



WERCS Studio 2021 Virtual User Group

November 2021 | Day 2

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Agenda – Day 2

- | | |
|---------------|--|
| 12:30 - 12:35 | Welcome |
| 12:35 - 1:20 | Global Chemical Control Regulatory Updates |
| 1:20 – 2:20 | Product Insights |
| 2:20 - 2:35 | Break |
| 2:35 - 3:25 | Ask the Experts – Chemical Control Regulatory and Module Workshop |
| 3:25 - 3:30 | Recap and Enhancement Submission |

*All times in EST



Global chemical control: regulatory updates

Darlene Susa-Anderson

November 2021 | WERCS Studio Virtual User Group

Focus of presentation

Introduction of new chemical management program

- Chile, United Kingdom

Revision of existing chemical management program

- Australia, China, European Union, South Korea, United States

Anticipated revision of existing chemical management program

- Canada, New Zealand, Thailand

Anticipated introduction of a chemical management program

- Brazil, Ghana, India, Israel, Kenya, Pakistan, Russia, Sierra Leone, Vietnam



The Americas

Canada

On April 13, 2021, the House of Commons introduced Bill C-28 into the Canadian Parliament to begin the process of modernization of the Canadian Environmental Protection Act (CEPA).

Key points

- Subdivision of the Schedule 1 List of Toxic Substances into two lists: high risk chemicals and toxic chemicals)
- Development of a plan for prioritization and assessment of chemicals that pose a significant risk to health or the environment
- Inclusion of vulnerable populations in risk assessment, furthering individual rights to a healthy environment
- Reduction in the use of animal testing

Bill status

- August 2021: Due to the dissolution of Parliament, which occurred after the Prime Minister's call for Sept. 20, 2021 election, bill will need to be re-introduced in a future session.
-



U.S. federal Toxic Substances Control Act (TSCA)

- Persistent, bioaccumulative and toxic (PBT) chemicals
- Per- and polyfluoroalkyl substances (PFAS)
- Health and Safety Data Reporting rule



TSCA — PBT chemicals

- On Jan. 6, 2021, the EPA published five separate final rules to regulate the PBT chemicals listed in the table below.
- The final rules are codified at 40 CFR Part 751, Subpart E.

Abbreviation	Chemical Name	CASRN
2,4,6-TTBP	2,4,6-Tris(tert-butyl)phenol	732-26-3
DecaBDE	40 CFR Part 751 ether	1163-19-5
PCTP	Pentachlorothiophenol	133-49-3
PIP (3:1)	Phenol, isopropylated, phosphate (3:1)	68937-41-7
HCBD	Hexachlorobutadiene	87-68-3

TSCA — PFAS

- Final Significant New Use Rule (SNUR)
- Low volume exemptions (LVEs)
- Proposed reporting rule

TSCA — Health and Safety Data Reporting

- On June 29, 2021, the EPA published a final Health and Safety Data Reporting rule for:
 - 20 high-priority chemical substances currently undergoing risk evaluations under TSCA Section 6.
 - 30 organohalogen flame retardants being evaluated for health risks by the Consumer Product Safety Commission (CPSC).
- The final rule was effective on July 29, 2021.

Brazil

On June 30, 2016, the Ministry of Environment released a draft bill for comprehensive chemical management in Brazil, which included:

- Establishment of a registry called the National Industrial Chemical Substance Registry (CNSQ).
- Development of risk management measures.
- Risk-based substance prioritization, including authorization.

The National Chemical Safety Commission (CONASQ) reviewed and responded to 801 comments.

The Brazilian congress issued a draft Industrial Chemicals Law in September 2018, but it has not been finalized.

In November 2019, the Brazilian congress introduced another bill for establishment of a national inventory.

In October 2020, a deputy met with ex-members of CONASQ, as the committee was abolished by Brazil's new president in 2019. Different representatives endorsed the prior draft for chemical management.

The Report of the Committee on the Environment and Sustainable Development (CMADS) has been pending since March 2021.

The goal is to forward the draft to the president of the Chamber of Deputies and request inclusion in the agenda and subsequent voting.

The timeline is unclear for moving this forward.

Chile

On Feb. 9, 2021, the Ministry of Health and of the Ministry of the Environment (MOE) published the “Regulation on the Classification, Labelling, and Notification of Chemical Substances and Mixtures” through Decree 57 of Nov. 26, 2019.

This Decree implemented GHS in Chile and established notification and risk assessment requirements.

Note: Pesticides for agricultural, sanitary and domestic use are exempted from the notification and risk assessment requirements.

DIARIO OFICIAL
DE LA REPUBLICA DE CHILE
Ministerio del Interior y Seguridad Pública

I
SECCIÓN

LEYES, REGLAMENTOS, DECRETOS Y RESOLUCIONES DE ORDEN GENERAL

Núm. 42.876 | Martes 9 de Febrero de 2021 | Página 1 de 103

Normas Generales

CVE 1892688

MINISTERIO DE SALUD
Subsecretaría de Salud Pública

**APRUEBA REGLAMENTO DE CLASIFICACIÓN, ETIQUETADO Y NOTIFICACIÓN DE
SUSTANCIAS QUÍMICAS Y MEZCLAS PELIGROSAS**

Núm. 57.- Santiago, 26 de noviembre de 2019.

Visto:

Lo dispuesto en el artículo 32 N° 6 y 35 de la Constitución Política de la República; en los artículos 1°, 2°, 3°, 90° y 92°, del Código Sanitario, aprobado por decreto con fuerza de ley N° 725, de 1967, del Ministerio de Salud; en los artículos 4°, 6° y 7° del decreto con fuerza de ley N° 1, de 2005, del Ministerio de Salud, que fija el texto refundido, coordinado y sistematizado del decreto ley N° 2.763 de 1979 y de las leyes N° 18.933 y 18.469; en la ley N° 19.300, sobre Bases Generales del Medio Ambiente; el decreto supremo N° 1, de 2013, del Ministerio del Medio Ambiente, que aprueba Reglamento del Registro de Emisiones y Transferencias de Contaminantes, RETC; en la Resolución N° 7 de 2019 de la Contraloría General de la República; y

Title VI — Notification (Articles 291-298)

Substances classified as dangerous and imported/manufactured at greater than 1 ton/year must be notified to the MOE via the Substance Notification Platform (Ventanilla Única de la Autoridad Ambiental)

When: Every two years by Aug. 30 of said year

What must be notified:

- Identity of the notifier
- Identity of the substance
- Substance's hazard classification
- Quantity (in ranges) of the substance manufactured/imported
- Intended use of the substance
- Safety Data Sheet



What happens next?

The MOE will issue an annual Resolution that contains all notified substances.

If a substance is not on the "list," it will be considered a new substance.

New substance notification requirements

- New substance notification in advance of manufacture/sale/import
- Toxicity data (acute oral and dermal; skin and eye corrosivity) and ecotoxicity data (in some cases)

Title VII — Risk Assessment (Articles 299-301)

The Ministry of Health and MOE will identify selected substances that will require risk assessment by manufacturers/importers.

By **Aug. 9, 2022**, the Ministries will provide details on the expectations for risk assessment.



Chile – First Notification Date

Article 294:

The first notification must be made in the **third** year from the date of publication of this regulation (which was Feb. 9, 2021) for substances for industrial use.

The notification process for substances and substances contained in mixtures will take effect **after two years** from the effective date below:

	Industrial use	Other than industrial use
Substances	Feb 2022	Feb 2023
Mixtures	Feb 2025	Feb 2027

Therefore, first notification is Aug **2024**.

Asia Pacific

Australia

The long-awaited Industrial Chemicals Environmental Management (Register) (ICEMR) bill was passed by the Australian Parliament on March 26, 2021. This bill established a new decision-making framework for industrial chemicals for consistent risk management to the environment.

This important bill authorizes the Industrial Chemical Environmental Management Standard (IChEMS) and is administered by the Department of Agriculture, Water and the Environment (DAWE).

It is anticipated to work in conjunction with the Industrial Chemicals Act 2019, i.e., priority setting and risk assessment via AICIS and establishes a national approach to the use, storage, handling and disposal of chemicals.



Key points

Identifies seven schedules of standards ranging from low concern chemicals (Schedules 1-3) to those that will require permits/controls (Schedule 4-6) to those that will be prohibited (Schedule 7).

A Register will be established in **2022**, which will contain the list of categorized substances.

Initial chemicals in focus: perfluorooctanesulfonic acid (PFOS), mercury and persistent organic pollutants (POPs)

Note: The same substance may appear on multiple schedules.

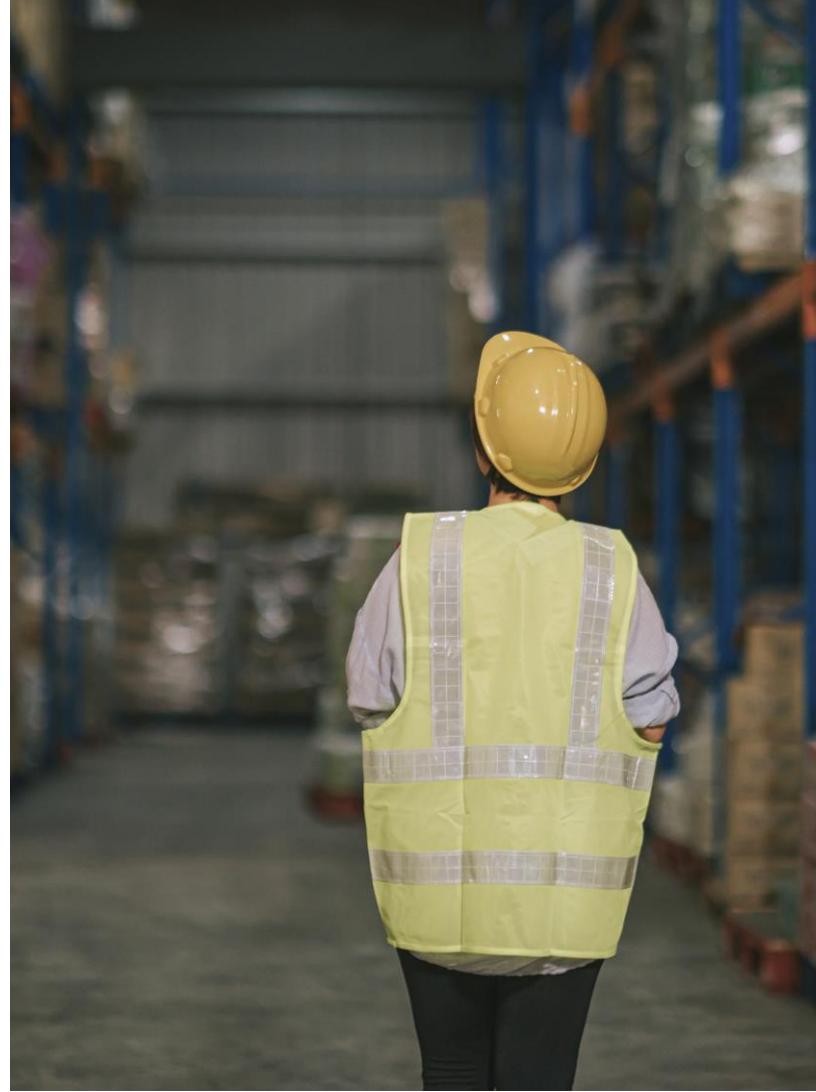
Like most Australian standards, these standards need to be incorporated into the laws of each state and territory.

China

In early May 2020, the Ministry of Ecology and Environment (MEE) published its long-awaited new chemical notification measures (MEE Order 12), also known as China REACH, which became effective on Jan. 1, 2021, thus obsoleting MEP Order 7 on the same day.

