

IUCLID 6



IUCLID 6 is developed by the European
Chemicals Agency in association with the OECD





IUCLID 6

Version 6.2.0 (October 2021) release webinar

10th November 2021



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Chemicals Agency in association with the OECD



Agenda for today

- Introduction to the IUCLID 6.6 release
- IUCLID Reporting – what has changed and what is available?
- IUCLID support material and live demo
- Conclusions and what's next

Question and answers session

- The Q&A session is organised using Slido
- The Slido session will last until 5pm (EET) on the webinar day
- You can decide to keep your questions anonymous
- We will answer your questions during the day



slido

Joining as a participant?

iuclidoctober2021



<https://www.sli.do/>

Introducing the October 2021 IUCLID release

IUCLID version 6.2.0

IUCLID news

IUCLID 6 v6 is available

Once a year, a major release of IUCLID is published and made available to all users. Major releases contain not only fixes and improvements but also changes to the IUCLID format.

This year, the IUCLID format has been modified to include updates to the OECD Harmonised Templates with, for example, the simplification of confidentiality claim types or the reorganisation of the fields to store full study reports. At the same time, maintenance activities have been performed at the level of the format extensions for New Zealand, Australia and, at the EU level, for several pieces of legislation: REACH, CLP (including PCP) and Plant Protection Products. Moreover, for REACH users, the release includes a new REACH completeness check to verify that only valid ECHA data are provided in the use sections, 3.5.1-3.5.6.

The user interface of IUCLID is improved with, for example:

- the upload of data to repeatable blocks from a text file (CSV)
- the export of a listing of entities
- the simplification of the creation of a new substance based on a reference substance
- the printing of the IUCLID content in editable format, RTF, in addition to PDF
- an enhanced data visualisation for mandatory sections and confidential fields
- a better sorting of the content of the validation assistant report

The updated user manual, describing these changes, can be accessed within IUCLID itself or from the IUCLID website where you can access the release notes and download the new version of the software. ECHA Cloud Services users have their installations automatically upgraded to the new release.

Additional information

[Download IUCLID](#) | [Release notes](#) | [Format](#) | [Webinar](#) | [LinkedIn group](#) | [YouTube channel](#)



Release notes

- Details about the releases are maintained in the Release notes* published on the IUCLID website
- Release notes are updated each time a IUCLID release is shared with (a group of) users
- For the full scope of the IUCLID 6 v6.2.0, check the release notes since April 2021

* https://iuclid6.echa.europa.eu/documents/1387205/1809509/IUCLID_6_Release_Notes.pdf

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Two main scope categories

1. Improvements and new features in the web interface
 - The web interface is now the main one, used by the majority of users
 - The classic interface is not maintained anymore (but still accessible in the same way as in the previous release)
 - Similar features are available in the web interface
 - Performance has been improved compared to the April release
2. Format changes (once a year)

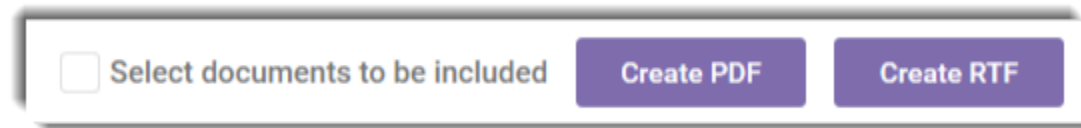
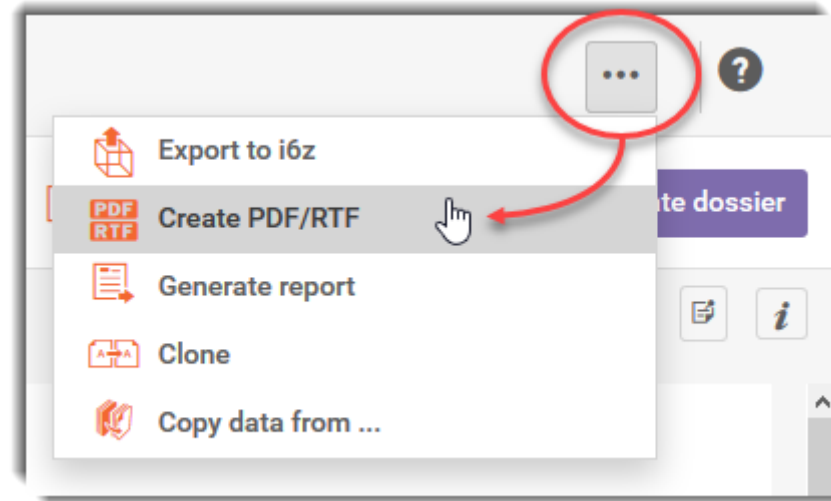
Web interface updates




Main improvements / new features since April 2021

- Limited category members content
- Create full PDF
- **Create RTF**
- Report generator
 - **PCN HTML report**
 - Improvement of report generation for datasets (in-memory dossier creation)
- Attachments display (all attachments are now listed under the clip icon: also the attachments uploaded to document fields)
- Filter search for cross-references
- Deleting document: more information when conflicts exist
- Validation assistant
 - Indication of dataset name in validation report
 - Enhanced sorting of errors
- Increased width of rich-text field
- Display mixtures linked to categories
- Advanced customisation: show/hide referenced documents
- **Populate repeatable block from csv file**
- Export search as csv
- Select all in results page and increase number of displayed results
- **Simplified substance creation**
- Display of mandatory sections and confidential fields

Create RTF



PCN HTML report

 [PCN dossier viewer \[HTML\]](#)



Second name of same pro...

