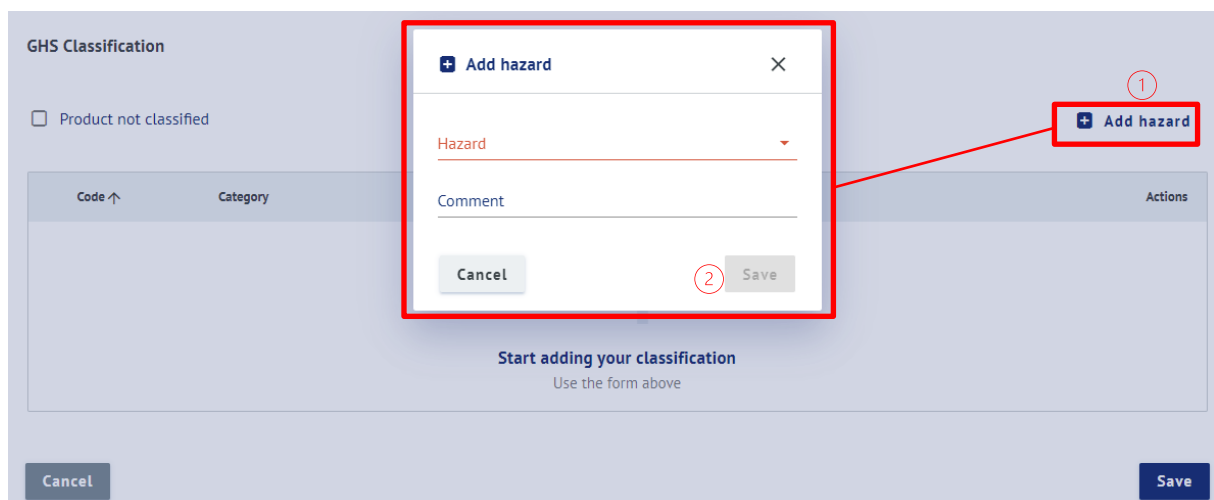


Figure 3.66: Adding hazards

Depending on your choice and the chemical product, some additional information is required:

- For health hazards, where not already clearly defined by the hazard itself, the relevant exposure route must be provided
- H317 can require additional information about sensitization of the finished article
- Various hazards, especially the CMR related hazards, require in addition the substances leading to the classification.

Choose the relevant substance(s) from the dropdown list.

Note: You can only select substances that have been added to the chemical product in the previous step.


Note: If the relevant substance is not available in the bluesign® TOOL, choose "Substance not found". In this case, you must provide the relevant substance(s) with name and CAS in the comment before proceeding.

In case the chemical product is not classified, select "Product not classified" and continue the process.

GHS Classification

☐ Product not classified

[+ Add hazard](#)

Code ↑	Category	Statement	Actions
<div></div> <p>Start adding your classification Use the form above</p>			

Cancel

Save

Figure 3.67: Product not classified

3.7.5.2 View GHS hazard statements

The GHS hazard statements you have added are being displayed by hazard codes.

To display additional information, click the triangle to the left of the entry to expand the line and view additional information such as exposure route, substance(s) leading to the classification, sensitization data where applicable as well as any optional comment.

Code ↑	Category	Statement	Actions
H225	Flam. Liq. 2	Highly flammable liquid and vapour	⋮
▲ H317	Skin Sens. 1	May cause an allergic skin reaction	⋮
Exposure route: Dermal Substance: Benzo(a)pyrene			
▼ H318	Eye Dam. 1	Causes serious eye damage	⋮
H410	Aquatic Chronic 1	Very toxic to aquatic life with long lasting effects	⋮
H420	Ozone 1	Harms public health and the environment by destroying ozone in the upper atmosphere	⋮

Figure 3.68: Viewing GHS hazard statements

3.7.5.3 Edit GHS hazard statement

If you wish to edit the GHS hazard statement, click on the three Action dots on the right of the respective line.

You can update the information that has been provided earlier. This will take you back to the dialogue where you can update the data.



You can also completely delete the GHS hazard statement by selecting "Delete".

GHS Classification

☐ Product not classified

[+ Add hazard](#)

Code ↑	Category	Statement	Actions
H225	Flam. Liq. 2	Highly flammable liquid and vapour	⋮
▼ H317	Skin Sens. 1	May cause an allergic skin reaction	⋮
▼ H318	Eye Dam. 1	Causes serious eye damage	⋮
H410	Aquatic Chronic 1	Very toxic to aquatic life with long lasting effects	⋮
H420	Ozone 1	Harms public health and the environment by destroying ozone in the upper atmosphere	⋮

 Update
 Delete

Cancel

Save

Figure 3.69: Editing GHS hazard statements

3.7.6 Environmental Data

In the section environmental data additional environmental data must be provided. This is mainly data relevant for the wastewater.

Environmental data is not mandatory for chemical products that are exclusively used in processes that have no release to the wastewater. In all other cases, the data is mandatory.

There are three sections within environmental data:

- **Mandatory data- Developing level (L2)**
This data is mandatory. Although not all parameters are rated, the data is used in analyses and calculations on mill level.
- **Recommended data – Progressive level (L3)**
This data is not mandatory. It is extremely useful to better understand the chemical product and its impacts on the wastewater and for plausibility checks.
- **Recommended data – Aspirational level (L4)**
This data is not mandatory. It is extremely useful to better understand the chemical product and its impacts on the wastewater and for plausibility checks.

Note: In specific cases additional data is also mandatory for a complete risk assessment. Cases include in particular biocidal products, flame retardants, and nanoscale materials/structures as defined in the annexes to the bluesign® criteria for chemical assessment (see chapter 5.3).

Mandatory data – Developing level (L2)

Parameter	Short	Comparer	Value	Unit	Testmethod	Source	Actions
Chemical oxygen demand	COD	=	1000	mg/g		calculated - based on composition/molecular structure	⋮
Biochemical oxygen demand	BOD5			mg/g			⋮
Total phosphor content	P, total			%			⋮
Total nitrogen content	N, total			%			⋮
Adsorbable organic halogen (AOX) content	AOX (Cl, Br and I)			%			⋮
Fluorine content	F			%			⋮

Recommended data – Progressive level (L3)

Parameter	Short	Comparer	Value	Unit	Testmethod	Source	Actions
Acute aquatic toxicity (fish)	LC 50			mg/l			⋮
Acute aquatic toxicity (daphnia species)	EC 50			mg/l			⋮
Acute aquatic toxicity (algae species)	ErC 50			mg/l			⋮
Acute aquatic toxicity (bacteria)				mg/l			⋮
Biodegradability		=	80	%	OECD 302 B	measured - third party lab	⋮
Aliphatic hydrocarbon content		=	10	%		calculated - based on composition/molecular structure	⋮

Recommended data – Aspirational level (L4)

Parameter	Short	Comparer	Value	Unit	Testmethod	Source	Actions
Chronic aquatic toxicity (fish)	NOEC or ECx			mg/l			⋮
Chronic aquatic toxicity (daphnia species)	NOEC or ECx			mg/l			⋮
Chronic aquatic toxicity (algae species)	NOEC or ECx			mg/l			⋮

Figure 3.70: Sections under environmental data

3.7.6.1 Add environmental parameters

All parameters are predefined. No other parameters can be added.

To provide data for a parameter, either choose "Update" from the Actions, or click the parameter directly. The edit dialogue opens where the relevant data can be provided.

Make sure to provide the data with the required unit.

The source describing how the value was determined can optionally also be provided. The sources are the same the ones for substances in chapter 3.7.4.1.