These new measures are intended to reduce registration burdens for chemical manufacturers and importers and strengthen the management of highly hazardous chemicals, such as persistent, bioaccumulative and toxic (PBTs) substances and very persistent and very bioaccumulative (vPvB) substances.

Details on compliance requirements are provided in the companion Guidance document, released on Nov. 16, 2020.



What's changed?

The thresholds of annual introduction quantities for registration categories have changed.

Under the new Measures, a registration certificate will be issued by the MEE under the following two registration categories:

- Simplified registration: applies to new chemical substances with an annual introduction quantity between 1 to 10 tonnes, which is comparable to the required annual introduction volume of less than 1 tonne under the current Measures. Highly hazardous chemicals will be excluded from the simplified registration category.
- Regular registration: applies to new chemical substances with an annual introduction quantity of 10 tonnes and above which is higher than the annual threshold quantity of 1 tonne under the current Measures.

New chemical substances manufactured/imported under 1 tonne a year and polymers with no more than 2% of new chemical monomers or polymers of low concern (PLC) will only need to submit documentation to the MEE for record-keeping purposes. The entity doesn't need to wait for an approval from the MEE. Once the documents are accepted, the entity may proceed with their introduction activities.

What's changed? (continued)

Data requirements for regular registration will no longer be solely dependent on the annual introduction quantity. Factors including hazards and exposure will now be considered.

For highly hazardous chemical substances, the registrant should also submit a report identifying socio-economic benefits of the chemical substances, including whether the new chemical substances have obvious advantages over the substitutes in terms of performance and environmental friendliness.

The requirements on each activity report, as well as the five years activity report, will be cancelled. Registrants must still submit an annual report and the first activity report. However, the first activity report is now required for regular and simplified registrations, while the annual report is only required for highly hazardous chemicals.

New chemical substances will be included in the Inventory of Existing Chemical Substance in China (IECSC) five years after the date of approval of regular registrations. The retrospective assessment on actual activities of hazardous new chemicals will no longer be required under the new measures.

Upgraded integrated information platform

In September 2021, the National Registration Centre for Chemicals (NRCC) administered integrated information platform launched the ability to generate quick response (QR) codes for each substance or mixture registered in China

This will be a voluntary initiative for use on containers and packaging.

The QR code will be able to be generated by Chinese importers only.

As a pilot province for promoting the new QR code, Guangdong will require the QR code on Safety Data Sheets and labels starting from Oct. 1, 2021.



India

On Aug. 24, 2020, a fifth draft of the Chemicals (Management and Safety) Rules 20xx was released for comment.

Key points

- Creation of a Chemical Regulatory Division
- Classification according to revision 8 of GHS and creation of an SDS in Hindi or English
- Extended requirements for hazardous chemicals: storage, transport and emergency response
- Allowance for use of an "authorised representative" (AR)
- Notification for all existing substances imported or manufactured at or above 1 metric ton per year
- Registration of "priority" substances manufactured or imported above 1 tonne per year
- Annual reporting of notified substances

South Korea

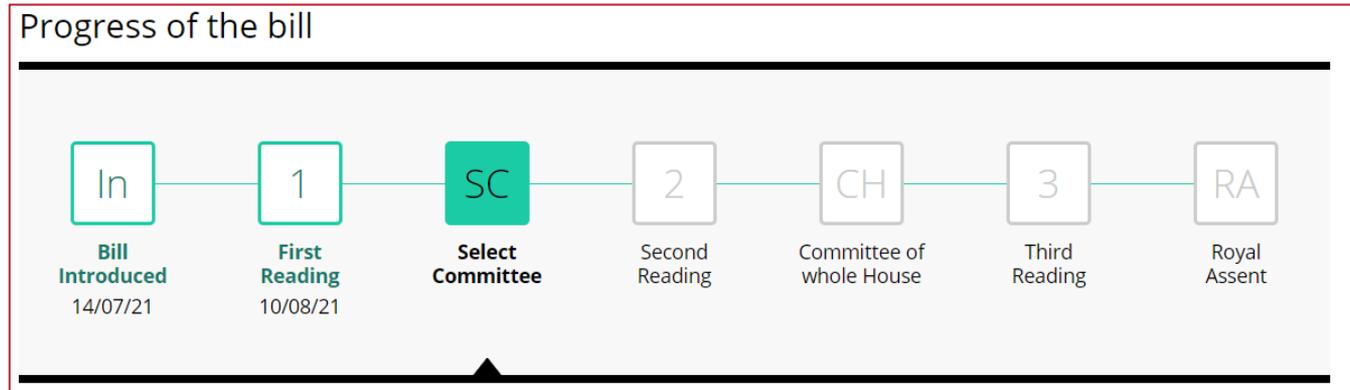
South Korea's Ministry of the Environment (MOE) issued a final partial amendment to both the Enforcement Decree of the Act on Registration, Evaluation, etc. of Chemicals (K-REACH) as well as the K-REACH Enforcement Rule on Oct. 14, 2021 that includes:

- Identification of additional substances for which some registration data requirements can be waived (Article 13 of revised Enforcement Decree and Article 5 of the Enforcement Rule)
- Improved procedure for identification of authorization substances (Article 19 of revised Enforcement Decree)
- Clarification on the process for submission of opinions on hazard review results (Article 24 of revised Enforcement Rule)
- Methods to provide the chemical safety information (Article 36 of revised Enforcement Rule)
- Additional data required for registration of nanomaterials (Annex I of the revised Enforcement Rule)

New Zealand

A Hazardous Substances and New Organisms (Hazardous Substances Assessments) Amendment bill is working its way through the New Zealand Parliament.

Goal: improve the speed and efficiency of the assessment and reassessment of hazardous substances by, among other things, enabling the EPA to better use information from international regulators.



Thailand

Thailand's Committee of Chemical Policy Development has issued several drafts of a new Chemical Act (CA) with the expectation that it will replace the Hazardous Substances Act (HSA). Additional chemical-related acts are expected, essentially overhauling the entire approach to chemical management within Thailand.

One of the most significant changes is the amendment of the chemical classification system. If promulgated, the Chemical Assessment Committee will classify chemicals according to their risks posed to health and the environment and divide them into four chemical lists. 

It must be noted that now only Type 2 and 3 hazardous substances are required to be registered under HSA while every substance must be registered under CA. Enterprises must also submit a request to evaluate/assess new chemicals (those that are not present on any of the four lists).

The fifth revision was expected to be issued in 2021 but has been withdrawn.

List 1 (low risk): Enterprises must comply with criteria and conditions such as import, production, export, possession, transportation, disposal or recycling issued by competent authority.

List 2 (low risk): Enterprises must inform (advance notification) competent authority.

List 3 (high risk): Enterprises must obtain permissions (license/permit) from competent authority.

List 4: All activities are prohibited.

Inventory

On June 22, 2020, DIW released a final searchable chemicals inventory (via B.E. 2563).

It contains 11,476 substances, about 10% of which have a classification code associated with its entry.

- Low concern chemical (LCC): 1,524 substances
- General chemical (GC): 430 substances
- Chemical of concern (CoC): 348 substances
- Chemical of high concern (CHC): 13 substances

This inventory has been years in the making and is a critical piece of the anticipated chemicals management overhaul.

Thailand

In early 2021, Thailand issued its Fifth National Strategic Plan on Chemical Management outlining strategies and development guidelines for the following time periods:

- 2019 to 2022
- 2023 to 2027
- 2028 to 2032
- 2033 to 2037

Vietnam

The Vietnamese Ministry of Industry and Trade (MOIT) recently issued Circular No. 48/2020/TT-BCT, which details a National Technical Regulation on general safety requirements for the production, trade, usage, storage and transportation of hazardous industrial chemicals (QCVN 05A:2020/BCT). The requirement applies to all organizations and individuals engaged in activities related to hazardous industrial chemicals. The Circular will become effective on **Jan. 1, 2022**; all active chemical facilities must comply with all requirements within an 18-month transition period.

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Độc lập - Tự do - Hạnh phúc

Số: **193** /QĐ-BCT

Hà Nội, ngày **21** tháng **01** năm **2021**

VĂN PHÒNG CHÍNH PHỦ
CÔNG VĂN ĐẾN
GiờC Ngày ...**25/01**.....
Kính chuyển:**T.T.T. (C)**.....

CÔNG THÔNG TIN ĐIỆN TỬ CHÍNH PHỦ
ĐẾN Giờ: ...**C**.....
Ngày: **25/01/2021**

QUYẾT ĐỊNH

Đính chính các Quy chuẩn kỹ thuật quốc gia ban hành kèm theo Thông tư số 45/2020/TT-BCT, Thông tư số 46/2020/TT-BCT, Thông tư số 47/2020/TT-BCT, Thông tư số 48/2020/TT-BCT, Thông tư số 49/2020/TT-BCT, Thông tư số 50/2020/TT-BCT

BỘ TRƯỞNG BỘ CÔNG THƯƠNG



National Chemical Inventory

In October 2020, MOIT reopened a window (until April 15, 2021) for additional submissions to the National Chemical Inventory (NCI).

This NCI is still a work in progress and, according to the Law of Chemicals, is defined as a “list of chemicals currently used in Vietnam under government regulations.”

A final version of the inventory is expected to be published in 2021 or 2022, along with regulations outlining the approval process for "new" substances not on the inventory.

WHAT ELSE IS HAPPENING?

Vietnamese government pending actions:

- A long-term strategy for chemical management to drive a greener, more sustainable future by **2030-2040** is expected to be developed in 2021.
- Decree 113/2017/ND-CP is expected to be revised in **2021-2022**.
- The Law on Chemicals is expected to be revised in **2021-2025**.

Europe

EU REACH

On June 17, 2021, the European Commission (EC) published Regulation (EU) 2021/979, amending Annexes VII to X of Regulation (EC) No. 1907/2006 (REACH Regulation), which will come into force on **Jan. 8, 2022**.

Annexes VII to X of the REACH Regulation clarify requirements for submission of their registration dossiers, dependent upon the quantity of the substance manufactured or imported into the European Union (EU)/European Economic Area (EEA).

EU Sustainable Chemical Strategy

On Oct. 14, 2020, the EC released its long-range strategy document on chemical sustainability that is expected to drive innovation and policy in the European chemical industry for the foreseeable future.

The main aim of the strategy is to change the way chemicals are produced and used so that they minimise the impact on human health and the environment, whilst maximising their contribution to society. In the process, a more circular economy is to be generated with secondary materials being required to meet the same high standards as virgin ones, and incentives are to be provided to help the industry and its value chain undergo the green transition.

To achieve these aims, the EC outlined 16 areas to be addressed, covering topics such as how to make products sustainable by design, how they intend to move towards a group chemical assessment approach and how digital technologies are to be used to innovate chemical product production.

EU consultations

In May 2021, the EC issued drafts for consultation on road maps for REACH and CLP revision.

Comments were due June 1, 2021.

Public consultation on REACH changes expected in **Q2 2022**, which will include a recommendation for preparation of Chemical Safety Assessments (CSAs) for the 1 to 10 tonne tonnage band.

SCIP

Substances of Concern in (articles or in) Products (SCIP)

From Jan. 5, 2021, onwards, EU producers and assemblers, importers and distributors of articles as well as any other actor who places articles on the market, must provide information to ECHA on the safe use of such articles that contain SVHCs from the Candidate List in a concentration above 0.1% w/w.

The legal obligation also covers articles imported into the EU, including imports from internet sales.

A searchable SCIP database was released in mid-September 2021 and includes over 84,000 articles.



UK REACH Regulation

Following the U.K. exit from the EU, relevant EU laws were copied into U.K. law and became applicable from Jan. 1, 2021.