UFI: 7F8K-T0SR-R002-J569

ECHA training legal entity













Standard formula

Product information

Mixture composition

Toxicological information

Administrative information

Name	Function	Concentration (w/w)	Classification	Labelling
  1: 2-(2-ethoxyethoxy)ethanol IUPAC: 2-(2-ethoxyethoxy)ethan-1-ol CAS no: 111-90-0 EC no: 203-919-7		30 % (w/w)	Not classified	
  2: Oils, mentha spicata erospicata CAS no: 1563063-07-9		30 % (w/w)	Acute Tox. 4-H302, Skin Irrit. 2-H315, Eye Irrit. 2-H319, Skin Sens. 1B-H317, Asp. Tox. 1-H304	Danger  
  3: Ethane-1,2-diol IUPAC: ethane-1,2-diol CAS no: 107-21-1 EC no: 203-473-3		30 % (w/w)	Acute Tox. 4-H302, STOT Rep. Exp. 2-H373	Warning  
  4: Mixture in mixture #123 UFI: 0RJR-UR83-H00F-TCPO		10 % (w/w)	Not classified	

October 2021 scope



Populate repeatable block from csv file

1

#	Reason / purpose for cross-reference	Related information	Remarks	Action
1	assessment report Remark on assessment report.	● Carcinogenicity (Endpoint Study Record) Carcinogenicity_a1	Remark on the whole row.	

2

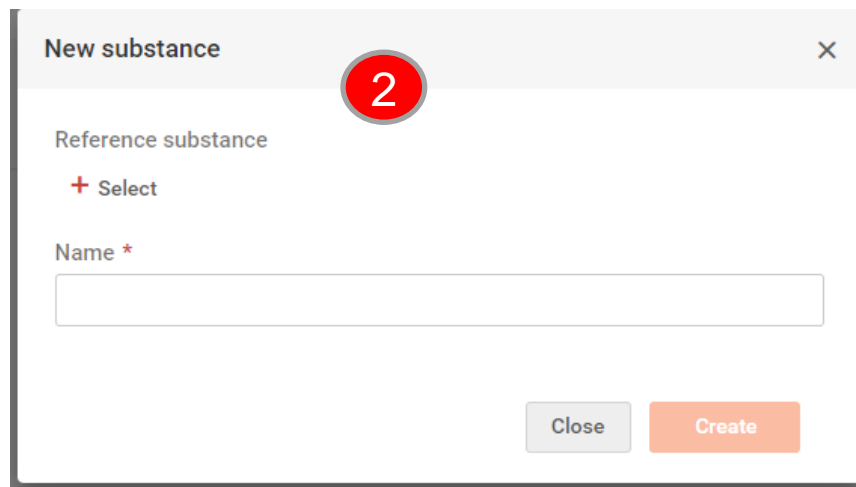
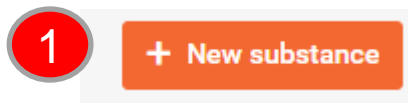
#	Reason / purpose for cross-reference	Related information	Remarks	Action
1	assessment report Remark on assessment report.	● Carcinogenicity (Endpoint Study Record) Carcinogenicity_a1	Remark on the whole row.	

3

#	Reason / purpose for cross-reference	Related information	Remarks	Action
1	other: Value of column ReasonPurpose.other	None	Value of column Remarks	
2	assessment report Value of column ReasonPurpose.remarks	None	Value of column Remarks	
3	assessment report Remark on assessment report.	● Carcinogenicity (Endpoint Study Record) Carcinogenicity_a1	Remark on the whole row.	

	A	B	C	D
1	ReasonPurpose.code	ReasonPurpose.other	ReasonPurpose.remarks	Remarks
2	1342	Value of column ReasonPurpose.other	×	Value of column Remarks
3	60014	×	Value of column ReasonPurpose.remarks	Value of column Remarks
4				