Note: If you chose any measured entry, you must choose from the recommended test methods. In case you used a different test method, select "Other" and provide the test method in a separate field.

The screenshot shows a software interface with a modal dialog box titled "Update environmental parameter". The dialog is positioned over a table of environmental parameters. The dialog contains the following fields and options:

- Parameter:** A text field containing "Chemical oxygen demand (COD)".
- Unit:** A text field containing "mg/g".
- Source:** A dropdown menu with the word "Source" as the placeholder.
- Recommended testmethods:** A list box containing "DIN 38409-41" and "ISO 6060".
- Comment:** A text area for additional notes.
- Buttons:** "Cancel" and "Save" buttons at the bottom.

The background table is divided into two sections:

- Mandatory data - Developing level (L2):** A table with columns "Parameter", "Short", and "Actions". It lists parameters like "Chemical oxygen demand (COD)", "Biochemical oxygen demand (BOD5)", "Total phosphor content (P, total)", "Total nitrogen content (N, total)", "Adsorbable organic halogen (AOX) content", and "Fluorine content (F)".
- Recommended data - Progressive level (L3):** A table with columns "Parameter", "Short", "Unit", and "Actions". It lists parameters like "Acute aquatic toxicity (fish)" and "Acute aquatic toxicity (daphnia species)".

Figure 3.71: Adding environmental parameters

3.7.6.2 View environmental parameters

In case there is more data to your parameter than already visible in the default line, click the triangle to the left of the parameter to expand the parameter and view additional information such as test method where applicable as well as any optional comment.

Mandatory data – Developing level (L2)

Parameter	Short	Comparer	Value	Unit	Testmethod	Source	Actions
▲ Chemical oxygen demand	COD	=	1000	mg/g	Other	measured - third party lab	⋮
Comment: Testmethod comparable to DIN 38409-41 Testmethod: Inhouse method							
▲ Biochemical oxygen demand	BOD5			mg/g			⋮

Figure 3.72: Viewing environmental parameters

3.7.6.3 Edit environmental parameters

If you wish to edit the parameter, click on the three Action dots on the right of the parameter or the parameter directly.

You can update the information that has been provided earlier. This will take you back to the dialogue where you provide data for your parameter.

Since parameters are predefined, they cannot be deleted. Instead, you can clear all data at once by clicking "Clear" in the context menu from the three Action dots.

Mandatory data – Developing level (L2)

Parameter	Short	Comparer	Value	Unit	Testmethod	Source	Actions
▲ Chemical oxygen demand	COD	=	1000	mg/g	Other	measured - third party lab	⋮
Comment: Testmethod comparable to DIN 38409-41 Testmethod: Inhouse method							
▲ Biochemical oxygen demand	BOD5			mg/g			⋮

Figure 3.73: Editing environmental parameters

3.7.7 Air Emission

In the section Air Emission, emission parameters can be provided.

Air emission data is not mandatory for all chemical products. It is only mandatory for chemical products used in processes with air emissions, or in processes, that are typically followed by additional processes with significant air emissions (e.g., drying processes).

Air emission must be provided for each application separately as it can differ from one application to the next depending on the application conditions. Select the application you would like to add data from the top. The active application is highlighted.

3.7.7.1 Add air emission parameters

Click "Add parameter" to open the dialogue to add air emission parameter data.

The following data must be provided:

- **Parameter**
Depending on the application, the following parameters can be provided:
Total Organic Carbon or Volatile Organic Carbon.
- **Emission Type**
For Total Organic Carbon, either the emission factor or the content can be provided while Volatile Organic Carbon must be provided as content or in special cases as g VOC / L product for solvent-based lacquers.
- **Substrate/Conditions**
For emission factors, the substrate as well as the measurement conditions must be provided from the list.
Should your conditions differ from the standard measurement conditions please provide a note in the comments.
- **Source**
The source describes, how the value was determined. The sources are the same ones for substances in chapter 3.7.4.1.
Note: If you chose any measured entry, you must provide the test method in a separate field.

Note: Multiple parameters can be provided to reflect for instance data for different substrates (CO vs. PES) or different measurement conditions.

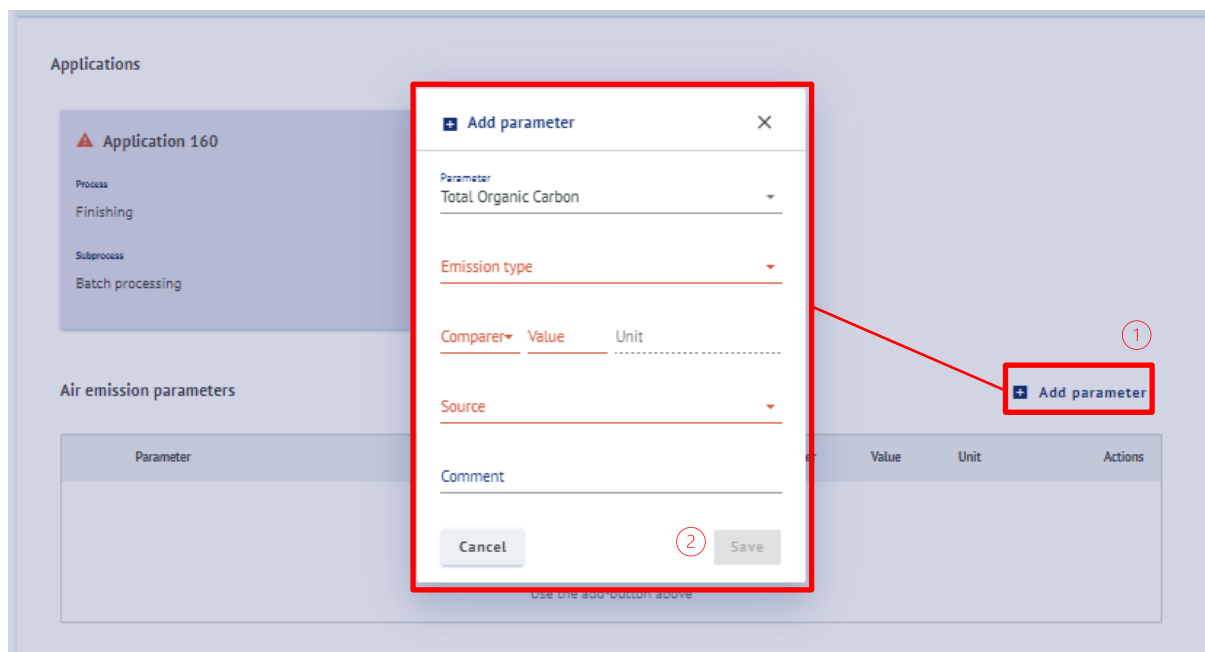


Figure 3.74: Adding air emission parameters

3.7.7.2 View air emission parameters

In case there is more data to your parameter than already visible in the default line, click the triangle to the left of the parameter to expand the parameter and view additional information such as condition, source, test method where applicable as well as any optional comment.

Air emission parameters + Add parameter

Parameter	Emission type	Comparator	Value	Unit	Actions
<div style="border: 1px solid red; padding: 2px; display: inline-block;">▲</div> Total Organic Carbon	Emission factor (CO)	=	0.4	g TOC/kg product	⋮
Condition: substrate: CO temperature (°C): 170 duration (min): 4 Source: calculated - based on composition/molecular structure Comment:					
▼ Total Organic Carbon	Emission factor (PES)	=	4	g TOC/kg product	⋮

Figure 3.75: Viewing air emission parameters

3.7.7.3 Edit air emission parameters

If you wish to edit an air emission parameter, click on the three Action dots on the right of the hazard.