For U.K. REACH, the same principles were adopted:

No data, no market

Animal testing is last resort

Information for workers

Precautionary approach

- Legal requirements for companies based in Great Britain
- Essentially EU REACH regulation



UK REACH Regulation

Registration of chemical substances

- Evaluation of chemical substances
 - Control of chemical substances (restrictions, authorisations)
 - Supply chain communication
-
- Legal requirements for companies based in Great Britain
 - Essentially EU REACH regulation

UK REACH applies to chemical substance manufactured in or imported into GB over 1 tonne per annum





U.K. REACH

Key dates

Timeline



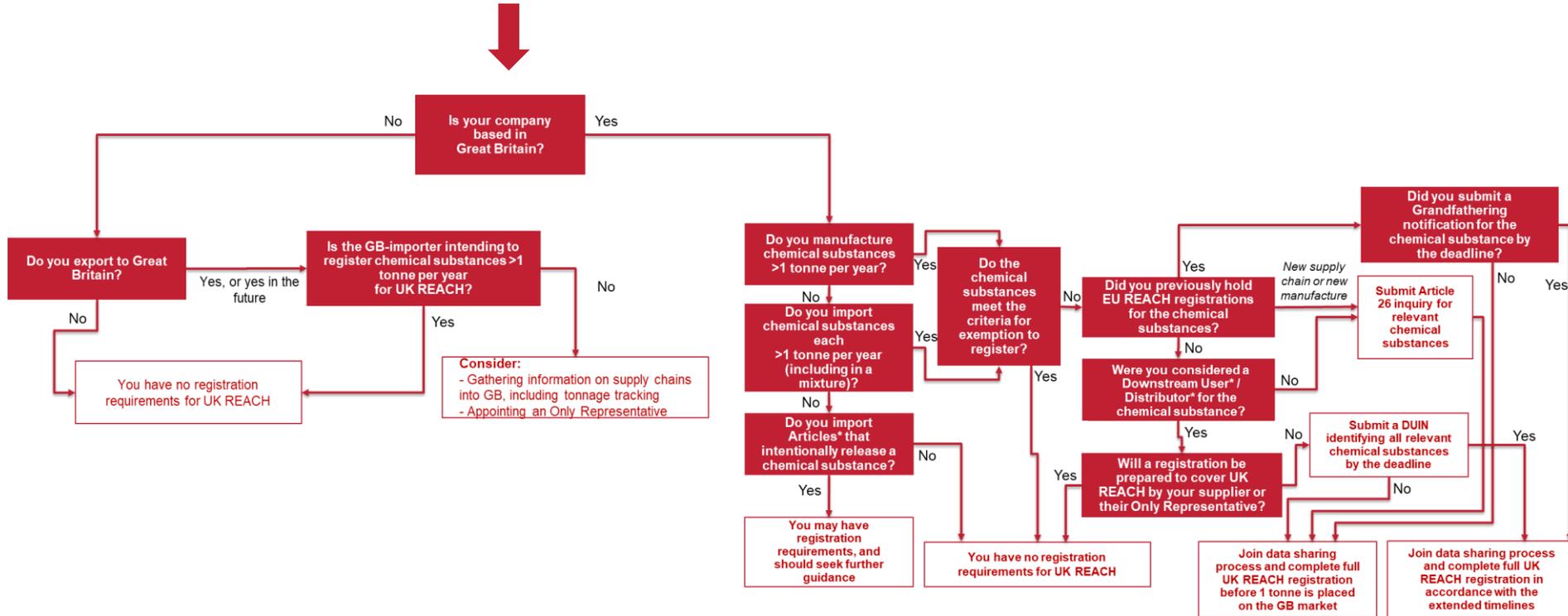
UK REACH Regulation



Comply with U.K. REACH service

- The GB-based company providing information to U.K. authorities will need to create an account.
- Accessed via U.K. government website
- To complete tasks, such as:
 - Grandfathering
 - New substance registration
 - DUIN submission
 - Transfer of registration to other legal entities

UK REACH registration — determining actions



Russia

In December 2020, the Ministry of Industry and Trade announced that the initial notification process of chemicals was completed.

As of early 2021, the Russian inventory contained approximately 80,000 substances that could be searched by names and identifiers, such as CAS and EC numbers.

Although there has not been an official announcement regarding the future notification process, it is reasonable to expect that from now on, any notifications will require significantly more information about chemical substances than during the initial process.

However, if a company can prove that substances were present in the Russian market prior to the TR EAEU 041/2017 entry into force, then a simple notification (like the one completed by the end of 2020) is still allowed.

Eurasian REACH?

The TR EAEU 041/2017 calls for creation of a union-wide inventory of chemical substances based on national inventories from each member country of the EAEU. According to the previously proposed timeline, EAEU planned to spend approximately six months after receiving the information on inventories from each member country to compile an EAEU registry of existing substances with minimal information about these substances, such as names, synonyms and identifiers.

After that, about 8-10 months were intended for each member country to update their inventories with additional information on each chemical, such as hazard classification and typical use. After the member-states provide the additional information, the national part of the EAEU inventory would be considered complete.

The TR EAEU 041/2017 was supposed to enter into force on June 2, 2021. However, the date was contingent on the establishment of an EAEU inventory of chemical substances and a mechanism for notification of new substances to the inventory. Because formation of the national inventory was delayed in Russia, the entry into force of the TR EAEU 041/2017 will be delayed as well.

EAEU = Eurasian Economic Union
Armenia
Belarus
Kazakhstan
Kyrgyzstan
Russian Federation

Entry into force of TR EAEU
041/2017 is delayed, potentially
to **November 2022**.

EEC

The Eurasian Economic Commission (EEC), the executive body of the Eurasian Economic Union, has issued two drafts relating to the creation and maintenance of a register of substances and mixtures as well as the establishment of a procedure to notify and register new substances.

This legal text is necessary to implement the technical regulations.

The comment period on the drafts closed April 1, 2021.

Proposed effective dates are scattered throughout **2022** and range from July to November.

Submission to the authorities is still permitted until **Nov. 1, 2024**, which now requires verification of sale/import of substances within the customs territories of EAEU prior to the date that TR EAEU 041/2017 entered into force.

Middle East/Africa

Israel

Industrial Chemicals Registration Law proposed in 2020 with the public comment period closed on Oct. 22, 2020.

Proposed effective date: **March 1, 2023**

Proposed deadline for submission: **Sept. 1, 2024**

Administering authority: Ministry of Environmental Protection (MEP)

Key points

- Establishment of a chemical inventory
- Establishment of processes for risk assessment and management

Timeline for finalization of draft: Unknown

Key points

Establishment of an inventory

- Chemical registration: 30 days prior to manufacturing
- Threshold to register: Quantities greater than 10 tonnes per year

Risk assessment

- Priority testing list
- Risk assessment performed on selected chemicals according to criteria proposed in the new law.
 - The risk assessment will factor in existing assessments and recommendations for the regulation of chemicals elsewhere in the world, such as Europe, the U.S. and Australia.

Risk management

- Establishment of limits or prohibitions to reduce the risk from exposure to the identified chemicals, either from the production process or the daily use through the disposal at the end of its chemical life cycle.

Draft Chemical Management Program in process

Country	Responsible authority	Timeline
Ghana	Environmental Protection Agency	unknown
Kenya	Environmental Protection Agency	unknown
Pakistan	Ministry of Climate Change	unknown
Sierra Leone	Environmental Protection Agency	unknown

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<https://www.ul.com/news/news-stories>



Questions

Darlene Susa-Anderson

UL.com

Appendix — Americas

Brazil status of pending

legislation: <https://www.camara.leg.br/proposicoesWeb/fichadetramitacao?idProposicao=2230281> (in Portuguese)

Canada Bill C-28: <https://parl.ca/DocumentViewer/en/43-2/bill/C-28/first-reading>

Chile Regulation on the Classification, Labeling and Notification of Hazardous Substances and Mixtures:

<https://www.diariooficial.interior.gob.cl/publicaciones/2021/02/09/42876/01/1892688.pdf> (in Spanish)

Appendix — Asia Pacific

Australia Industrial Chemicals Environmental Management (Register) Bill 2020:

https://www.aph.gov.au/Parliamentary_Business/Bills_Legislation/Bills_Search_Results/Result?bId=r6638

China MEE Order No. 12, “Measures on Registrations of New Chemical Substances for Environmental Management”: http://www.mee.gov.cn/xxgk2018/xxgk/xxgk02/202005/t20200507_777913.html (in Chinese)

China Guidance for New Chemical Substance Registrations for Environmental Management

http://www.mee.gov.cn/xxgk2018/xxgk/xxgk01/202011/t20201119_808843.html (in Chinese)

Draft South Korea Enforcement Decree: [화학물질의 등록 및 평가 등에 관한 법률 시행령 일부개정령\(안\).hwp \(nist.gov\)](#) (in Korean)

Draft South Korea Enforcement Rule: [화학물질의 등록 및 평가 등에 관한 법률 시행령 일부개정령\(안\).hwp \(nist.gov\)](#) (in Korean)

New Zealand Hazardous Substances and New Organisms (Hazardous Substances Assessments)

Amendment bill: [https://www.parliament.nz/en/pb/bills-and-laws/bills-proposed-](https://www.parliament.nz/en/pb/bills-and-laws/bills-proposed-laws/document/BILL_112194/hazardous-substances-and-new-organisms-hazardous-substances)

[laws/document/BILL_112194/hazardous-substances-and-new-organisms-hazardous-substances](https://www.parliament.nz/en/pb/bills-and-laws/bills-proposed-laws/document/BILL_112194/hazardous-substances-and-new-organisms-hazardous-substances)

Vietnam Circular No. 48/2020/TT-BCT:

http://cuchoachat.gov.vn/default.aspx?page=legal&do=detail&category_id=2&id=80

Appendix — Europe

EU Regulation (EU) 2021/979: <https://eur-lex.europa.eu/eli/reg/2021/979/oj>

Searchable SCIP database: <https://echa.europa.eu/scip-database>

Russian inventory: <https://gisp.gov.ru/cheminv/pub/app/search/>

Text of the draft procedure can be accessed on the portal of the Eurasian Economic Commission: https://docs.eaeunion.org/ria/ru-ru/0113146/ria_29052018_mdoc.pdf (in Russian)

Annex 2 - Recommendations on writing a report on safety of a chemical: https://docs.eaeunion.org/ria/ru-ru/0113150/ria_29052018_mdoc.pdf (in Russian)

Annex 3 - list of official informational sources: https://docs.eaeunion.org/ria/ru-ru/0113152/ria_29052018_mdoc.pdf (in Russian)

Other related documents and results of public discussion: https://docs.eaeunion.org/ria/en-us/0102992/ria_29052018 (in Russian)

Appendix — Middle East/Africa

Proposed Israel Industrial Chemicals Registration Law:

https://www.tazkirim.gov.il/s/tzkirim?language=en_US&tzkir=a093Y00001Rdkz8QAB (in Hebrew)