Simplified substance creation



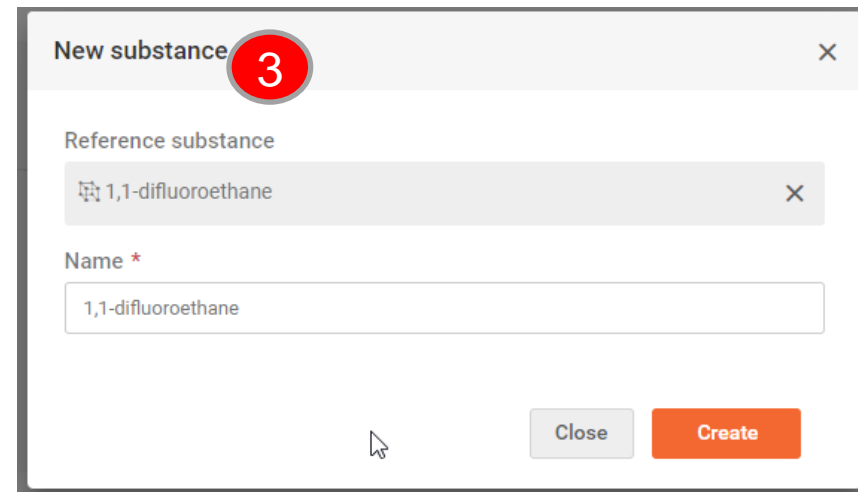
New substance ×

Reference substance 2

+ Select

Name *

Close Create



New substance × 3

Reference substance

×

Name *

Close Create

Format updates

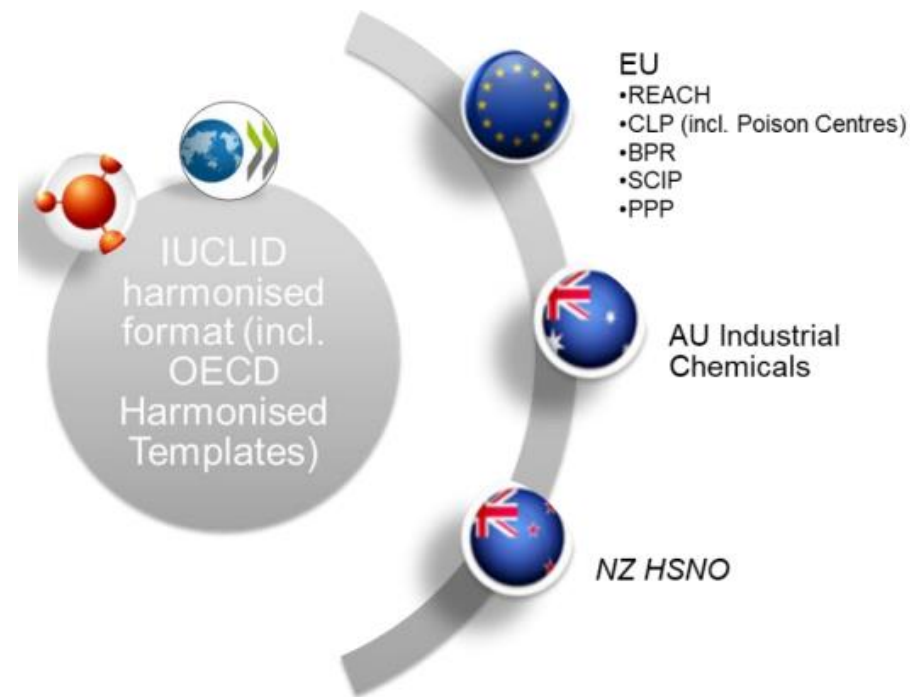


Format changes in October 2021



Organisation of the IUCLID format

- The IUCLID format is organised by definition providers
- Some parts of the format are used by many / all users:
 - **OECD** Harmonised Templates
 - **CORE** IUCLID documents (incl. endpoint summaries)
 - **Domain** (incl. all IUCLID reusable entities such as mixture, substance, test material)
- Other parts are specific to a group of users
- The OECD IUCLID customisation report* explains the format change process



* <https://www.oecd-ilibrary.org/docserver/e1199efc-en.pdf?expires=1623941931&id=id&accname=guest&checksum=C27A0CA41C13D02887EC88F2FBF1A8BC>

Improved verification of i6z content (manifest file...)

- The following file format checks have been implemented on top of the existing checks
 - EIM050 - The attachments referred in the table of contents file do not agree with the contents of the file to be imported
 - EIM051 - The linked document attachments (linked-doc) referred in the table of contents file do not agree with the contents of the file to be imported
 - EIM052 - Missing base-document-uuid
 - EIM053 - DOSSIER document uuid does not match base-document-uuid
 - EIM054 - No document uuid matches with base-document-uuid
 - EIM055 - Attachment's container uuid does not match with any contained documents uuid
 - EIM056 - Contained document's uuid is different than document's id
 - EIM057 - Document link with ref-uuid, is missing from contained documents
 - EIM058 - Document link with ref-uuid points to its container document
- The newly implemented checks are enforcing rules described in the [Developers' Guide to the IUCLID i6z Format](#) published on the IUCLID website

If you are preparing i6z files without IUCLID, pay attention to these rules as they are checked during import / submission

Format changes in October 2021



Main changes

- Update to the OECD Harmonised Templates (mainly from proposals from EU PPP / EFSA and IUCLID users)
 - Main (potentially impactful) changes done for
 - Acute toxicity: oral
 - Effectiveness against target organisms and intended uses - general information
 - Efficacy data
 - Nature of residues in processed commodities
 - Residues in livestock
 - And changes applied to all OHTs
 - Update to the fields used to store the full study reports and other study-related attachments
 - New field for 'Additional test materials' used in a study
 - Confidentiality flags simplification (limited to CBI)

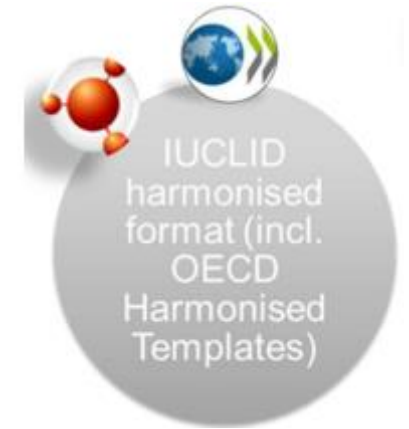


Format changes in October 2021



Main changes

- Classification and Labelling information (GHS document)
 - Additional text for Labelling: size increased from 255 to 2,000 characters
 - Additional hazard classes added to the field 'Specific Concentration Limits'
 - Specific hazard statements added for Reprotoxicity and Carcinogenicity
 - Updates of Notes from the EU CLP 16th ATP
- Guidance on safe use: rich text fields introduced
- Legislation-specific changes, for example:
 - EU PPP: update of summaries
 - EU REACH: update of opt-out text template
 - EU CLP (PCN): group submissions support, EU PCS update
 - EU SCIP: article category update



Format changes in October 2021



Documentation

- All changes to the IUCLID format are documented on the IUCLID website:
<https://iuclid6.echa.europa.eu/format>
- The latest information package contains
 - MS Word representation of the documents
 - XML schema definitions
 - List of all IUCLID fields, including phrase groups and phrases
 - Comparison files highlighting the differences with the previous format version

IUCLID format

From this page you can download information related to the IUCLID 6 format for the major versions that have been published to date. The archives per major version are:

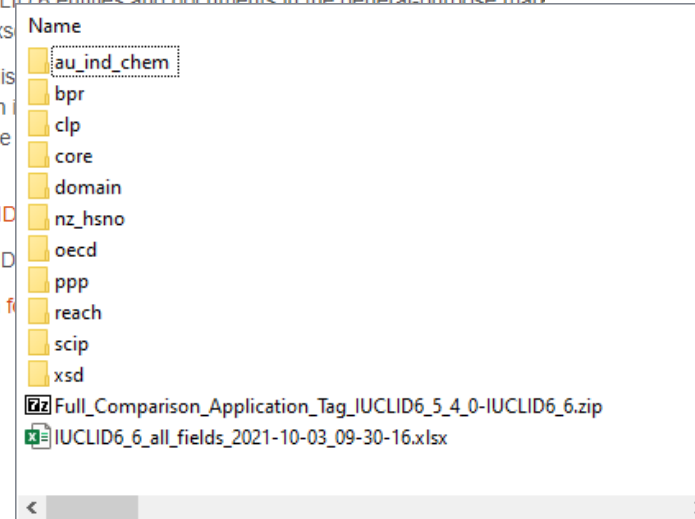
- IUCLID 6.6, published on 17th of October 2021 (.zip | 25.9 MB)
- IUCLID 6.5, published on 28th of October 2020 (.zip | 24.7 MB)
- IUCLID 6.4, published on 30th of October 2019 (.zip | 20.2 MB)
- IUCLID 6.3, published on 24th of October 2018 (.zip | 16.1 MB)
- IUCLID 6.2, published on 15th of November 2017 (.zip | 15.0 MB)
- IUCLID 6.1, published on 29th of April 2016 (.zip | 14.7 MB)