You can update the information that has been provided earlier. This will take you back to the dialogue where you provide data for air emission parameter.

You can also completely delete the air emission parameter by selecting "Delete".

Parameter	Emission type	Comparer	Value	Unit	Actions
▲ Total Organic Carbon	Emission factor (CO)	=	0.4	g TOC/kg product	⋮
Condition: substrate: CO temperature (°C): 170 duration (min): 4 Source: calculated - based on composition/molecular structure Comment:					<div><div></div> Update</div> <div><div></div> Delete</div>
▼ Total Organic Carbon	Emission factor (PES)	=	4	g TOC/kg product	⋮

Figure 3.76: Editing air emission parameters

3.7.8 Documents

Various documents must be attached to support the registration. Mandatory are in particular the most recent versions of the safety data sheet and the technical data sheet. Dyestuffs require in addition color cards.

Depending on the chemical product and the substances in the chemical product, additional test reports may be required as well.

For additional information regarding supporting documentation, refer to the most recent version of the *Guideline - Product Stewardship for Chemical Suppliers*, chapter 13 (See download area in [bluesign® CUBE](#)).

3.7.8.1 Add documents

Click "Add document" (1) to open the dialogue to add documents to support your application.

For each document, the following data must be provided:

- **Type**
Describes what type of document it is. You can choose from: SDS (Safety Data Sheet), TDS (Technical Data Sheet), PSF (Product Screening Form), Test report, Color card or Other...
- **Issue date**
Describes the issue date of the document.
- **Comment**
Optionally a comment can be added.

Click the button "Add" (2) to upload the document.

Note: There are no specific requirements or limitations regarding file name, characters in file name, file type, or file size. Depending on the connection speed however, uploading large files could lead to a time-out.

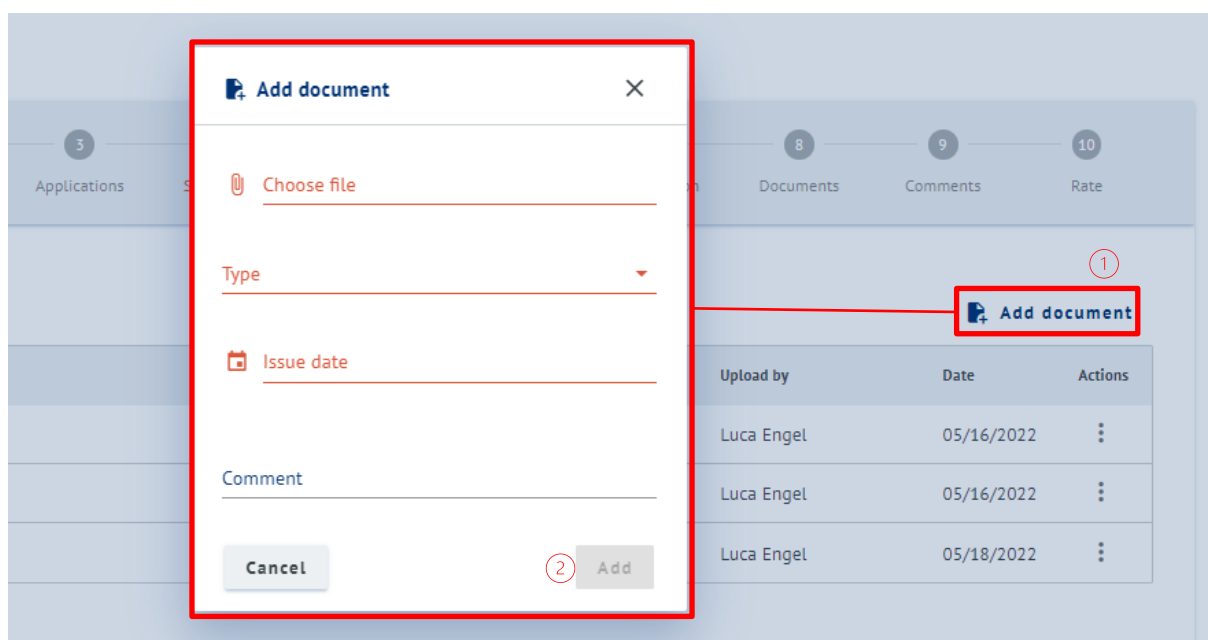


Figure 3.77: Adding documents

3.7.8.2 View documents

All attached documents are listed in the table. For easy navigation, the documents can be sorted by clicking the arrows right to the column headers.

To show document comments, click the triangle to the left of the document to expand the line and view additional information.

To open a document simply click anywhere in the line.

Note: make sure to enable pop-ups, otherwise it is possible the browser prevents the document from opening.

3.7.8.3 Edit documents

Uploaded documents cannot be edited. If you have uploaded the wrong document or made a mistake in providing the additional document data, the document needs to be uploaded again. Contact your chemical assessors to delete the faulty document. Documents can only be deleted by chemical assessors.

3.7.9 Comments

There are two types of comments in bluesign® TOOL:

- **Comments**

Comments are entered by users and support the communication between the user and the chemical assessor.

Chemical assessors additionally have the option to add internal comments that are only visible to chemical assessors. These comments can be used to document the chemical assessment decision.

- **Activity**

Activities are documented by the system and provide information on what has happened when.

Comments and activities can be shown at the same time in chronological order by selecting the "All" tab.

Comments are listed in chronological order with the most recent comment on top.

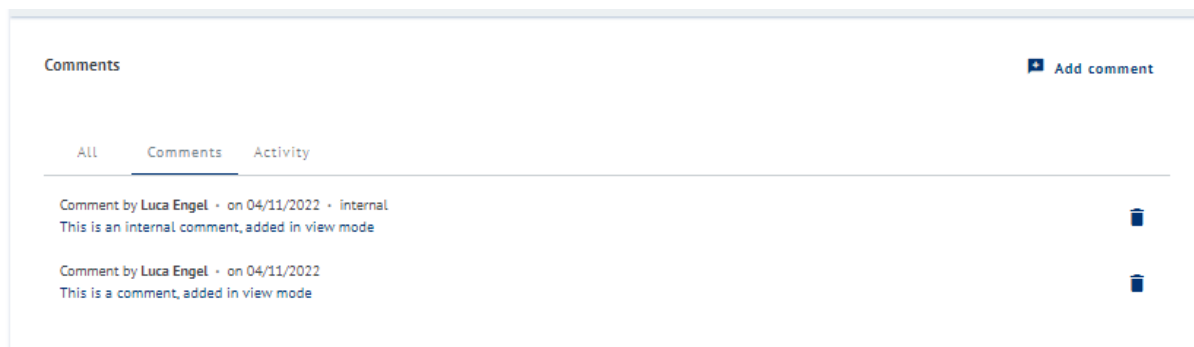


Figure 3.78: Comments of a chemical product

Comments

Add comment

All

Comments

Activity

Updated by Luca Engel · on 05/16/2022

Hidden status_changed by Luca Engel · on 04/11/2022
Hidden status: False

Hidden status_changed by Luca Engel · on 04/11/2022
Hidden status: True

Hidden status_changed by John Sample · on 03/18/2022
Hidden status: False

Hidden status_changed by John Sample · on 03/18/2022
Hidden status: True

Visibility changed by Luca Engel · on 02/21/2022
Visibility: Public

Updated by Luca Engel · on 02/21/2022

Created by Luca Engel · on 02/21/2022
Goes along with the trainings

Figure 3.79: Activities of a chemical product

3.7.9.1 Add comment

Click "Add comment" (1) to open the dialogue to add comments.