PCN regulatory and module updates

Christine Lepisto

November 2021 | WERCS Studio Virtual User Group

Agenda

03 Overview of PCN module

11 Regulatory updates

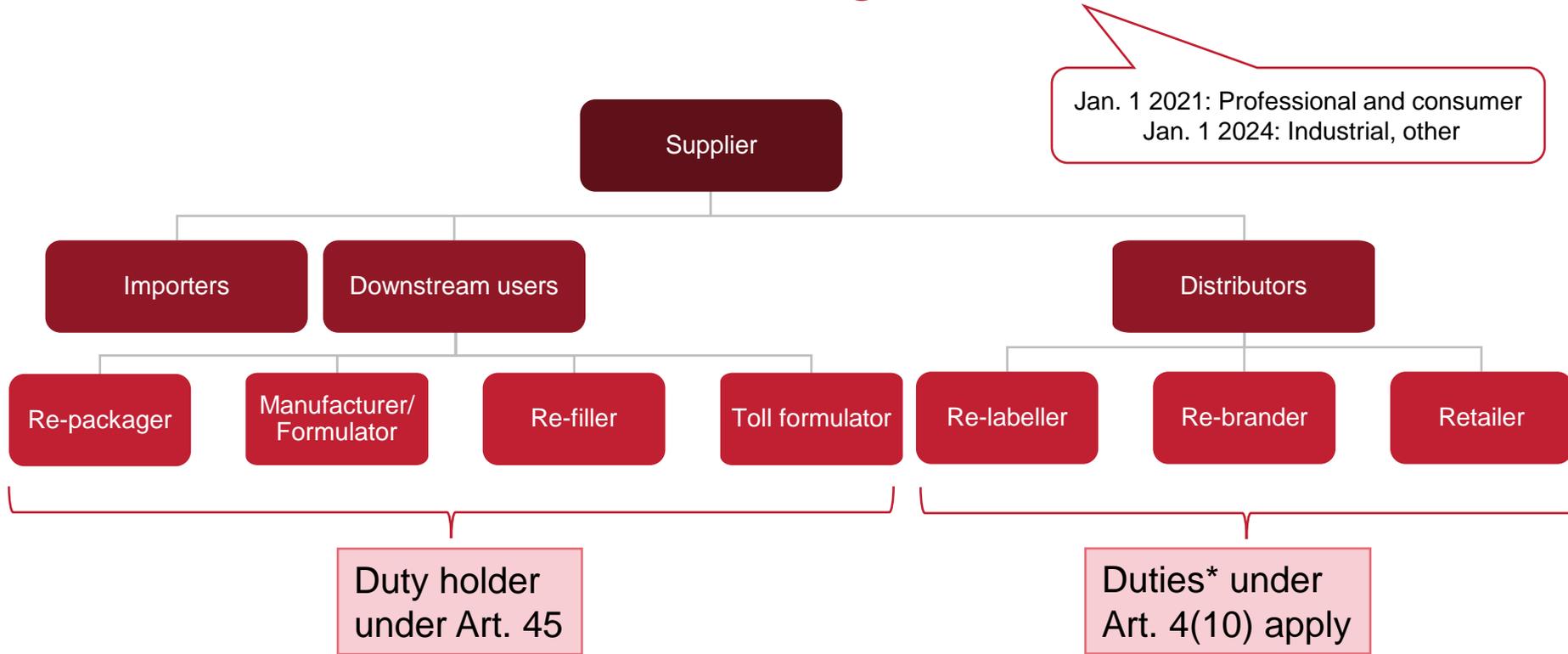
16 Module enhancements

19 Module tips and tricks

Overview of the PCN module

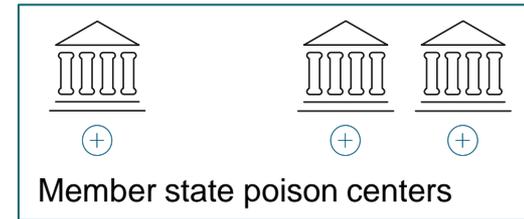
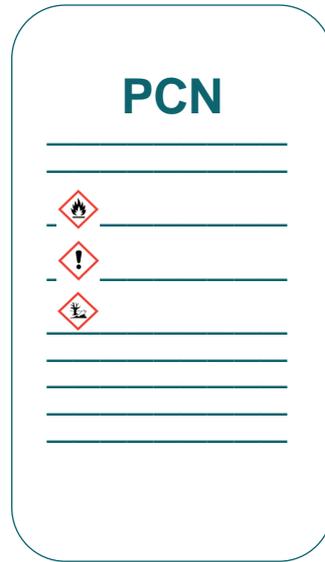
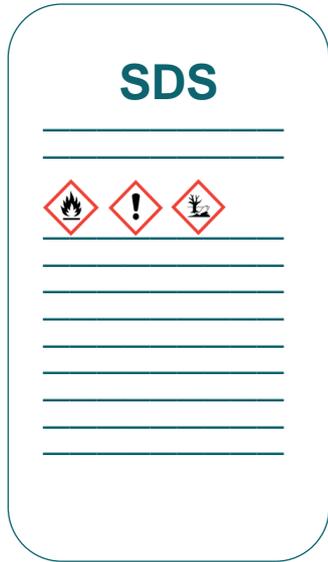
System-to-system poison centre notifications

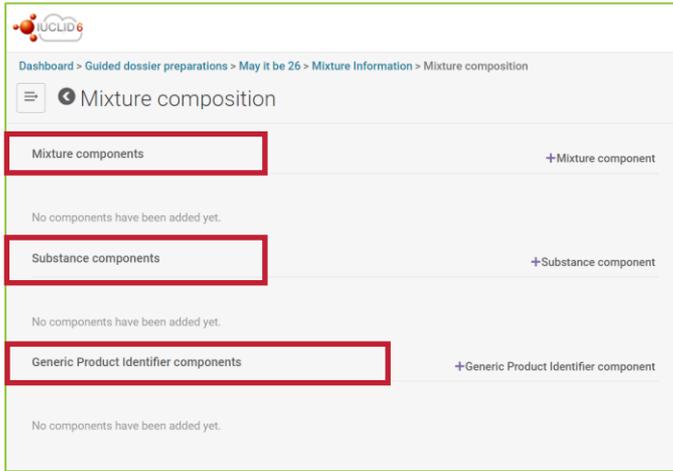
Poison centre notification obligations



*Introduced in July 2019, v 2.0 Guidance on Annex VIII

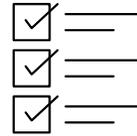
WERCS Studio PCN module





PCN dossier format:

The IUCLID PCN format defines mixture composition in **three types**

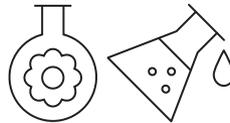


Substance components: if print flag is on, the substance is notified as a component.



Mixture in mixture

Supplied raw material with incompletely known substance composition

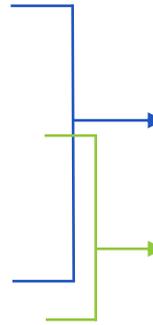


Generic components

- Perfumes
- Colorants

Benefits of the PCN module

RM1	Water, CAS	100	81.5
RM2	Sodium citrate, CAS	100	2
RM3	Fatty acid, CAS	40	10
	Methanol, CAS	4.9	
	Water, CAS	52.2	
	Sodium citrate, CAS	2.9	
RM4	Sodium alkyl sulfate, CAS	100	3
RM5	Surfactant, CAS	58	2
	Alkyl amine, CAS	20	
	Sodium citrate, CAS	2	
	Unknown	20	
RM6	Blue colorant, Non-haz	100	1.5



Substances		
Water, CAS		74.9 – 94.9
Fatty acid, CAS		3.3 – 4.3
Sodium alkyl sulfate, CAS		2.1 - 3.1
Sodium citrate, CAS		0.4 – 3.4
Methanol, CAS		0.37 - 0.67



MiM		
Surfactant, CAS		58
Alkyl amine, CAS		20
Sodium citrate, CAS		2



GPI		
Colorant		

Interfacing with ECHA IUCLID Cloud

After proper setup of the S2S keys in the legal entity part of the WERCS Studio PCN module, the user can click submit to send the PCN dossier to ECHA via the system-to-system (S2S) portal functionality.

The screenshot displays the WERCS Studio PCN interface. At the top, the product information is shown: "Product: Gravure Ink CL-2101 (new build of PCNP03) / PCNP12" and "Alias: Gravure Ink CL-2101 (new build of PCNP03) / PCNP12". The "Format" is set to "MTR / PCND". A "History" button is visible. The left sidebar contains a navigation menu with items like "Generics identification R", "Print flags R", "Mixtures in Mixtures", "Dossier information", "General Information", "Classification and Labeling", "Formulation", "Physical properties", "Packaging", "Submission selection", and "Validation report". The main area shows a "Validation Summary" section with a "Submit" button. A green callout box points to this button with the text "Submit to ECHA via S2S portal". Below the "Submit" button is a "History -- Webpage Dialog" window showing a "Submission History" table. A green callout box points to the "Status" column of this table with the text "ECHA S2S portal pings back the final status".

Legal Entity	Product	Status	Submission	Submission Date	Last Update	
CHEMICAL SAFETY CONSULTING - Gravure Ink CL-2101 (new build of PCNP03)						
+ CHEMICAL SAFETY CONSU	PCNP12	Validation Successful	YFU320356-19	Jan-12-2021	Jan-12-2021	Download

Interfacing with ECHA IUCLID Cloud

An i6z format dossier is compiled by the PCN module either as a preview (available before submittal) or as the official dossier (available from the history view after submittal).

PCN

Format: MTR / PCND
Product: Gravure Ink CL-2101 (new build of PCNP03) / PCNP12
Alias: Gravure Ink CL-2101 (new build of PCNP03) / PCNP12

History

Generics identification R
Print flags R
Mixtures in Mixtures
Dossier information
General Information
Classification and Labeling
Formulation
Physical properties
Packaging
Submission selection
Validation report

Pages

Validation Summary

Source Entity Field Name Type Message

No validation errors

Download Submit

History -- Webpage Dialog

Submission History

Submission History

Legal Entity Product Status Submission Submission Date Last Update

Legal Entity	Product	Status	Submission	Submission Date	Last Update	
CHEMICAL SAFETY CONSULTING - Gravure Ink CL-2101 (new build of PCNP03)						
+ CHEMICAL SAFETY CONSU	PCNP12	Validation Successful	YFU320356-19	Jan-12-2021	Jan-12-2021	Download

PCN regulatory updates

CLP Annex VIII amendments

ECHA system-to-system evolution

PCN: Annex VIII to CLP

- (EU) 2017/542: Creates Annex VIII
 - Commission Regulation (EU) 2017/542 of 22 March 2017 amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures by adding an Annex on harmonised information relating to emergency health response
- (EU) 2020/11 of 29 October 2019
 - First amendments to Annex VIII
- (EU) 2020/1677 of 31 August 2020
 - "Workability" amendments

PCN: first amendments to Annex VIII

- Compliance deadline for consumer product extended to Jan. 1, 2021
- Group submission no longer requires same product category
 - Same health and physical hazards still required
- Generic "fragrances" deleted, as redundant with "perfumes"
- Contact details for further information required, if different from submitter
- Adds name for limited notification emergency contact, clarifies for emergency relevance
- pH data is made mandatory, or a justification must be provided
- Clarifies "mixture component" is either a substance or a mixture in mixture (MiM)
- MiM composition information required regardless of notification status; adds option for name, email address and telephone number of MiM supplier if MiM UFI not notified

PCN: second amendments to Annex VIII

- Clarifies submittal deadline with industrial for mixtures used in non-notified end uses
- Bespoke paints
 - Option to label with the UFI and composition as mixed at the point of sale
- Fuels – special cases for use of SDS compositions
- Interchangeable component groups
 - Significantly different approach from product/alias "group" submissions currently supported in PCN module
 - UL is studying this concept – your input is welcome!
- Adds a new Part D: standard formulas
 - Simplified "group submission" option for products with compositions within the ranges provided in 17 standard formulas

ECHA updates – a constantly moving target

- ECHA validation rules workgroup
 - Representatives of the appointed member state (MS) bodies and of the industry and S2S software suppliers meet to steer the evolution of the validation rules.
 - MS bodies want lots of warnings to help identify where they should audit.
 - Industry users often get unnecessary warnings.
 - Quarterly updates to validation rules
 - Disabling submissions
 - The test dossier is submitted in the production environment by mistake.
 - Data is incorrect and a simple update is not possible.
 - Foreign users submit their own legal entity instead of the dutyholder's.