The format is expressed for all IUCLID 6 entities and documents in the general-purpose markup language (XML) and XML Schema definition files (.xsd).

IUCLID 6 is built as a platform and is extended by 'definition providers' depending on the application. It can be exported and imported in the IUCLID 6 i6z files:

- Developers' Guide to the IUCLID 6 format
- EU Poison Centres Notification form
- SCIP database format

More information on how the IUCLID 6 format is used can be found in the following documents:



IUCLID Reporting, what has changed and what is available

- Default 'List reports'
- PCN dossier viewer
- Alternative report generation
- Further information





IUCLID Reporting, what has changed and what is available



Default Reports

- **Meet** specific regulatory obligations (e.g. Chemical Safety Report)
- **Present** IUCLID data in different ways to fit certain users' requirements (e.g. PCN Dossier Viewer report)
- **Support** IUCLID users to view IUCLID information that is hard to summarise in the interface and quickly view in a flat list (e.g. List of Attachments report)

Select the type of report

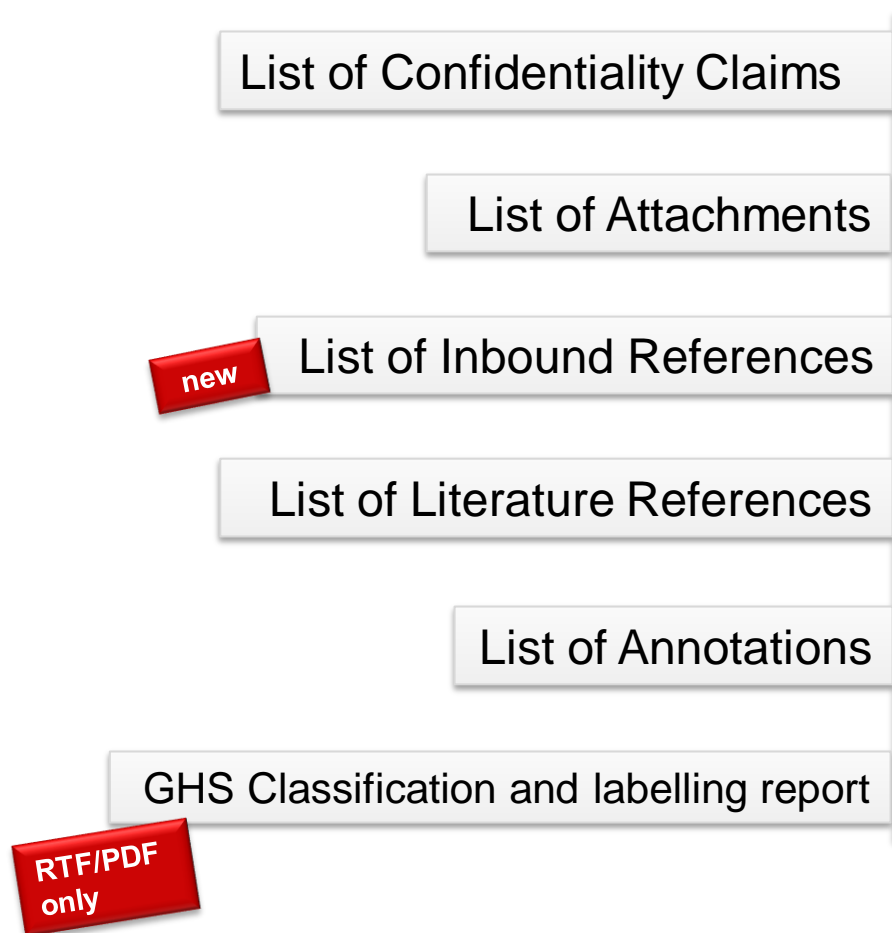
Generate report

Default IUCLID reports

- Assessment entity summary report for nanoforms [HTML]
- Chemical safety report (CSR) [XML]
- Chemical safety report (CSR) [PDF]
- Chemical safety report (CSR) [RTF]
- GHS Classification and labelling report [PDF]
- GHS Classification and labelling report [RTF]
- List of Annotations [PDF]
- List of Annotations [RTF]
- List of Annotations [CSV]



List reports – what are they?



IUCLID List reports typically:

- **Extract** and **Focus** on, specific data points; such as attachments or literature references
- Support users to view IUCLID information in a flat list and supports:
 - Quality checks
 - Assessments
 - Navigation of data



IUCLID Reporting, what has changed and what is available



Overview of main enhancements to 'List reports'

[For ] extracts data from:

1. Main mixture
2. All first level components
3. Substance components of first level mixture components

Standard dossier information



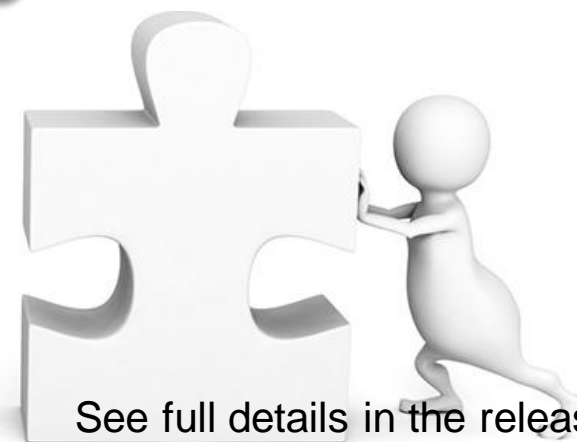
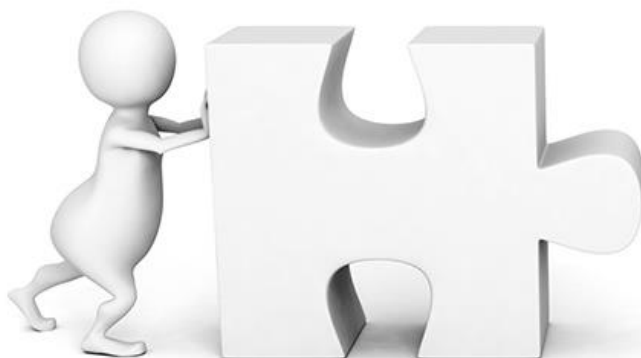
Beware of report name changes

Three outputs as default



Working context information
(Section name/number)

Applicable to more users; reports can be generated from both **Substances and Mixtures**



See full details in the release notes:
<https://iuclid6.echa.europa.eu/download>



Example – List of Literature References

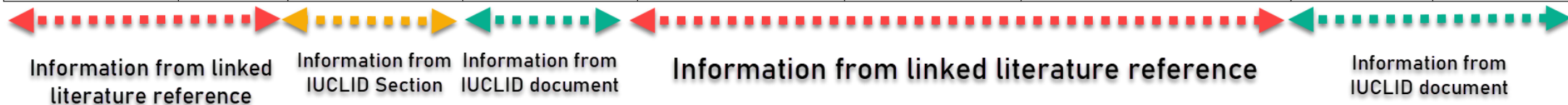
4 Physical and chemical properties* 1
 4.1 Appearance / physical state / colour* 1
 Appearance / physical state / colour.001

Working context: REACH Registration above 1000 tonnes

1. Literature References

Table 1.1. Table of Literature References

Author(s)	Year	IUCLID section	IUCLID document name	Title and Report number	Type of publication	Source (where different from company) and Study sponsor	GLP	Data Protection Claimed (Yes/No)
Foster, M, J	2021	4.1 Appearance / physical state / colour	Appearance / physical state / colour.001	Title: my title Report number: 213-321-213	study report	Sponsor name	yes	no





IUCLID Reporting, what has changed and what is available



Going forward



We seek to continue improving the applicability of the list reports for all IUCLID users



Send an improvement request to the **ECHA Helpdesk**



We will make improvements available via the IUCLID Reports webpage in between IUCLID releases

Known issue:

Fix available in next IUCLID release

Issue affecting the extraction of metadata of section documents:



List of attachments is split between dossiers and datasets. Dataset generation does not contain appended attachments to the IUCLID Document



List of annotations should only be ran on dossiers, as annotations appended to datasets are not extracted



IUCLID Reporting, what has changed and what is available

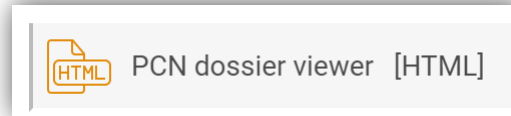
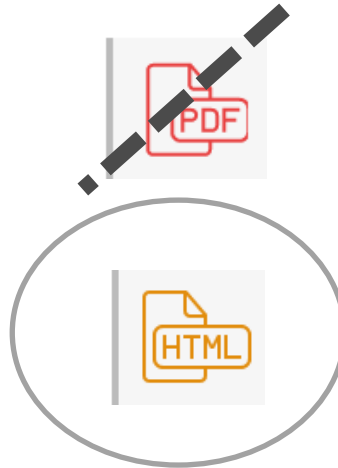


PCN Dossier viewer



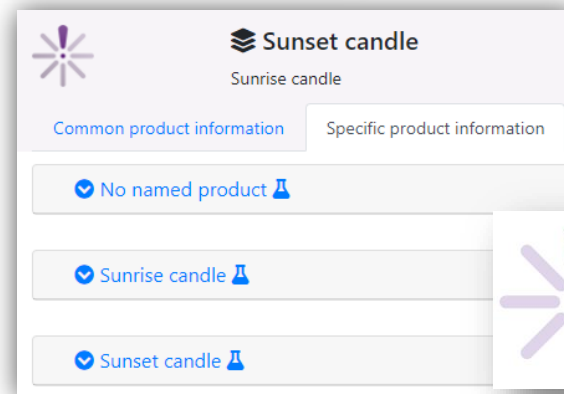
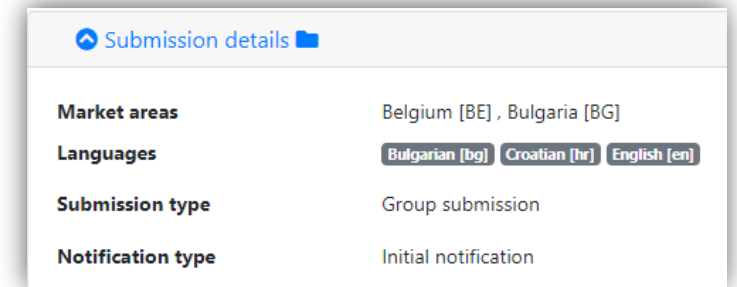
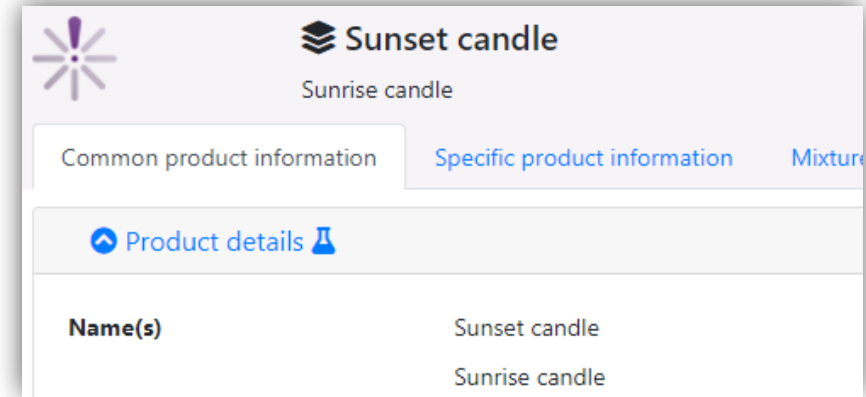
Group Submissions are now included and includes where relevant, for example:

- Displaying several mixture compositions in the Mixture composition tab
- Displaying several 'Toxicological information documents
- Displaying the Group submission type in "Administrative information"



Other extensions:

- All information contained in GHS documents, for both main mixture and components, are now displayed
- "Other identifiers: other:", are now displayed, taking into account the multilingual fields when "other:" is selected (including the "Remarks" field)





Alternative report generation

For Whom?

Users who are building & testing reports, or users wishing to generate multiple reports quickly

Two-step user friendly setup

- Clone the git repository
- Configure the .env file

Benefits

- Generate from multiple entities
- Generate from multiple datasets/dossiers
- No need to re-upload report after modification
- Quick generation

The screenshot shows the IUCLID website interface. At the top, there is a navigation bar with links for Home, IUCLID Product, Download Software, Support, and News. Below the navigation bar, the breadcrumb trail reads: IUCLID > IUCLID Product > Report generator > Report generator script. On the left side, there is a 'Navigation Menu' with a list of items: IUCLID format, Planned releases, Template manager (ITEM), Data validation, Report generator (highlighted with a green box), REACH and CLP, BPR, CLP (PCN), SCIP, PPP, Cross regulatory, Report generator script (highlighted with a green box), Data filtering, REST Public API, Data uploader, IUCLID Data extractor, and Text analytics. The main content area is titled 'Report generator script' and contains a section 'Report generator script (installation guidance)'. This section includes a light blue box with text: 'To further support IUCLID report builders, a Bash script is now available to generate reports quicker and more efficiently. Below is a guide on how to set up and use the script.' Below this, it states: 'The IUCLID user interface provides a Report Manager to upload your own custom FTL report template and a Report Generator to generate a custom report from a single dataset or dossier. For IUCLID users who build FTL report templates, the user interface has two limitations:'. A numbered list follows: '1. Every time a change is made to an FTL template, a user has to re-upload the FTL template using the Report Manager' and '2. After upload, report generation cannot be started from across multiple datasets or dossiers.' At the bottom of the light blue box, it says: 'The new Bash script connects to the IUCLID API and allows users to quickly run an updated report without re-uploading the report into the IUCLID Report Manager, and supports starting report generation from multiple datasets and dossiers.'

<https://iuclid6.echa.europa.eu/report-generator-script>



IUCLID Reporting, what has changed and what is available



Further information: <https://iuclid6.echa.europa.eu/reports>

Published on the reports webpage:

- Improvements or bug fixes to reports (between IUCLID releases) for upload into IUCLID via the Report Manager. These can be generated under 'Uploaded IUCLID reports';
- Information on the Uses of the Reports;
- Customisation Forum provides an online area where report builders can share experience and ask questions.

<https://community.oecd.org/community/iuclidcustomisation>

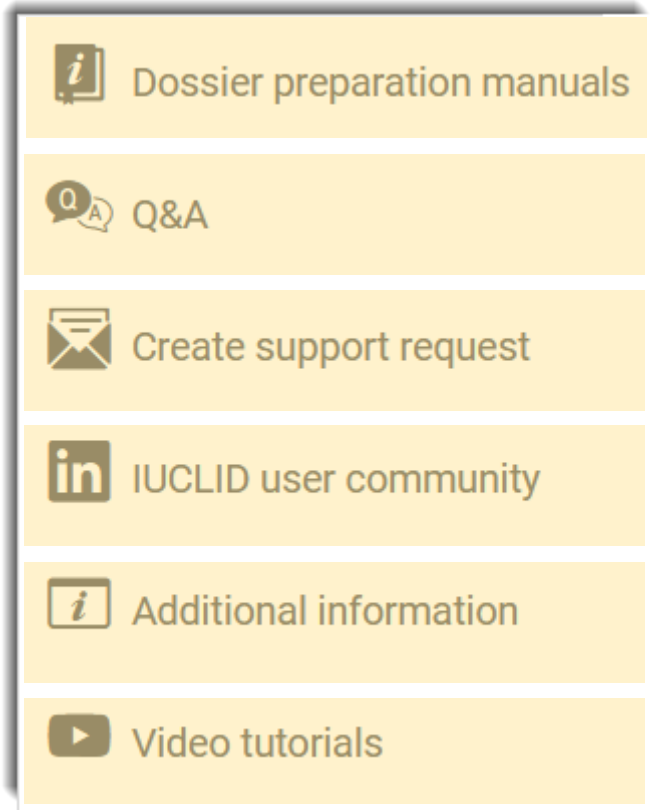
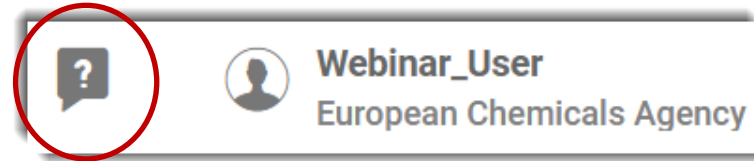
The screenshot displays the IUCLID 6 website interface. At the top right, the IUCLID 6 logo is visible. Below it, a navigation bar includes 'Home', 'IUCLID Product' (highlighted with a red box), and 'Download S...'. The main content area shows a breadcrumb trail: 'IUCLID > IUCLID Product > Report generator'. A list of features is displayed, with 'Report generator' highlighted by a red box. The 'Report generator' section includes sub-items: REACH and CLP, BPR, CLP (PCN), SCIP, PPP, Cross regulatory, Report generator script, and Data filtering. To the right, the 'Report generator' section is titled, followed by text explaining that IUCLID 6 includes a Report Generator format such as PDF or RTF, or in a variety of business processes by individual IUCLID 6 datasets and dossiers. It also states that many reports are ready to use and that the main use of the Report Generator is for creating reports. A link 'Creating your own reports' is visible at the bottom right of this section. Below the main content, there is a 'Recent Content' section with a 'Filter by Categories & Tags' dropdown. The recent content includes: 'Overall documentation of the IUCLID data model within Freemarker?' (4 hours ago), 'Information from working context of datasets in reports' (3 weeks ago), and 'Faster report generation'.