Then click "Add"(2) to save your comment.

Note: These comments are a means to support the communication between the chemical assessor and the user. Comments are not shared with other applications such as the bluesign® FINDER.

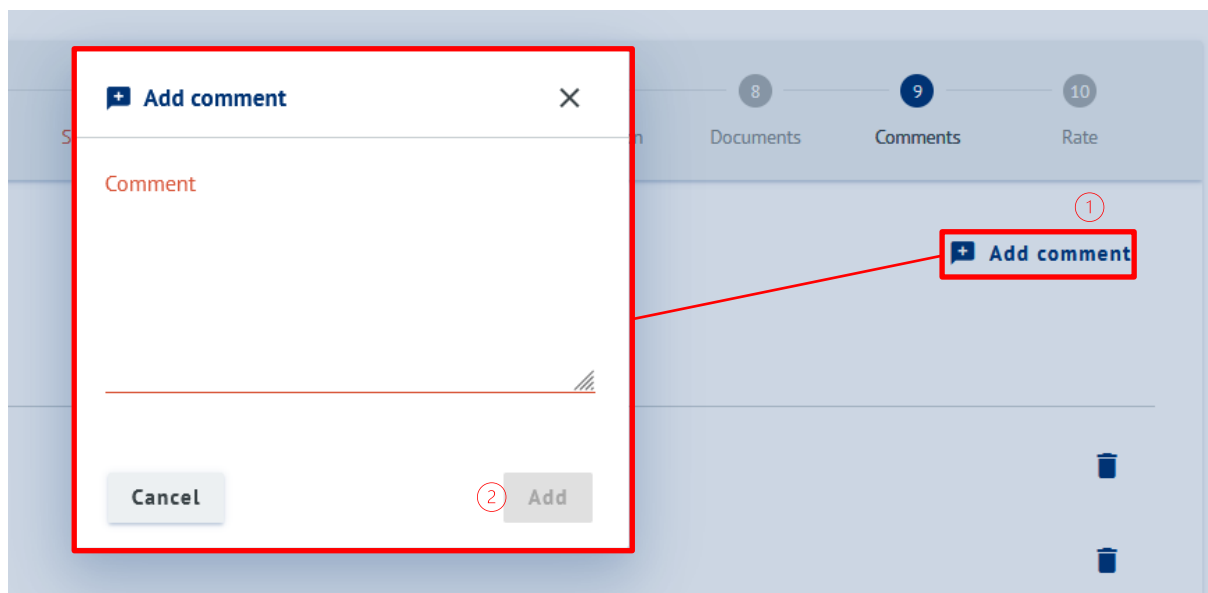


Figure 3.80: Adding a comment

3.7.9.2 Edit comment

Since comments also serve as documentation of the chemical assessment decision, they cannot be edited or deleted.

3.7.10 Rate

In the final step, the rating is calculated.

The rating is only calculated if all required data has been provided. Otherwise, the bluesign® TOOL cannot complete the different scenario calculations.

Note: Missing sections are marked with an exclamation point icon (⚠). Within any section, missing data is highlighted in red.

In this step the visibility of the chemical product can be set. The following table shows the different visibilities. By default, the visibility is set to "Public".

Name	Description
Public	The chemical product is published to the bluesign® FINDER and all subsequent system provided it is bluesign® APPROVED
Private	<p>The chemical product is not published to the bluesign® FINDER and subsequent systems. In particular, private chemical products are not shared with the ZDHC Gateway. They are only visible in bluesign® TOOL.</p> <p>Private chemical products are however available in the Chemical Inventory module in the bluesign® CUBE with the calculated rating.</p> <p>Private can only be used in specific cases and needs to be approved by the chemical assessor.</p>

Table 3.13: Visibility of chemical products in bluesign® TOOL

Click "Calculate rating" to calculate the rating.

1 Product 2 Properties 3 Applications 4 Substances 5 GHS Classification 6 Environmental Data 7 Air Emission 8 Documents 9 Comments 10 Rate

Visibility

☒ **Public:** Visible on bluesign®FINDER if product is bluesign®APPROVED

☐ **Private:** Only visible on bluesign®TOOL, chemical product is not published on bluesign®FINDER

Cancel Calculate rating

Figure 3.81: Setting visibility and calculating rating

Once the rating is calculated, the calculation result is directly being displayed. Refer to chapter 3.4 for details.

3.8 Submit a product

To complete the registration process, chemical products must be submitted to Bluesign for review.

To submit a chemical product, open the chemical product and click "Submit" (1).

A pop-up appears with a brief summary.

Confirm the action by clicking "Submit" (2).

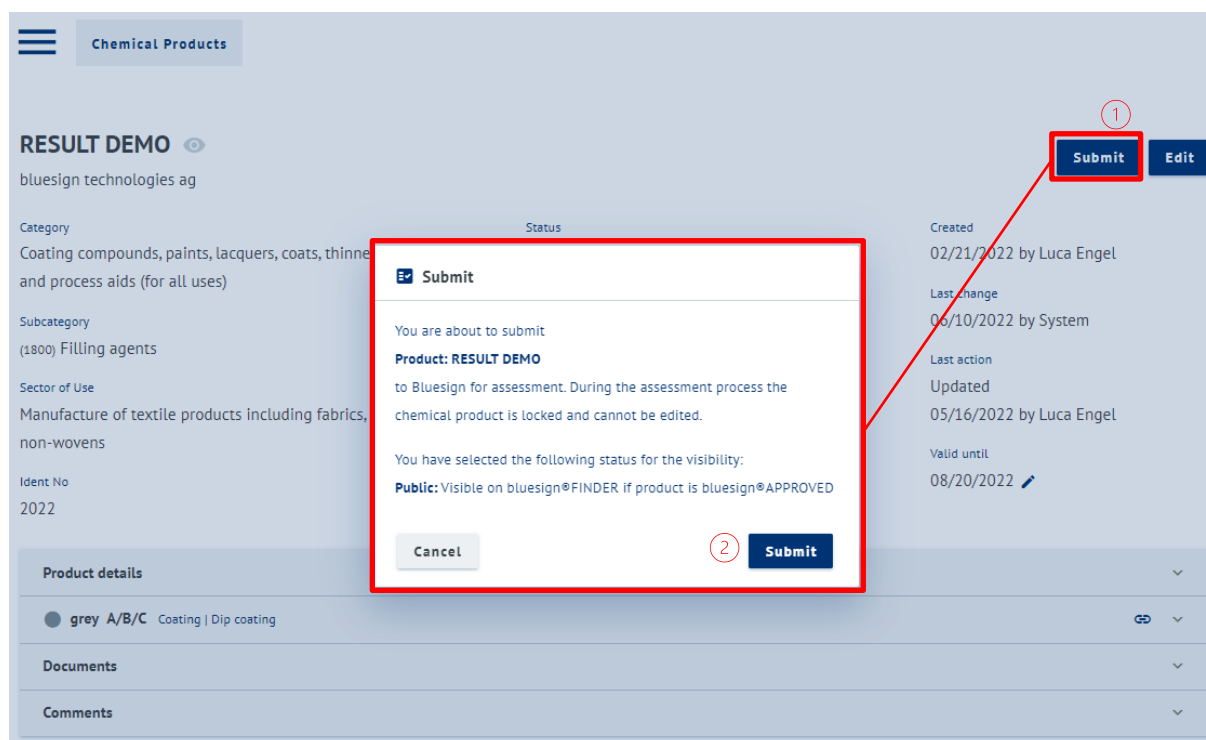


Figure 3.82: Submitting a chemical product

The status of the chemical product changes immediately to "in review".