PCN module enhancements

Usability and evolution

PCN module enhancements

V15.0 – 17.0

- Better visibility of input raw materials in all tab views
- Added translation checks to validation
 - Validation will fail if translations or additional text are missing in an expected language.
- CAS, EC Number, REACH number validity checks improved
- Alias UFI and Alias ID tracking in history tables
- Enable submittal of EUH statements (not mandated in Annex VIII)
- Evolution of ECHA validation rules and usability enhancements
- Bug fixes

PCN module enhancements

V18.0

- Update to use LCID instead of 2-digit language code
 - Great for not mixing up standard codes with client-specific codes like BE versus GB or UK
 - Causing issues for clients with language-limited publishing options like Belgian French and Belgian Dutch – be sure to use the correct LCID for each specific language in the localization setup
- BR624 changed to QLT642 – removed from PCN
- Minor bug fixes

V19.0

- PCN.Core has been updated to use v2 of the ECHA S2S API. Customers should take this patch or an update before the end of October.

PCN module tips and tricks

Get the most out of your PCN tools

Error messages for data missing (inconsistent)

The "http://iuclid6.echa.europa.eu/namespaces/FLEXIBLE_RECORD-Ghs/6.0;value" element is invalid – The value "0" is invalid according to its datatype "http://iuclid6.echa.europa.eu/namespaces/Core/v6:GHS70"
– The enumeration constraint failed.

???

ECHA picklist spreadsheet: check your aquatic categories!



phrasegrou	Phrase group versio	Phrase group revisio	phraseid	phrasetxt
GHS70	v1.0	GHS70 - v1.0	7079	Aquatic Acute 1
GHS70	v1.0	GHS70 - v1.0	7080	Aquatic Acute 2
GHS70	v1.0	GHS70 - v1.0	7081	Aquatic Acute 3



Validation rules

Why do I have to provide a pH?

Studio	EndpointSummaries.Ph	PhValue	Error	A pH value was not found.
Studio	EndpointSummaries.GeneralInformation	PhysicalState	Error	Value: '0' is not valid for appendix A19.
Studio	EndpointSummaries.GeneralInformation	PhysicalState	Error	Value: '0' is not valid for appendix A19.
Studio	DossierContainer	BR585	Error	If pH is relevant, 'Solution concentration' to be reported.

PhValue	Error	A pH value was not found.
PhysicalState	Error	Value: '0' is not valid for appendix A19.
PhysicalState	Error	Value: '0' is not valid for appendix A19.
BR585	Error	If pH is relevant, 'Solution concentration' to be reported.



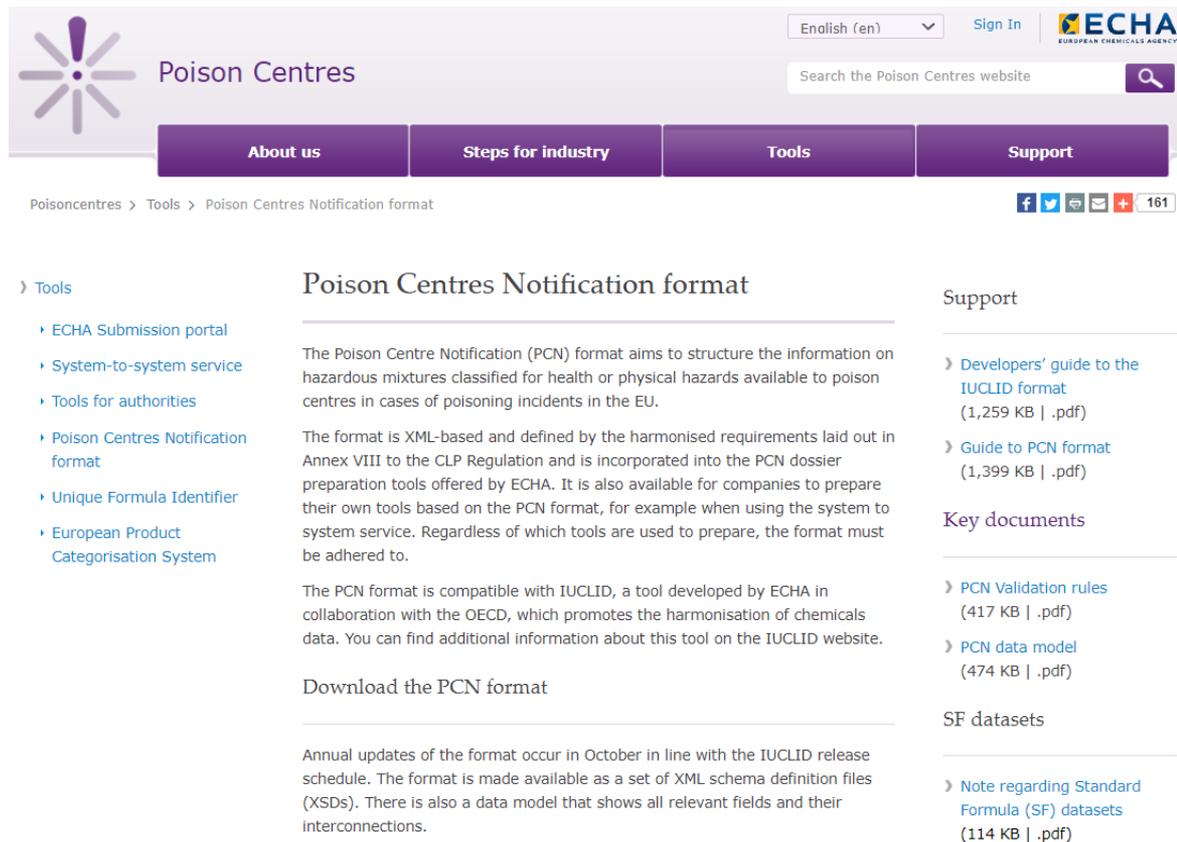
ECHA validation rules:

BR585	If pH is available, 'Solution concentration' must be provided.	S + G
BR621	If 'pH is not available' was indicated, then explanation why pH was not available should be provided by selecting justification from the adjacent dropdown list.	S + G

ECHA PCN format website

<https://poisoncentres.echa.europa.eu/poison-centres-notification-format>

Or ask your
customer support specialist!



The screenshot shows the ECHA Poison Centres website. The header includes the ECHA logo, a language dropdown set to English (en), a Sign In link, and a search bar. The main navigation menu has four items: About us, Steps for industry, Tools, and Support. The breadcrumb trail reads: Poisoncentres > Tools > Poison Centres Notification format. The page title is "Poison Centres Notification format".

Tools

- ▶ ECHA Submission portal
- ▶ System-to-system service
- ▶ Tools for authorities
- ▶ Poison Centres Notification format
- ▶ Unique Formula Identifier
- ▶ European Product Categorisation System

Poison Centres Notification format

The Poison Centre Notification (PCN) format aims to structure the information on hazardous mixtures classified for health or physical hazards available to poison centres in cases of poisoning incidents in the EU.

The format is XML-based and defined by the harmonised requirements laid out in Annex VIII to the CLP Regulation and is incorporated into the PCN dossier preparation tools offered by ECHA. It is also available for companies to prepare their own tools based on the PCN format, for example when using the system to system service. Regardless of which tools are used to prepare, the format must be adhered to.

The PCN format is compatible with IUCLID, a tool developed by ECHA in collaboration with the OECD, which promotes the harmonisation of chemicals data. You can find additional information about this tool on the IUCLID website.

Download the PCN format

Annual updates of the format occur in October in line with the IUCLID release schedule. The format is made available as a set of XML schema definition files (XSDs). There is also a data model that shows all relevant fields and their interconnections.

Support

- ▶ Developers' guide to the IUCLID format (1,259 KB | .pdf)
- ▶ Guide to PCN format (1,399 KB | .pdf)

Key documents

- ▶ PCN Validation rules (417 KB | .pdf)
- ▶ PCN data model (474 KB | .pdf)

SF datasets

- ▶ Note regarding Standard Formula (SF) datasets (114 KB | .pdf)

Useful services in the ECHA IUCLID Cloud

The services offered include:

- IUCLID Cloud
- IUCLID Cloud Trial
- ECHA Submission portal
- ECHA Submission portal Trial
- *Note: if the app setting for test environment is set to "env," test submissions from WERCS PCN module land in this submission portal Trial account page.*



The screenshot displays the ECHA Cloud Services dashboard. It is organized into two main sections: "ECHA Cloud services" and "Submission services".

ECHA Cloud services

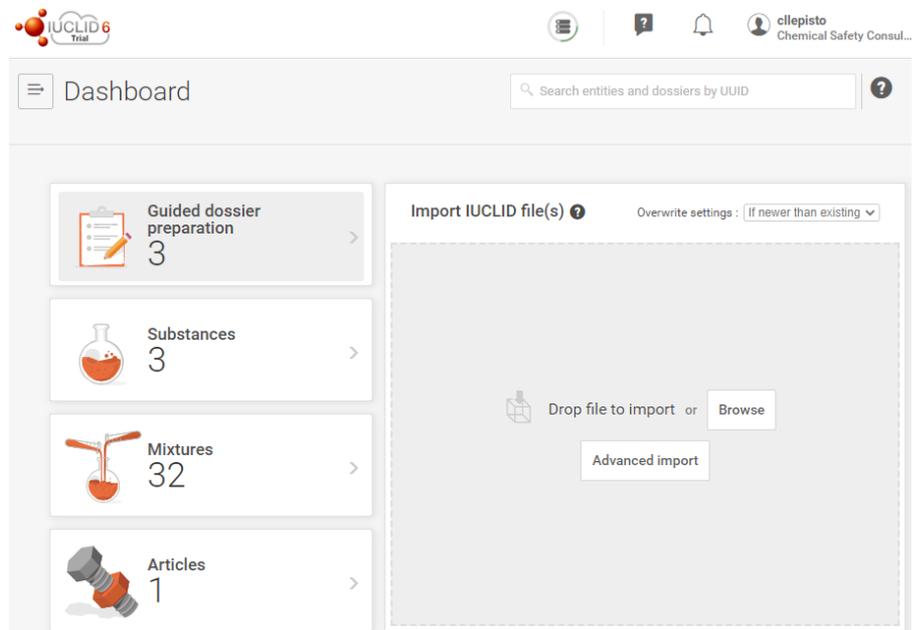
- IUCLID 6**: This full IUCLID Cloud service allows users to maintain their scientific data and prepare dossier for submission to ECHA. [Read more](#). Includes "Access service" and "Manage service" buttons.
- IUCLID 6 Trial**: This service is designed for users who wish to get familiarised with a trial version of IUCLID Cloud before starting to use the full IUCLID Cloud service. [Read more](#). Includes "Access service" and "Manage service" buttons.

Submission services

- ECHA Submission portal**: The ECHA Submission Portal is an online tool for submitting SCIP and Poison Centres notifications. Includes "Access service" button.
- ECHA Submission portal Trial**: Trial version to get familiar with the features. All submissions made in trial will not be treated as real data. Includes "Access service" button.