Support material and live demo

- Sources of help linked from the web interface
- User manual: Functionalities of IUCLID in the web interface
- Demo of what is new in the web interface

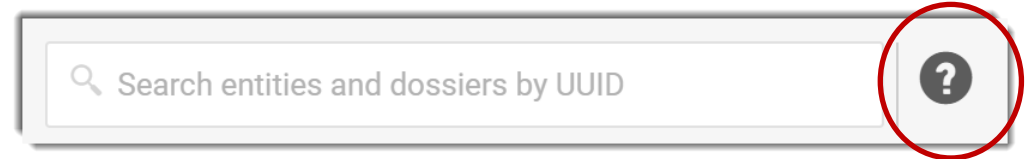


Sources of help linked from the web interface



- Link to manuals on the ECHA website that explain what data to enter in to IUCLID and how to create dossiers for submission to ECHA under EU regulations.
- FAQs on the IUCLID website
- The IUCLID helpdesk.
- Discuss IUCLID with other users on LinkedIn
- The IUCLID website. All the IUCLID documentation is available here for separate download.
- A link to the IUCLID YouTube channel. This contains various instructional videos on specialised topics. This webinar will be published there.

User manual: Functionalities of IUCLID in the web interface



- **Chapter 2. Help for users familiar with the IUCLID client**
This is to help users of the old interface to move to the web interface. It explains where functionalities have been moved to in the web interface, and how some things are done differently.
- **Chapter 3. Overview of the web interface**
This describes the overall structure of the interface and the features that apply across all the types of entity, such as import and export. An example where a fully detailed description is essential is the settings for overwriting data on import.
- **Chapters 4. – 16.**
There is a chapter that describes the unique features of each type of IUCLID entity, for example, *Substance* and *Dossier*.
- **Chapters 17. – 23.**
The features accessed from the three dot icon in the application bar, for example the *Validation assistant*, and functions for managing data in documents, such as cloning, copying, and exporting to printable formats.
- **Chapters 24.**
The control of access to data and functionalities in a multi-user instance of IUCLID: Users, Roles, Groups, Sharing etc.
- **Chapters 25. – 26.**
IUCLID contains tools for the calculation of a Derived No-Effect Level (DNEL) and a Predicted No-Effect Concentration (PNEC). These chapters describe in detail how to calculate PNECs and DNELs from data stored in IUCLID.

Support material and live demo



Demo of what is new in the web interface

The screenshot displays the IUCLID 6 web interface dashboard. At the top left is the IUCLID 6 logo. The top right shows the user profile for "Webinar_User" from the "European Chemicals Agency". Below the header is a "Dashboard" label and a search bar for "Search entities and dossiers by UUID". The main content area is divided into two sections. On the left, there are three summary cards: "Substances 9" with a flask icon, "Mixtures 2" with a flask and pipette icon, and "Articles 0" with a bolt icon. On the right, there is an "Import IUCLID file(s)" section with a help icon. It includes "Overwrite settings" set to "If newer than existing" and "Default group access" set to "Common (R/W/D)". Below these settings is a dashed box containing a file upload area with the text "Drop file to import or Browse" and a "Browse" button. At the bottom of this area is an "Advanced import" button.

Before ending the webinar



- Information about planned releases is published on the IUCLID website: <https://iuclid6.echa.europa.eu/planned-releases>
 - Release dates
 - High level scope items

Planned releases

Two IUCLID releases are made per year: a major release in October, and a service format is modified only in the major release in October. Releases are scheduled for month. The IUCLID instances hosted by ECHA in the **ECHA Cloud Services** are up functionality becomes available, but the IUCLID format it uses changes only once a

The information below aims at highlighting the work planned for the web interface development to complete the transition from the IUCLID Classic interface to the web is not an exhaustive list, and is subject to change.

Next releases

- January 2022 (ECHA Cloud Services) - optional
- 27th of April 2022
- July 2022 (ECHA Cloud Services) - optional
- 26th of October 2022

Examples of features planned for the next IUCLID releases

- Web interface: look and feel improvements
- Report generator: advanced settings
- PostgreSQL support
- Bulk delete of section documents