While a chemical product is "in review" it is locked and cannot be edited.

Bluesign's chemical assessors will review the data and either complete the registration process and publish the chemical product on the bluesign® FINDER (depending on the visibility settings and the calculated rating) or reject the product in case the data is incomplete.

Note: There are no notifications in the bluesign® TOOL. There is no automatic information of the chemical assessor to review the chemical product. Please inform your chemical assessor using separate channels.

3.9 Renew a product

If completed products need to be updated, they must first be renewed.

This functionality is only available to Bluesign's chemical assessors. Please contact your chemical assessor and request the product in question to be renewed.

Once the chemical product is renewed, the status of the chemical product is changed to "open".

Now you can click "Edit" to started updating the chemical product. For more details on how to edit chemical products, refer to chapter 3.7.

Note: After any change, the previously calculated rating is removed. At the end of the process, the rating needs to be calculated again.

Note: If the product was published to the bluesign® FINDER before. The approved version remains in the bluesign® FINDER until the changes have been approved by the chemical assessor. This means, a renewed product must also be submitted and reviewed by Bluesign.

3.10 Archive a product

Since data from products are used in site assessments, chemical products cannot be deleted.

Alternatively, chemical products that are no longer in use can be archived.

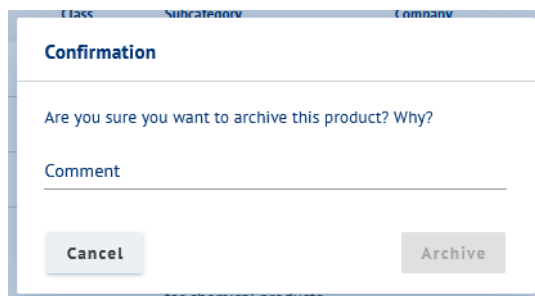
To archive a product, select the "Archive" from the Actions context menu at the right of the chemical product in the product list.

The screenshot shows the Bluesign product list interface. At the top, there is a search bar with 'demo' entered and a 'Filter' button. Below the search bar, the text 'Products (#4)' is displayed. A table lists four products: 'PRODUCT DEMO', 'DISPERSE DYE DEMO', 'RESULT DEMO', and 'INTERMEDIATE DEMO'. The 'PRODUCT DEMO' row is selected. A context menu is open on the right side of the table, showing options: 'Update', 'Copy', 'Rebrand', 'Hide', and 'Archive'. The 'Archive' option is highlighted with a red box.

	Product name	Ident No	Class	Subcategory	Company	Last action			
	PRODUCT DEMO	demo-1		Filling agents	bluesign technologies ag	30/03/2022	4		
	DISPERSE DYE DEMO	01-02		Disperse dyes	bluesign technologies ag	21/02/20			
	RESULT DEMO	2022		Filling agents	bluesign technologies ag	21/02/20			
	INTERMEDIATE DEMO	32-23		Antimicrobial and other biocidal products as preservative preparation for chemical products	bluesign technologies ag	21/02/20			

Figure 3.83: Archiving a chemical product

When archiving a product, a comment is required to explain the reason for archiving this product. The comment will be saved in the comments section of the chemical product.



A confirmation dialog box titled "Confirmation" with a light blue header. The main content area contains the text "Are you sure you want to archive this product? Why?" followed by a text input field labeled "Comment". At the bottom, there are two buttons: "Cancel" on the left and "Archive" on the right. The dialog is overlaid on a blurred background of a product list.

Figure 3.84: Adding a mandatory comment when archiving a chemical product

Archived products cannot be updated anymore. Archived products are not published on the bluesign® FINDER regardless of their visibility settings.

Archived products can be reactivated using the "Activate" function in the Actions context menu.

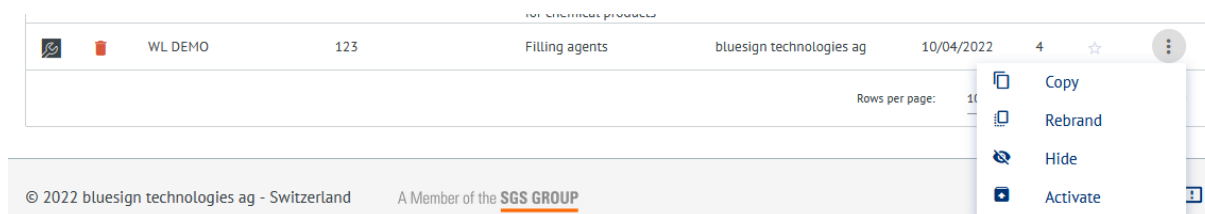


Figure 3.85: Possible actions for archived products

3.11 Copy a product

Chemical products can be copied.

Click “Copy” from the Actions context menu to the right of the chemical product in any product list.

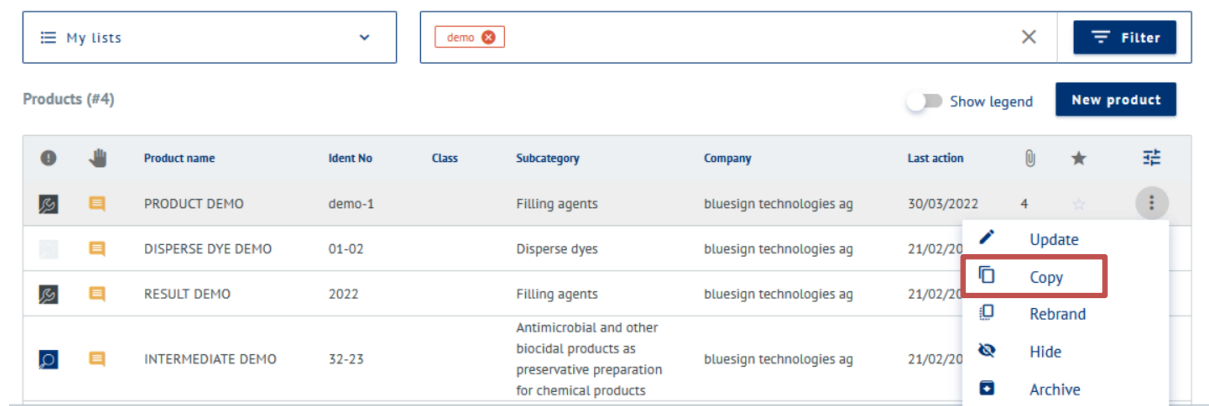


Figure 3.86: Copy a product

A dialogue opens where the identification of the new product can be entered.

Also provide a comment explaining why this particular product is being copied. The comment is saved to the comments section of the new product.

The screenshot shows a dialog box titled 'Copy product'. It has three input fields: 'Name', 'Ident No', and 'Comment'. At the bottom, there are two buttons: 'Cancel' and 'Clone product'.

Copy product

Name

Ident No

Comment

Cancel Clone product

Figure 3.87: Provide new product data

Once the copy of the product is created, the product is directly opened in edit mode where you can update data that may not be relevant for the new chemical product such as the product description or other data.

Note: Documents and comments are not copied and must be provided separately for the new documents.

Note: The rating is not copied but must be calculated again.

For more details regarding editing chemical products please refer to chapter 3.7.

3.12 Search a product

See chapter 3.3.4 Search bar and filters

3.13 Updating migrated products

Chemical products that have been migrated from the former bluesign® TOOL cannot immediately be edited. They are missing critical data that first needs to be added before the chemical product can be edited.