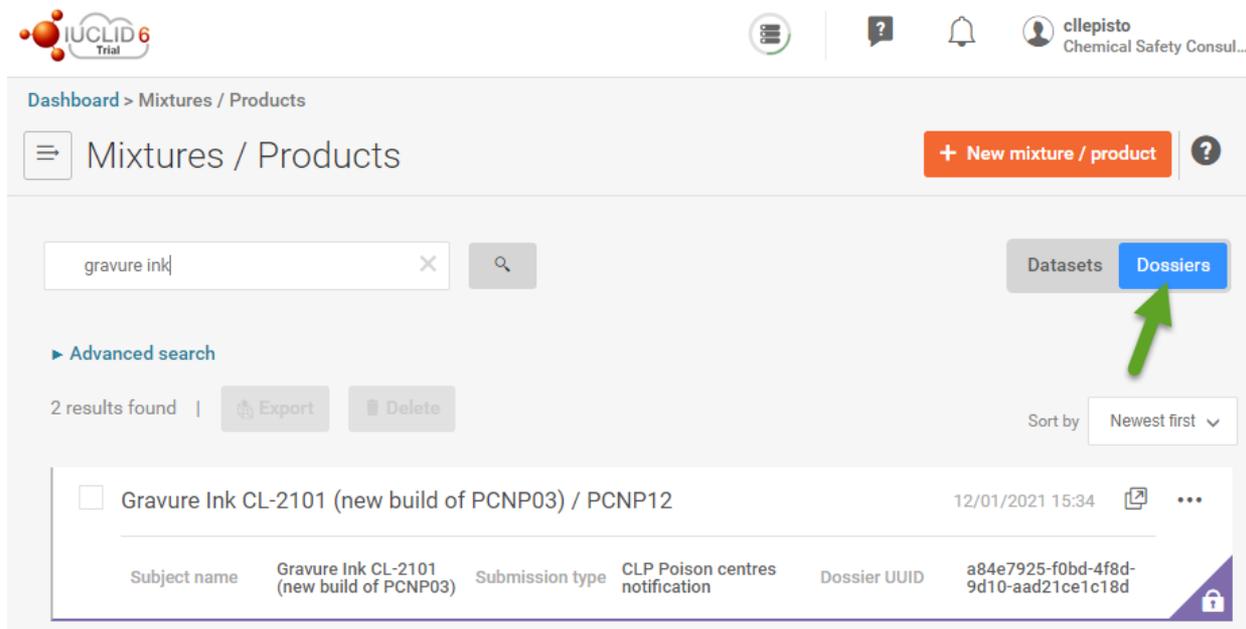
Useful services in the ECHA IUCLID Cloud

The i6z dossier downloaded from the WERCS Studio PCN module can be imported to the ECHA IUCLID Cloud or Cloud Trial by drag-and-drop or by browsing and uploading the file.



Useful services in the ECHA IUCLID Cloud

After import, the file is visible under the "dossiers" view tab of the mixtures/products page:



The screenshot displays the ECHA IUCLID Cloud interface. At the top left is the IUCLID 6 Trial logo. The top right shows user information for 'clepisto' (Chemical Safety Consul...). The main header includes 'Dashboard > Mixtures / Products' and a search bar containing 'gravure ink'. A green arrow points to the 'Dossiers' tab, which is highlighted in blue. Below the search bar, there are 'Advanced search' options, 'Export', and 'Delete' buttons. The results section shows '2 results found' and a 'Sort by' dropdown set to 'Newest first'. The first result is 'Gravure Ink CL-2101 (new build of PCNP03) / PCNP12', dated '12/01/2021 15:34'. Below this, a table provides details for the dossier.

Subject name	Submission type	CLP Poison centres notification	Dossier UUID
Gravure Ink CL-2101 (new build of PCNP03)	CLP Poison centres notification		a84e7925-f0bd-4f8d-9d10-aad21ce1c18d

Useful services in the ECHA IUCLID Cloud

Once the dossier file is opened in the ECHA IUCLID Cloud, options are available to:

- Export to i6z
- Generate report

The screenshot displays the ECHA IUCLID Cloud interface. The top navigation bar shows the user 'cllepisto' and the 'Chemical Safety Consulting' logo. The breadcrumb trail is 'Dashboard > Mixtures / Products > Gravure Ink CL-2101 (new build of P...'. The main header of the dossier page reads 'Gravure Ink CL-2101 (new build of PCNP03) / PCNP12' with the identifier 'a84e7925-f0bd-4f8d-9d10-aad21ce1c18d'. A dropdown menu is open, showing several options: 'Export to i6z', 'Export annotations to i6z', 'Create component PDF', 'Compare', 'Generate report', and 'Dissemination preview'. Green arrows point to the 'Export to i6z' and 'Generate report' options. The main content area shows 'Dossier Submission' details: 'Dossier name (given): Gravure Ink CL-2101', 'Version: clp 5.0', and 'Submission Type: CLP Poison centres notification'. The 'Dossier Subject' section includes 'Dossier Subject: Gravure Ink CL-2101 (new build of PCNP03)', 'Submitting Legal Entity: CHEMICAL SAFETY CONSULTING | Freiberg | Germany', and 'Dossier creation date/time: 2021-01-12T16:34:07.687'.

Useful services in the ECHA IUCLID Cloud

Once the dossier file is opened in the ECHA IUCLID Cloud, options are available to:

- Export to i6z
- Generate report

The screenshot displays the ECHA IUCLID Cloud interface for a dossier titled "Gravure Ink CL-2101 (new build of PCNP03) / PCNP12". The breadcrumb trail is "Dashboard > Mixtures / Products > Gravure Ink CL-2101 (new build of P...". The dossier details include:

- UID: a84e7925-f0bd-4f8d-9d10-aad21ce1c18d
- Submission Type: CLP Poison centres notification
- Dossier name (given): Gravure Ink CL-2101
- Version: clp 5.0
- Dossier Subject: Gravure Ink CL-2101 (new build of PCNP03)
- Submitting Legal Entity: CHEMICAL SAFETY CONSULTING | Freiberg | Germany
- Dossier creation date/time: 2021-01-12T16:34:07.687

A dropdown menu is open, showing the following options:

- Export to i6z
- Export annotations to i6z
- Create component PDF
- Compare
- Generate report
- Dissemination preview

Green arrows highlight the "Export to i6z" and "Generate report" options.

Useful services in the ECHA IUCLID Cloud

Export to i6z

- Creates a PCN dossier from the ECHA Cloud, as required for submittal to Northern Ireland for post-Brexit PCN compliance

IUCLID 6 container manifest file

General Information

Created:	Thu Feb 04 17:56:18 EET 2021
Author:	cllepisto
Application:	IUCLID6 Cloud (5.7.0, build of 2021-01-16T09:11:26Z)
Submission type:	CLP_PCN
Archive type:	DOSSIER_DATA
Legislations:	domain (6.0), clp (6.0)

Comment

Base document uuid

a84e7925-f0bd-4f8d-9d10-aad21c1c18d/a84e7925-f0bd-4f8d-9d10-aad21c1c18d

Contained documents

DOSSIER:	Gravure Ink CL-2101 (new build of PCNP03) / PCNP12	
First modification date:	2021-01-12T14:34:07Z	Last modification date: 2021-01-12T14:34:07Z
UUID:	a84e7925-f0bd-4f8d-9d10-aad21c1c18d/a84e7925-f0bd-4f8d-9d10-aad21c1c18d	
Links	<ul style="list-style-type: none">ECHA-57c723a3-bc18-476d-900f-06f12a93c8ea/a84e7925-f0bd-4f8d-9d10-aad21c1c18d82f18904-b3af-4b25-aa9-9e7cde57d491/a84e7925-f0bd-4f8d-9d10-aad21c1c18d	
FLEXIBLE_RECORD:	Packaging	
First modification date:	2021-01-12T14:34:08Z	Last modification date: 2021-01-12T14:34:08Z
UUID:	1f3af565-1d77-472d-946a-4d9ea6ccec75/a84e7925-f0bd-4f8d-9d10-aad21c1c18d	
Links	<ul style="list-style-type: none">82f18904-b3af-4b25-aa9-9e7cde57d491/a84e7925-f0bd-4f8d-9d10-aad21c1c18d	
MIXTURE:	Gravure Ink CL-2101 (new build of PCNP03)	
First modification date:	2021-01-12T14:34:07Z	Last modification date: 2021-01-12T14:34:07Z
UUID:	82f18904-b3af-4b25-aa9-9e7cde57d491/a84e7925-f0bd-4f8d-9d10-aad21c1c18d	
Links	<ul style="list-style-type: none">ECHA-57c723a3-bc18-476d-900f-06f12a93c8ea/a84e7925-f0bd-4f8d-9d10-aad21c1c18dECHA-57c723a3-bc18-476d-900f-06f12a93c8ea/a84e7925-f0bd-4f8d-9d10-aad21c1c18dECHA-57c723a3-bc18-476d-900f-06f12a93c8ea/a84e7925-f0bd-4f8d-9d10-aad21c1c18d	

Useful services in the ECHA IUCLID Cloud

Generate report

- Creates an HTML* view of the information compiled in the PCN dossier
 - Useful for sign-off of key user on data before submission
 - Useful record of the PCN dossier in readable format

1. PCN Preview Report

1.1. Dossier information

 Dossier name: Gravure Ink CL-2101 (new build of PCNP03) / PCNP12	
Dossier UUID	82f18904-b3af-4b25-aaf9-9e7cde57d491/a84e7925-f0bd-4f8d-9d10-aad21ce1c18d
PCN number in dossier header	9be413de-9b5c-4e3a-a807-d04fe07d41ee
Country (market placement)	France [FR]
Language	French [fr]
Type of submission	Initial notification
Reason for updating	

1.2. Submitter information

 Submitting legal entity	
Legal Entity name: CHEMICAL SAFETY CONSULTING	Address 1: Wasserturmstr. 21
Legal Entity type: consultant	Address 2:
Phone: 15127904464	Postal code: 09599
E-mail: christinel@chemicalsafetyconsulting.com	Town: Freiberg
	Country: Germany [DE]

1.3. Mixture information

Mixture name: Gravure Ink CL-2101 (new build of PCNP03)

**PDF report generator support discontinued May 2021*

Questions

Christine Lepisto
UL.com

Break



Substance volume tracking and global trade transaction monitor

Sam Silva and Jason Shatney

November 2021 | WERCS Studio Virtual User Group

Substance volume tracking (SVT)

Marking transaction data for substance (CAS) level reporting

SVT module elements

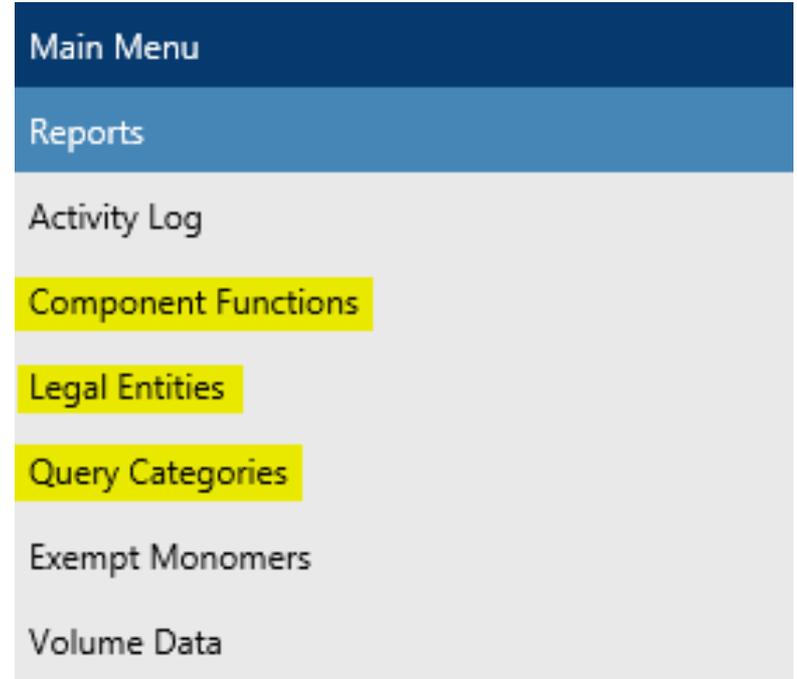
1. Navigational menu
2. Saved queries (reports)
3. Report options
4. Run button

The screenshot displays the 'Run Query' interface. On the left is a 'Main Menu' (1) with items like Reports, Activity Log, and CSCL Report Options. The main area shows a table of reports (2) with columns for Name, Category, Description, Function, Legal Entities, Email, Date, and User. Below the table are options for 'Current year' (2019), 'Send to job queue', and 'Send results to' (3). There is also a 'Select Format / SubFormat' dropdown (MTR / JEF2) and a 'File Name' field. A 'Save As' button is at the bottom left, and a 'Run' button (4) is at the bottom right. The page shows 'Page 1 Of 1' and 'View 1 - 3 of 3'.