BPR, Summary, Product, and Metrics s

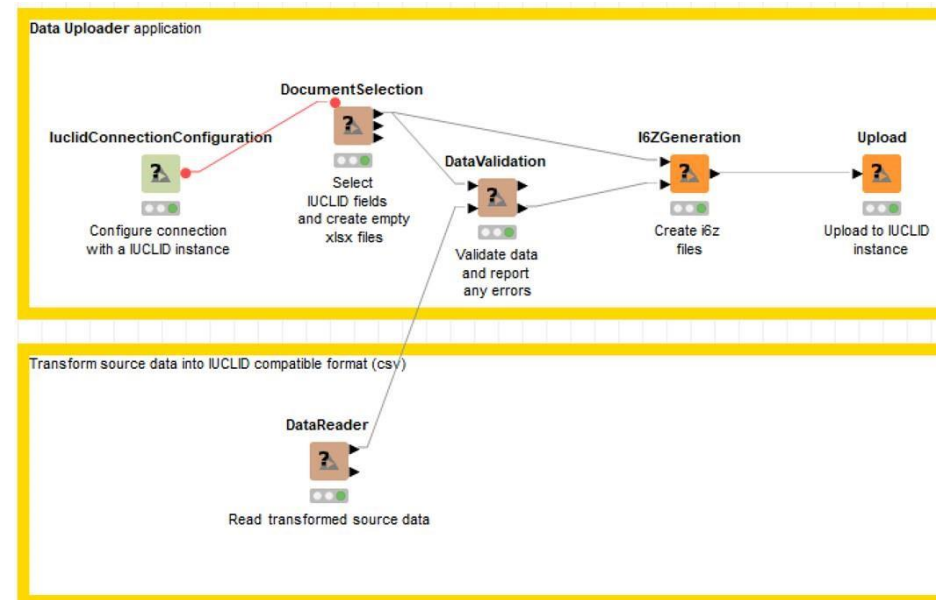
Existing tools

- Chesar
 - Tool to carry out chemical safety assessment
 - Compatible with the latest IUCLID version
 - <https://chesar.echa.europa.eu>
- Text analytics
 - Search engine for IUCLID fields and attachments
 - Preparation of compatible version ongoing
 - <https://iuclid6.echa.europa.eu/text-analytics>
- Data extractor
 - Extraction of IUCLID fields in CSV and JSON formats
 - Preparation of compatible version ongoing
 - <https://iuclid6.echa.europa.eu/data-extractor>



New integrated tools: Data uploader

- Objective: find a way to facilitate the process of uploading chemical/business data from external data sources to an IUCLID instance
- Major steps of the process
 - mapping of the external data to the IUCLID format (a data/domain expert is required to work on the data transformation from the original source to the IUCLID format provided by the Data Uploader)
 - generation of the IUCLID documents, based on the data provided
 - validation of generated IUCLID documents
 - import to an IUCLID instance
- Developed in Java as a KNIME Analytics Platform plugin comprising of 6 workflow nodes
- Beta version available (installation instructions and use case for creating reference substances included)

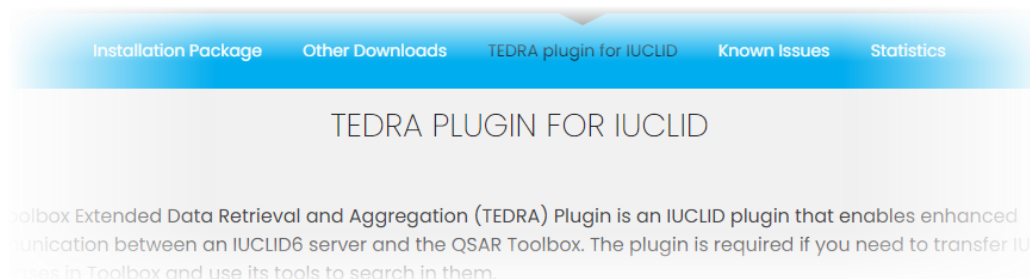


Find more information on <https://iuclid6.echa.europa.eu/data-uploader>

New integrated tools: QSAR Toolbox and TEDRA plugin **QSAR TOOLBOX**

- The OECD QSAR Toolbox is a free software application that supports reproducible and transparent chemical hazard assessment. It offers functionalities for retrieving experimental data, simulating metabolism and profiling properties of chemicals. Its data and tools can be used to find structurally and mechanistically defined analogues and chemical categories.
- The QSAR Toolbox is co-developed by OECD and ECHA
- Version 4.5 of the QSAR Toolbox includes a **IUCLID plug-in, TEDRA**, that facilitates the integration between the two tools in order to provide, among others, chemical structure search capabilities on IUCLID data from the Toolbox environment.

Find more information on <https://iuclid6.echa.europa.eu/qsar-toolbox-integration> and <https://qsartoolbox.org/>



1st edition: February 2019

2nd edition: June 2021

- Outlines what IUCLID offers to regulatory bodies and industry as a key application to record, store, maintain and exchange data on chemicals.
 - Role in international cooperation & process for global harmonisation of data elements
 - How the IUCLID format can be configured and customized
 - The main IUCLID features and add-ons, integration with other systems and development of alternative user interfaces
 - The different expertise and resources required for the customisation of different elements
 - The use of IUCLID in OECD countries in a matrix view
 - User stories on customisation of and data migration to IUCLID
 - OECD activities and procedures



Customisation Forum

<https://community.oecd.org/community/iuclidcustomisation>

- Questions on the reporting functionality of IUCLID included
 - Designing new report templates for Document N3 (PPP) to extract a list of Substances and Metabolites; structure, codes, synonyms
 - A trial approach to reporting for the annotations in a IUCLID dataset or dossier
 - Example of how to extract the modification history using the reporting functionality
 - Information on how to use a pre-designed Bash script to generate reports faster and for multiple entities



Recordings

- This webinar will also be published on the:
 - ECHA website and YouTube channel
 - IUCLID 6 website and YouTube channel

IUCLID > Support > Documentation > Webinars



Documentation

- System requirements
- Videotutorials
- Training material
- **Webinars**
- Verification of downloads
- Learn to use the new interface

Webinars

What's new in IUCLID 6.4? (8th November 2019)

Registration to the webinar can be made on [this page](#).

Using the IUCLID web interface for biocides submissions (15th May 2019)



Agenda:

- The webinar introduces you to the latest IUCLID web interface improvements in IUCLID 6 (v3.16.1) for biocides submissions, including the creation and navigation of a BPR dossier, the comparison tool, and the report generator.

<https://iuclid6.echa.europa.eu/webinars>

Before ending the webinar



<https://www.sli.do/>

Q&A session with Slido



slido

Joining as a participant?

iuclidoctober2021



You can also join our LinkedIn group: <https://www.linkedin.com/groups/12043483/>



Thank you for your participation

echa.eu

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oecd.org/ehs/templates



IUCLID 6 is developed by the European Chemicals Agency in association with the OECD