Chemical products from the former bluesign® TOOL only have a process category. The process subcategory is missing. This needs to be added before editing the chemical product.

To add a subprocess, open a migrated product and click “Add subprocess” (1). Complete the data in the pop-up and click “next” (2).

Note: If the product you wish to update was previously published in the bluesign® FINDER you need to request your chemical assessor to renew the product.

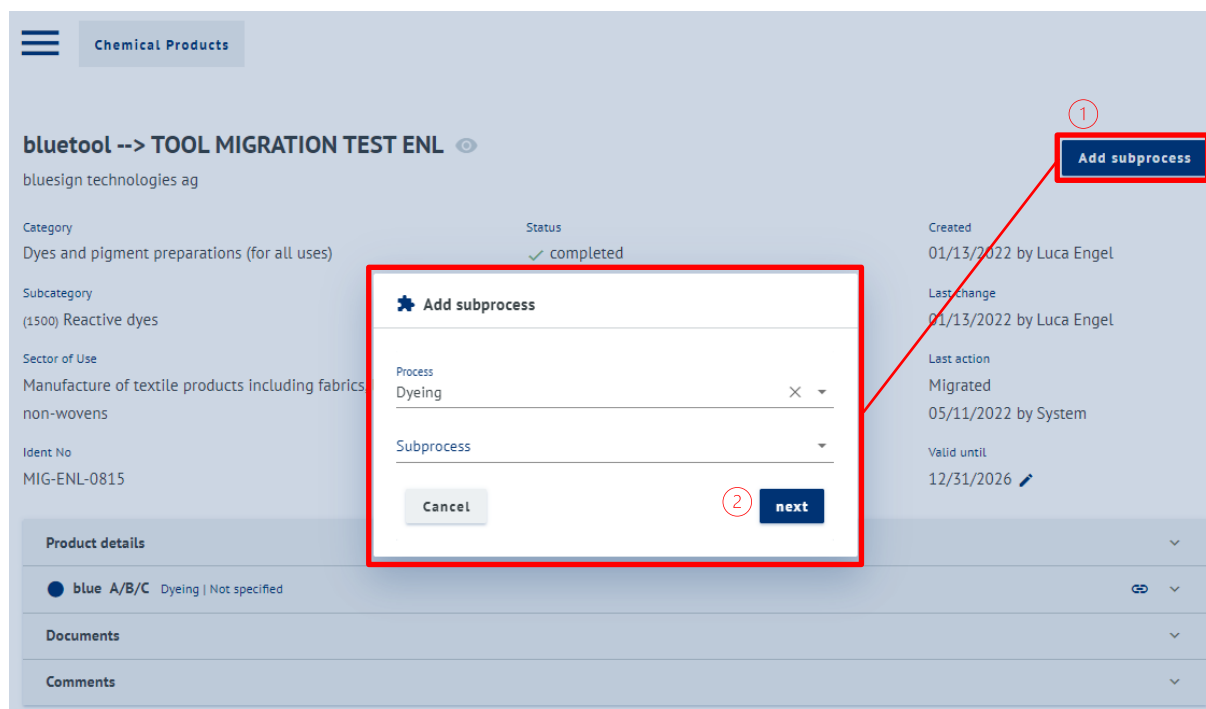


Figure 3.88: Adding subprocess to migrated chemical products

4 Bluesign® functions

In addition to all user functions described in chapter 3, chemical assessors from Bluesign have some additional functions:

- Admin privileges
- Review a submitted product
- Renew a product
- Rebrand a product
- Hide a product

4.1 Admin privileges

Chemical assessors from Bluesign have the following admin privileges:

- **View all products**
While chemical suppliers can only access their own products, chemical assessors can see chemical products from all chemical suppliers.
- **Create products for other companies**
Chemical assessors can create chemical products for any chemical supplier.
- **Delete attachments**
Chemical assessors can delete attachments

4.2 Review a submitted product

Submitted products must be reviewed by a chemical assessor.

Note: While the chemical product is “in review” it cannot be edited. If changes are necessary, the product must first be rejected to be edited.

To review a chemical product, open the chemical product.

There are two options on top of the header:

- **Reject**
If the provided data does not allow a concluding chemical assessment, the chemical product is rejected
- **Complete**
If the provided data is sufficient, the registration can be completed.
Depending on the rating and the visibility settings, the product is now published on the bluesign® FINDER.

RESULT DEMO

bluesign technologies ag

Category
Coating compounds, paints, lacquers, coats, thinners, paint removers and process aids (for all uses)

Subcategory
(1800) Filling agents

Sector of Use
Manufacture of textile products including fabrics, laminates and non-wovens

Ident No
2022

Status
in review

Rating
multiple

Class
multiple

Visibility
Public

Created
02/21/2022 by Luca Engel

Last change
06/10/2022 by Luca Engel

Last action
Submitted
06/10/2022 by Luca Engel

Valid until
06/09/2025

Product details

grey A/B/C Coating | Dip coating

Documents

Comments

Figure 4.1: Reviewing a chemical product

4.2.1 Reject a product

If the provided data does not allow a concluding chemical assessment, the chemical product is rejected.

Open the chemical product and click "Reject" (1).

A comment must be provided to explain the reason for the rejection. The comment is stored under comments after clicking on the button "Reject" (2).

The status of the chemical product changes immediately from "in review" to "open".

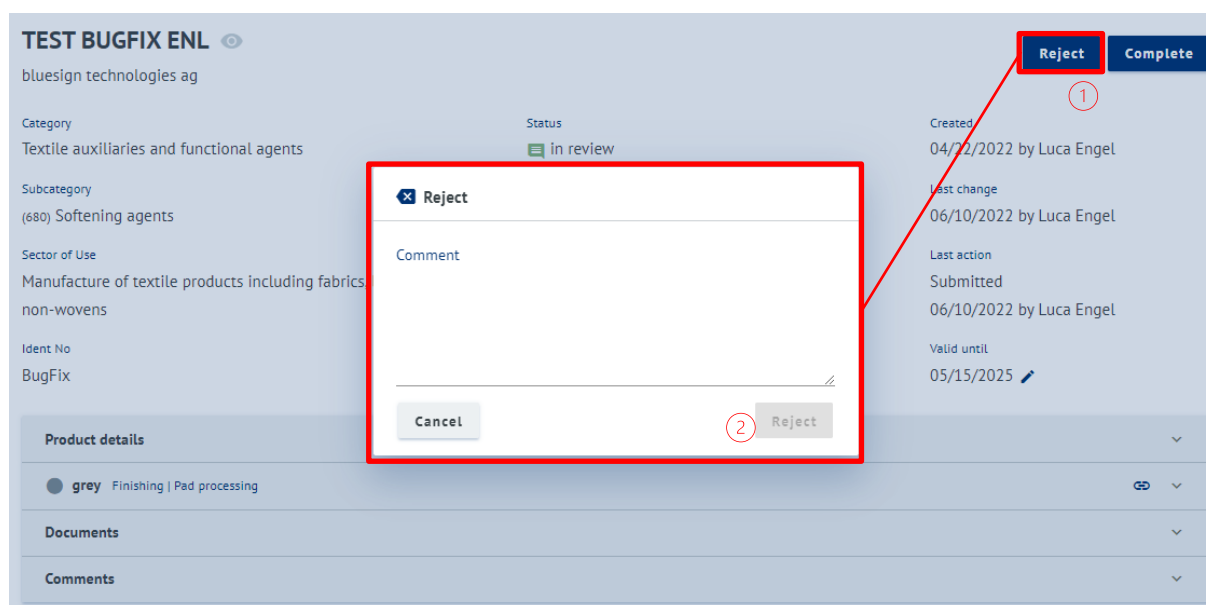


Figure 4.2: Rejecting a chemical product


4.2.2 Complete a product

If the provided data is sufficient, the registration can be completed. Depending on the rating and the visibility settings, the product is now published on the bluesign® FINDER.