Name	Category	Description	Function	Legal Entities	Email	Date	User
QuantityDate	SVT Function	quantity and date calculation	RCTAG	SVT_TEST5,SVT_TEST1,SVT_TEST	amanda.coutant@ul.com	02-05-201	AMANDA
Quantity - Purchased	SVT Function	Purchased Quantity Report	RCTAG	SVT_TEST5,SVT_TEST1,SVT_TEST	amanda.coutant@ul.com	07-07-201	AMANDA
Quantity/Manufact	SVT Function	Manufact/ Quantity Test	RCTAG	SVT_TEST5,SVT_TEST1,SVT_TEST	amanda.coutant@ul.com	07-08-201	AMANDA

SVT concepts

- Query categories
 - Structure to hold collection of Component Functions (similar to datacode/textcodes)
- Component functions
 - “Textcode” that can be tagged with transaction attribute (manufactured, purchased or sold)
- Legal entities
 - ERP data to filter for report



Main Menu
Reports
Activity Log
Component Functions
Legal Entities
Query Categories
Exempt Monomers
Volume Data

SVT – query categories

Query categories classify reports and control their associated component functions.

Query Categories				
Name	Description	Function subsection	Date	User
REACH	SVT Query Category for REACH	RCTAG	Aug-15-2018	SAMUELS
DSL	SVT Query Category for DSL	DSLTAG	Aug-27-2018	SAMUELS

SVT – component functions

SVT requires you to assign a function to each component in your formulas, which is used to determine whether the component (as it is used in the product) needs to be counted toward the total component volume for the current report.

Component Functions

Function	Category	Textcode	Polymer	Purchased	Manufactured	Sold	Date	User
Manufactured Raw Material	REACH	RCTAG001	false	false	true	false	Aug-15-2018	SAMUELS
Manufactured Substance	REACH	RCTAG002	false	false	true	false	Aug-15-2018	SAMUELS
Manufactured Polymer	REACH	RCTAG003	true	false	true	false	Aug-15-2018	SAMUELS
Purchased Raw Material	REACH	RCTAG004	false	true	false	false	Aug-15-2018	SAMUELS
Purchased Substance	REACH	RCTAG005	false	true	false	false	Aug-15-2018	SAMUELS
Purchased Polymer	REACH	RCTAG006	true	true	false	false	Aug-15-2018	SAMUELS
Sold Raw Material	REACH	RCTAG007	false	false	false	true	Aug-15-2018	SAMUELS
Sold Substance	REACH	RCTAG008	false	false	false	true	Aug-15-2018	SAMUELS
Sold Polymer	REACH	RCTAG009	true	false	false	true	Aug-15-2018	SAMUELS
Impurity	REACH	RCTAG010	false	false	false	false	Aug-15-2018	SAMUELS
Preservative	REACH	RCTAG011	false	false	false	false	Aug-15-2018	SAMUELS
Natural Substance	REACH	RCTAG012	false	false	false	false	Aug-15-2018	SAMUELS
Exempt	REACH	RCTAG013	false	false	false	false	Aug-15-2018	SAMUELS
Manufactured DSL Component	DSL	DSLTAG01	false	false	true	false	Oct-18-2018	SAMUELS
Purchased (Imported) DSL Component	DSL	DSLTAG02	false	true	false	false	Oct-18-2018	SAMUELS

SVT – component functions (continued)

The ability to assign an attribute to a component function (text code) is key functionality provided by SVT.

The screenshot shows a web-based dialog titled "Component Functions -- Webpage Dialog". The form contains the following fields and options:

- ID:** 1
- Category:** REACH
- Text Code:** RCTAG001
- Name:** Manufactured Raw Material
- Attributes:**
 - Purchased
 - Manufactured** (highlighted with a red arrow)
 - Sold
- Description:** (empty text area)
- Polymer

At the bottom of the dialog, there is a date stamp: "Date stamp Aug-15-2018 11:02:55 AM User updated SAMUELS" and a "Save" button.

SVT – legal entities

SVT requires at least one legal entity to be set up before you are able to run a report.

Legal Entities	
ERPCode	Name
2	EU HEADQUARTERS LEO (LEGAL ENTITY OBJECT)
1	Specialties - US OR (Only Representative)
3	Specialties - EU OR

SVT – reports

SVT requires at least one legal entity to be set up before you are able to run a report.

Name: REACH
Description: Basic Outputs for REACH Report (reviewed Jul 31 2020)

Category: REACH

Ignore purchases from the following countries

- Afghanistan
- Åland Islands
- Albania
- Algeria

Select All EU countries
 Select All

Include only sales to the following countries

- Afghanistan
- Åland Islands
- Albania
- Algeria

Select All

Legal Entities to include in results

- EU HEADQUARTERS LEO (LEGAL ENTITY OBJECT)
- Specialities - US OR (Only Representative)
- Specialities - EU OR

Select All

Valid columns

Name	Type	Purch	Manu	Sold	Date	User
CAS	CAS Number	false	false	false	Jul-31-2020	SAMUELS
Component ID	Component ID	false	false	false	Jul-31-2020	SAMUELS
Chemical Name	Chemical Name	false	false	false	Jul-31-2020	SAMUELS
Legal Entity	LegalEntityName	false	false	false	Jul-31-2020	SAMUELS
EC (Enzyme Commis	Data Code	false	false	false	Jul-31-2020	SAMUELS
Reach Registration N	Data Code	false	false	false	Jul-31-2020	SAMUELS
Quantity Sold Curre	Quantity/Date	false	false	true	Jul-31-2020	SAMUELS
Quantity Manufactur	Quantity/Date	false	true	false	Jul-31-2020	SAMUELS
Quantity Purchased	Quantity/Date	true	false	false	Jul-31-2020	SAMUELS
Total Qty - Purchase	Quantity/Date	true	true	false	Jul-31-2020	SAMUELS

Group ID field should be filled with data!

- Aggregate by Legal Entity (creates special report)
- Auto create transaction type columns?
- Auto create three-year average columns?
- Segregate rows by ComponentID?

Email the query results to samuel.n.silva@ul.com;user@company.com **Save**

SVT – source data

The I_SUBSTANCE_VOLUMES table

RECORD KEY	PRODUCT	ALIAS	QUANTITY	UOM	SHIPPED FROM ID	SHIPPED FROM STATE	SHIPPED FROM COUNTRY	TRANSACTION DATE	SHIPPED TO ID	SHIPPED TO STATE	SHIPPED TO COUNTRY
2	SAMTEST	SAMTEST	6270	KG			USA	Jan-01-2019 12:00:00 AM			FRA

Product Formulation -- Webpage Dialog

Product Formulation

SAMTEST ... Sam Test Product (from DEMO-FULL) Import

MTR / DATA ... Authorize No, never was
Revision None

SubFormats to print Models Archive Create component

Product Formulation - SAMTEST

Search components Wrap text View 1 - 3 of 3

	CAS Number	Component ID	Chemical Name	Hazardous?	Value	Unit	Percent Range
	7732-18-5	RM315494	Water	No	61.88		
	1234-56-7	DEMOfULL	Unobtanium	No	36.51		
	50-00-0	RM1002048	Formaldehyde	No	1.61		

SVT – source data (continued)

The T_SVT_VOLUMES table contains the exploded product/component data that was processed by the SVT Interface.

F_RECORD_ID	F_EXTERNAL_ID	F_ALIAS	F_LEGAL_ENTITY_ID	F_PRODUCT	F_CAS_NUMBER	F_COMPONENT_ID	F_POLYMER_ID	F_QUANTITY	F_UOM	F_TRANS_TYPE	F_TRANS_DATE
5		SAMTEST	2	SAMTEST	1234-56-7	DEMOFULL		2289.0000000000	KG	3	Jan-01-2019 12:00:00 AM
6		SAMTEST	2	SAMTEST	50-00-0	RM1002048		101.0000000000	KG	3	Jan-01-2019 12:00:00 AM
7		SAMTEST	2	SAMTEST	7732-18-5	RM315494		3880.0000000000	KG	3	Jan-01-2019 12:00:00 AM

Global trade transaction monitor (GTTM)

Evaluating transactions against a specified set of global regulations

How Does GTTM Work?

GTTM uses the WERCS Studio Regulatory Tracking Module to create or select global regulations which will be monitored.

GTTM checks the regulations you have selected at the transaction level from your ERP System against the data from your SVT interface.

GTTM can then determine to pass/fail/notify the transaction.



GTTM regulation types

Type C regulation

Component prohibited list	C
---------------------------	---

For each component in the formulation of the product in the transaction, GTTM can determine if the components can be shipped to a specified customer, state or country.

GTTM – regulations

Type C regulation setup example

Regulatory Tracking

Regulations Manager

Regulations Manager | Regulation Bypasses | Regulations for products/components | Regulation Matrix

Components attached to regulation GTTMC -- Webpage Dialog

Find regulation | Products | Compliance | Components

Compliance | Skip list | Upload 2 Items

Components in regulation GTTMC ()

CAS Number	Component ID	Chemical Name	Attached by
50-00-0	RM1002048	Formaldehyde	SAMUELS
7732-18-5	RM315494	Water	SAMUELS

Regulations in category GT (GTTM+Testing+Group)

Code	Description	Type
GTTMC	Type C Example	C
GTTMD	Type D Example	D
GTTMF	Type F Example	F

Regulation GTTMC component 50-00-0 compliance -- Webpage Dialog

1 Items

Component RM1002048 (Reg GTTMC)

Type	Data	NumData	Ship Code	Prohibited	DateStamp
CTRY	Belgium	0	SHIPI	False	Oct-07-2021 1:43:57 PM

GTTM – regulations

Type C regulation results example

Substance Volume Tracking

Main Menu

- Reports
- Activity Log
- Component Functions
- Legal Entities
- Query Categories
- Exempt Monomers
- Volume Data
- CSCS**
- Administration
- Country Codes
- Use Codes
- Prefectures
- GTTM**
- Events
- Check Transaction

Check Transaction

Select product
SAMTEST ...
Sam Test Product (from DEMO-FULL)

Legal Entity
[]

Quantity
0

Shipped to State
[]

Shipped to Country
Austria []

Shipped to Customer
[]

Model
MASTER []
 Select All

Results
No restrictions for this transaction

Substance Volume Tracking

Main Menu

- Reports
- Activity Log
- Component Functions
- Legal Entities
- Query Categories
- Exempt Monomers
- Volume Data
- CSCS**
- Administration
- Country Codes
- Use Codes
- Prefectures
- GTTM**
- Events
- Check Transaction

Check Transaction

Select product
SAMTEST --
Sam Test Product (from DEMO-FULL)

Legal Entity
[]

Quantity
0

Shipped to State
[]

Shipped to Country
Belgium []

Shipped to Customer
[]

Model
MASTER []
 Select All

Results

Transaction messages: 1
Most serious result: Warning
=====

SAMTEST -- Sam Test Product (from DEMO-FULL) is subject to a WARNING by the regulation GTTMC -- Type C Example.

Ship To Customer Id:
Ship To State:
Ship To Country: BEL
Date: Oct-08-2021 5:58:00 PM
Responsible:

For the Regulation GTTMC -- Type C Example the Component 1234-56-7 / DEMOFULL in model(s) [MASTER] is not on the allowed list for the Country (BEL).