Open the chemical product and click "Complete".

The status is immediately changed from "in review" to "completed".

Once completed, it cannot be edited anymore. It must first be renewed.

RESULT DEMO 

bluesign technologies ag

Category
Coating compounds, paints, lacquers, coats, thinners, paint removers and process aids (for all uses)

Subcategory
(1800) Filling agents


Sector of Use
Manufacture of textile products including fabrics, laminates and non-wovens

Ident No
2022

Status
in review

Rating
multiple


Class
multiple

Visibility
Public 

Created
02/21/2022 by Luca Engel

Last change
06/10/2022 by Luca Engel

Last action
Submitted
06/10/2022 by Luca Engel

Valid until
06/09/2025 

Reject

Complete



Product details	▼
 grey A/B/C Coating Dip coating	 ▼
Documents	▼
Comments	▼

Figure 4.3: Completing a chemical product

4.3 Renew a product

If completed products that have been published need to be updated, they must first be renewed.

This functionality is only available to Bluesign's chemical assessors. Please contact your chemical assessor and request the product in question to be renewed.

To renew the chemical product, the chemical assessor will click "Renew" on the overview of the chemical product.

The screenshot shows the 'Chemical Products' overview page for 'bluesign technologies ag'. A 'Renew' button is highlighted with a red box in the top right corner. The product details are as follows:

Category	Status	Created
Coating compounds, paints, lacquers, coats, thinners, paint removers and process aids (for all uses)	✓ completed	02/21/2022 by Luca Engel

Subcategory	Rating	Last change
(1800) Filling agents	multiple	06/10/2022 by Luca Engel

Sector of Use	Class	Last action
Manufacture of textile products including fabrics, laminates and non-wovens	multiple	Committed

Ident No	Visibility	Valid until
2022	Public ⓘ	06/09/2025 ✎

Product details ▾

● grey A/B/C Coating | Dip coating 🔗 ▾

Documents ▾

Comments ▾

Figure 4.4: Renewing a chemical product

The status of the chemical product is changed to "open".

Click "Edit" to start updating the chemical product. For more details on how to edit chemical products, refer to chapter 3.7.

Note: After any change, the previously calculated rating is removed. At the end of the process, the rating needs to be calculated again.

Note: If the product was published to the bluesign® FINDER before. The approved version remains in the bluesign® FINDER until the changes have been approved by the chemical assessor. This means, a renewed product must also be submitted and reviewed by Bluesign.

4.4 Rebrand a product

Rebranding is currently a function only available to chemical assessors since only chemical assessors can see all chemical products (i.e. chemical suppliers cannot find the chemical products to rebrand).

To rebrand a chemical product, select “Rebrand” from the Actions context menu to the right of the chemical product in any product list.

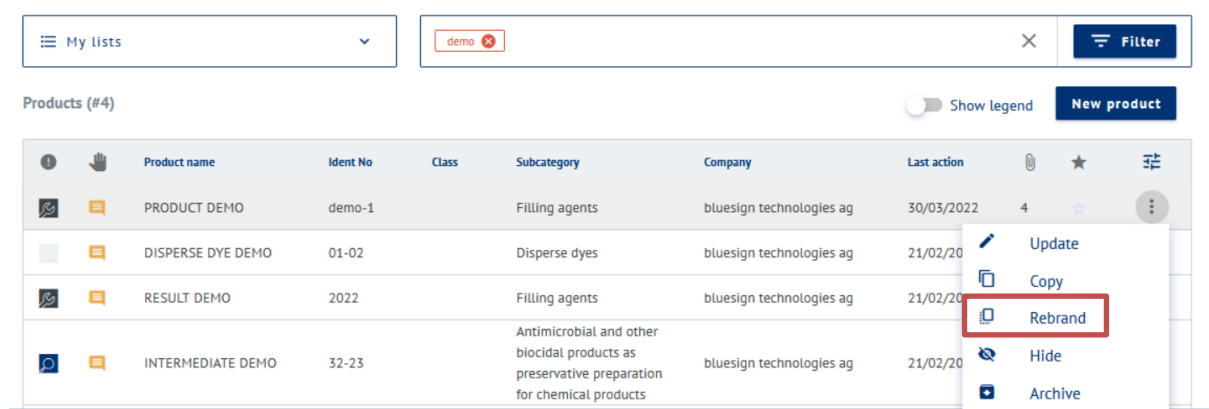


Figure 4.5: Rebranding a chemical product

The rebrand dialogue opens where the key data for the new product must be provided. This includes: Name, Ident No, a comment describing why this product is being rebranded, and the company to whom the rebranded product must be assigned.

The screenshot shows a dialog box titled 'Rebrand product'. It contains four input fields: 'Name', 'Ident No', 'Comment', and 'Company'. The 'Company' field is a dropdown menu. At the bottom of the dialog, there are two buttons: 'Cancel' and 'Rebrand product'.

Rebrand product

Name

Ident No

Comment

Company

Cancel Rebrand product

Figure 4.6: Key data for rebranding a chemical product

Once the key data is entered, click "Rebrand product" to create the new product.

Essentially a copy of the original product is created. If changes are made on the original chemical product, it will not affect the rebranded product.

Unlike the copy function described in chapter 3.11, the rebrand function also copies documents and comments from the original chemical product.

Once the rebranded product is created, the product is directly opened in edit mode where you can update data that may not be relevant for the new chemical product such as the product description or other data. In addition, safety data sheets and technical data sheets must be added to the new product as well.

The changes will delete the rating. Simply recalculate the rating and then submit and complete the chemical product to publish it in the finder (provided no other changes are necessary).

Note: Rebranded products are by default hidden. See chapter 4.5 for details.

4.5 Hide a product

In specific cases it may be necessary to hide a chemical product.

Hiding means, the chemical product is still visible in the product list, but the details can only be viewed by chemical assessors.

Note: Rebranded products are hidden by default.

To hide a product, select “Hide” from the Actions context menu at the right of the chemical product in any product list.

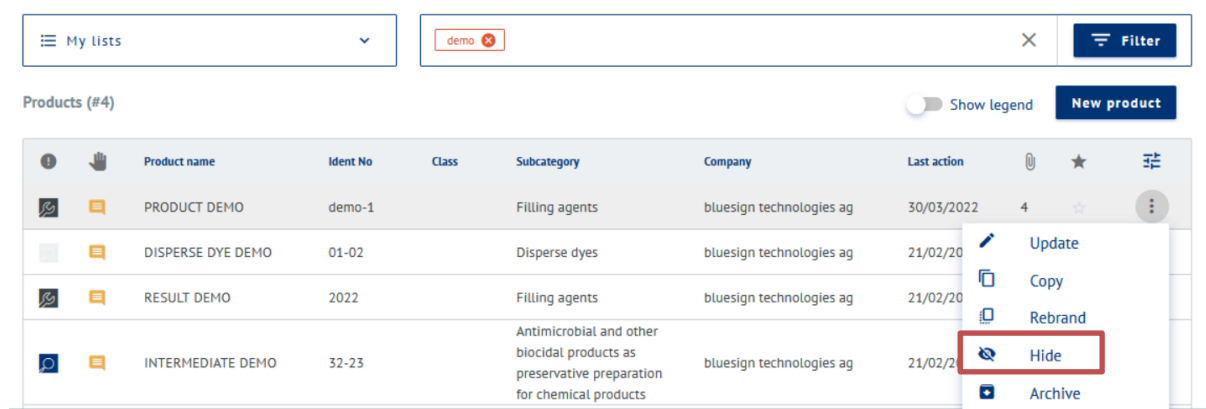


Figure 4.7: Hiding a chemical product

Hidden products are displayed in light grey in the chemical product list to indicate that the products cannot be opened by users anymore.

	Product name	Ident No	Class	Subcategory	Company	Last action			
	PRODUCT DEMO	demo-1		Filling agents	bluesign technologies ag	06/08/2022	4	★	⋮
	RESULT DEMO	2022	A/B/C	Filling agents	bluesign technologies ag	06/10/2022	1	★	⋮
	TEST AIR - NO SUBSTA...	AIR - no Substance		Softening agents	bluesign technologies ag	04/14/2022	1	★	⋮
	TEST BSBL - NO SUBST...	BSBL - no Substance	A/B/C	Metal complex dyes (2:1)	bluesign technologies ag	05/01/2022	1	★	⋮
	TEST STATES ENL	StatusTest		Disperse dyes	bluesign technologies ag	05/10/2022	1	★	⋮
	TEST BUGFIX ENL	5341		Softening agents	bluesign technologies ag	06/08/2022	0	★	⋮

Figure 4.8: Hidden products in product list

To unhide a hidden product, select “Unhide” from the Actions context menu at the right of the chemical product in any product list.

		Product name	Ident No	Class	Subcategory	Company	Last action		★	
		PRODUCT DEMO	demo-1		Filling agents	bluesign technologies ag	06/08/2022	4	★	⋮
		RESULT DEMO	2022	A/B/C	Filling agents	bluesign technologies ag	06/10/2022	1	★	⋮
		TEST AIR - NO SUBSTA...	AIR - no Substance		Softening agents	bluesign technologies ag	04/14/20			
		TEST BSBL - NO SUBST...	BSBL - no Substance	A/B/C	Metal complex dyes (2:1)	bluesign technologies ag	05/01/20			
		TEST STATES ENL	StatusTest		Disperse dyes	bluesign technologies ag	05/10/20			
		TEST BUGFIX ENL	5341		Softening agents	bluesign technologies ag	06/08/2022	0	★	⋮

Figure 4.9: Unhiding a hidden chemical product

Alternatively chemical products can also be hidden/unhidden in view mode.

To hide a product in view mode, click the eye next to the product name.

RESULT DEMO

bluesign technologies ag

Category

Coating compounds, paints, lacquers, coats, thinners, paint removers and process aids (for all uses)

Subcategory

(1800) Filling agents

Sector of Use

Manufacture of textile products including fabrics, laminates and non-wovens

Ident No

Status

in review

Rating

multiple

Class

multiple

Visibility

Public

Created

02/21/2022 by Luca Engel

Last change

06/10/2022 by Luca Engel

Last action

Hidden status_changed
06/10/2022 by Luca Engel

Valid until


06/09/2025

Reject

Complete

Figure 4.10: Hiding a chemical product in view mode

The name of the hidden product is now displayed in grey and the eye is crossed out to indicate that the product is hidden and cannot be opened by users anymore.

RESULT DEMO 

bluesign technologies ag

Category

Coating compounds, paints, lacquers, coats, thinners, paint removers and process aids (for all uses)

Subcategory

(1800) Filling agents


Sector of Use

Manufacture of textile products including fabrics, laminates and non-wovens

Ident No

2022

Status

 in review


Rating

multiple

Class

multiple

Visibility

Public 

Created

02/21/2022 by Luca Engel


Last change

06/10/2022 by Luca Engel

Last action

Hidden status_changed
06/10/2022 by Luca Engel

Valid until

06/09/2025 

Reject

Complete

Figure 4.11: Hidden product in view mode

To unhide a hidden product, click the eye again.

5 Annexes

Note: all listed documents can be found in their most recent version in the download area of the bluesign® CUBE (<https://cube.bluesign.com>).

5.1 Support

In case you have any questions, check the Help section in the bluesign® TOOL or reach out to the chemical assessor assigned to you.

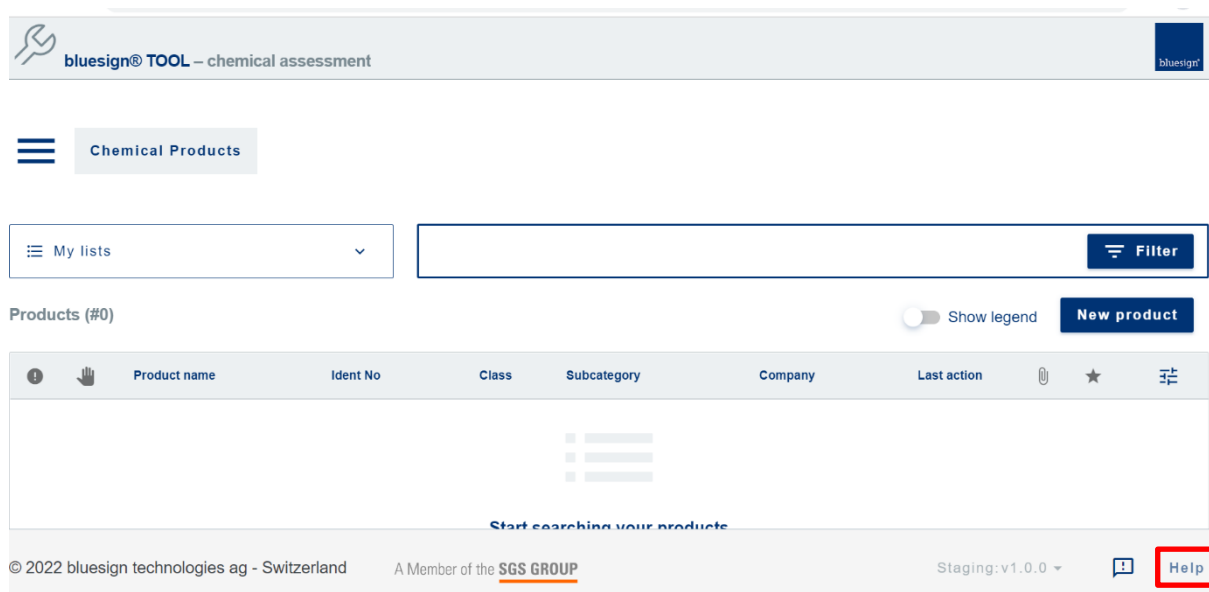


Figure 5.1: Help section in bluesign® TOOL

5.2 Glossary

Refer to the bluesign® glossary for any description of definitions and abbreviations:

- bluesign® glossary - Definitions and abbreviations

5.3 Other documents

Refer to the following documents for additional information:

- bluesign® CRITERIA for chemical assessment
- bluesign® CRITERIA for chemical assessment - Annex: Biocidal products and antimicrobial active substances
- bluesign® CRITERIA for chemical assessment - Annex: Flame retardants
- bluesign® CRITERIA for chemical assessment - Annex: Nanoscale materials/structures
- Guideline - Product Stewardship for Chemical Suppliers
- Guidance sheet - Generation of Data for the bluesign® TOOL
- Chemical product categorization for bluesign® TOOL