=====

GTTM regulation types

Type D regulation

Country, state or customer prohibited list (embargos)

D

Cannot do business with – prohibited list (embargo)

Customer, state or country specified in the transaction, regardless of product or component involved, if the transaction data matches attached data, the result is prohibited. You can also set these requirements as an allowed list.

Product prohibited list

D

If the product is attached to the regulation, it is prohibited. This regulation can also be set to follow the customer, state or country specified in the transaction.

GTMM – regulations

Country embargo

GTMM Compliance -- Webpage Dialog

Type	Data	NumData	Ship code	Prohibited	Date stamp
					0 Items

Compliance - New -- Webpage Dialog

Compliance Type: CTRY - Country

Compliance Data: Libya

Components on list are:

Allowed

Prohibited

Numeric Data: 0.00

Special Instruction: SHIPI

Last Update: Oct-08-2021 2:52:24 PM

Save Cancel

Type D regulation setup example

Product restriction based on customer

Regulations in category GT (GTMM+Testing+Group)

Attach List GTMMD -- Webpage Dialog

Product	Product Name	TX	Attached by	Comply Type	Override
SAMTEST	Sam Test Product (from DEMO-FULL)	3	JASONS	2	0

Regulation GTMMD product SAMTEST compliances -- Webpage Dialog

Type	Data	NumData	Ship code	Prohibited	Date stamp
					0 Items

Compliance - New -- Webpage Dialog

Compliance Type: CUST - Customer

Compliance Data: 12345 - Test Cust

Components on attached list are:

allowed

prohibited

Numeric Data: 0.00

Special Instruction: SHIPI

Save Cancel

GTTM – regulations

Type D regulation results example

Check Transaction

Select product
SAMTEST

Sam Test Product (from DEMO-FULL)

Legal Entity
[Dropdown]

Quantity
0

Shipped to State
[Dropdown]

Shipped to Country
Libya

Shipped to Customer
[Dropdown]

Model
MASTER

Select All

Check Reset

Results

Transaction messages: 1
Most serious result: Stop

=====

SAMTEST -- Sam Test Product (from DEMO-FULL) is being STOPPED by the regulation GTTMD -- Type D Example

Ship To Customer Id:
Ship To State:
Ship To Country: LBY
Date: Oct-08-2021 6:54:32 PM
Responsible:

For the Regulation GTTMD -- Type D Example the Country (LBY) is on the embargo list. Special Instructions: Sam and Jason

=====

Check Transaction

Select product
SAMTEST

Sam Test Product (from DEMO-FULL)

Legal Entity
[Dropdown]

Quantity
0

Shipped to State
[Dropdown]

Shipped to Country
Portugal

Shipped to Customer
Test Customer 1

Model
MASTER

Select All

Check Reset

Results

Transaction messages: 1
Most serious result: Stop

=====

SAMTEST -- Sam Test Product (from DEMO-FULL) is being STOPPED by the regulation GTTMD -- Type D Example

Ship To Customer Id: 12345
Ship To State:
Ship To Country: PRT
Date: Oct-08-2021 6:59:14 PM
Responsible:

For the Regulation GTTMD -- Type D Example the Customer (12345) the product is on the restricted list. Special Instructions: Sam and Jason

=====

GTTM regulation types

Type F regulation

Product quantity prohibited	F
Component quantity prohibited	F

Product and component quantities

For the product or all components specified in the transaction to be monitored with a compliance type of minimum per transaction, maximum per transaction, maximum per year and/or trigger thresholds.

GTTM will compare the transaction quantity against the compliance types and volume data. If the transaction quantity is higher than the compliance quantity, the transaction is prohibited. If the transaction quantity is higher than the trigger threshold, a notification can be sent.

GTTM – regulations

Type F regulation setup example

GTTMF Compliance -- Webpage Dialog

Type	Data	NumData	Ship code	Prohibited	Date stamp
0 Items					

Compliance - New -- Webpage Dialog

Compliance Type: CTRY - Country

Compliance Data: Canada

Components on list are:
 Allowed
 Prohibited

Numeric Data: 0.00

Special Instruction: SHIPI

Last Update: Oct-08-2021 3:16:08 PM

Save Cancel

Components attached to regulation GTTMF -- Webpage Dialog

Compliance Skip list Upload

Components in regulation GTTMF ()

CAS Number	Component ID	Chemical Name
1234-56-7	DEMOFULL	Unobtanium

Regulation GTTMF component 1234-56-7 compliance -- Webpage Dialog

Component DEMOFULL (Reg GTTMF)

Type	Data	NumData	Ship Code
MAXY		1000	SHIPI
TRGR		80	SHIPI

Questions

Sam Silva and Jason Shatney
UL.com



Leveraging the power of designer and viewer tabs in Report Writer

Britt Smith

November 2021 | WERCS Studio Virtual User Group

Data equity

We have a whole database full of useful stuff!

Data equity

One of the biggest benefits of WERCS Studio is the ability to collect virtually any kind of data for a product or component — and easily retrieve that data at any time. This generates considerable and valuable **data equity** that customers can use to help verify regulatory compliance and augment product stewardship activities.

But how do we access this value easily and efficiently?

Report Writer: designer and viewer tabs

A brief introduction

Viewer tab

Allows users to choose saved reports from a convenient drop-down.

Allows users the possibility to toggle on the desired criteria dependent upon the need at hand.

Accepts run-time parameters, meaning the same report body can be used to support variable search requirements.

The screenshot displays the 'Viewer tab' interface. At the top, there is a 'Saved reports' section with a dropdown menu currently showing 'Expired Documents'. To the right of the dropdown are two buttons: 'Run report' and 'Export to Excel'. Below this is the 'Report Parameters' section, which includes a legend: '* denotes key item'. The parameters are as follows: 'Toggle All' (checkbox), 'PRODUCT:' (checkbox) with a value of 'CHT-BOM' in a text box and a blue toggle switch, and a list of items 'CHT', 'DEMO', and 'BOM'. The 'FORMAT:' (checkbox) parameter has a value of 'MTR' in a text box and a blue toggle switch. The 'MSDSTYPE:' (checkbox) parameter has a value of 'ADC' in a text box and a blue toggle switch. The 'MONTHSBACK: *' (checkbox) parameter has an empty text box. At the bottom, it shows 'Runtime: 0 Seconds'.

Designer tab

A sophisticated tool for crafting powerful custom reports.

UL's experts are happy to help create reports for your teams upon request.

Existing Reports: New Report Save report Delete report

Report Name:

Restricted Report

Report completed. If checked, it can only be modified by admin

Report for use on WercsKPI

SQL String

```
select distinct F_PRODUCT, F_FORMAT, F_SUBFORMAT from T_PDF_MSDS
WHERE F_AUTHORIZED <> 0
and (@@PRODUCT@@ is NULL OR F_PRODUCT like @@PRODUCT@@)
and (@@FORMAT@@ is NULL OR F_FORMAT like @@FORMAT@@)
and (@@MSDSTYPE@@ is NULL OR F_SUBFORMAT like @@MSDSTYPE@@)
and F_PUBLISHED_DATE > dateadd(month, -1*@@MONTHSBACK@@, getdate())
UNION
select distinct F_PRODUCT, F_FORMAT, F_SUBFORMAT from T_RTF_MSDS
WHERE F_AUTHORIZED <> 0
```

Query Parameters List

	Parameter Name	Multiple Selection	Key Field	Type
Remove	<input type="text" value="PRODUCT"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Product"/>
Remove	<input type="text" value="FORMAT"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Format"/>
Remove	<input type="text" value="MSDSTYPE"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Subformat"/>
Remove	<input type="text" value="MONTHSBACK"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="IntervalYM"/>

Column List

	Column Heading
Remove	<input type="text" value="Product"/>
Remove	<input type="text" value="Format"/>
Remove	<input type="text" value="SubFormat"/>

Let's not forget scheduled reports!

A quick aside: Customers can also set up static reports to run on a scheduled basis at specified intervals.

Users can easily and conveniently mail reports out to designated recipients.

The screenshot displays a web-based configuration form for a report. It is organized into several sections:

- Report Name:** A text input field containing "1 - Substances of Very High Concern".
- SQL:** A text area containing the following query:

```
SELECT c.F_Cas_Number, c.F_Component_Id,
c.F_USER_UPDATED FROM T_COMP_DATA c
WHERE F_DATA_CODE = 'SVHCC'
```
- Options:** A section with three checkboxes: "HTML", "XML", and "CSV", all of which are currently unchecked.
- Email Address:** An empty text input field.
- Schedule Options:** A section with six radio buttons: "Run once" (which is selected), "Run once at certain time", "Run daily", "Run weekly", "Run monthly", and "Run on interval".

Some potential use cases

(But the sky is the limit!)

Some potential use cases

A few easy ones to start...

Which products contain an ingredient on your user-defined blacklist?

Saved reports
Products Containing a Substance on a Regulation or List of Interest Run report Export to Excel

Report Parameters
* denotes key item
 Toggle All
 RegulationOrList: *

Runtime: 3.11 Seconds

Products Containing a Substance on a Regulation or List of Interest
2021-10-01 04:25
Report Parameters: RegulationOrList: CB

Regulation	Product ID	CAS Number	Component ID	Chemical Name	Percent
CB	AR-00001	50-00-0	A-0022	Formaldehyde	100
CB	AR-00001B	50-00-0	A-0022	Formaldehyde	100
CB	AR-BOM-1	3734-33-6	A-0004	Bitrex Anhydrous	1.25
CB	AR-BOM-1	18496-40-7	A-0003	Platinum Dinitrate	5
CB	AR-BOM-1	12035-82-4	A-0001	Platinum Oxide	6.25
CB	AR-BOM-1	50-00-0	A-0022	Formaldehyde	75
CB	BCS-00001B	50-00-0	A-0022	Formaldehyde	100
CB	BCS-BOM-1	3734-33-6	A-0004	Bitrex Anhydrous	5
CB	BCS-BOM-1	18496-40-7	A-0003	Platinum Dinitrate	20
CB	BCS-BOM-1	12035-82-4	A-0001	Platinum Oxide	25
CB	BCS-ESTEST	50-00-0	A-0022	Formaldehyde	100
CB	BCS-MIX01	3734-33-6	A-0004	Bitrex Anhydrous	10
CB	BCS-	18496-	A-0003	Platinum	40

Some potential use cases

Which documents are "expired" (allowing the user to set the expiry limits)?

The screenshot displays a software interface for generating reports. On the left, the 'Report Parameters' section includes a 'Toggle All' checkbox, a 'PRODUCT:' section with a dropdown menu showing 'CHT-BOM' (with sub-items 'CHT', 'DEMO', 'BOM'), a 'FORMAT:' section with a dropdown menu showing 'MTR', and an 'MSDSTYPE:' section with a dropdown menu showing 'ADC'. The 'MONTHSBACK: *' checkbox is checked, and its value is set to '36'. The 'Runtime: 0.75 Seconds' is displayed at the bottom of the parameters section. On the right, the report output shows 'Expired Documents' for '2021-10-01 04:26' with 'Report Parameters: MONTHSBACK: 36'. Below this is a table with three columns: 'Product', 'Format', and 'SubFormat'.

Product	Format	SubFormat
706161	MTR	DPI
AR-00001B	MTR	CGHS
AR-00001B	MTR	EGHS
BCS-00001B	MTR	EGHS
BCS-00001B	MTR	LB
BCS-0002B	MTR	LB
BCS-BOM-1	MTR	LB
BCS-ESTEST	MTR	EGHS
BCS-MIX1	MTR	EGHS

Some potential use cases

And then a few trickier ones:

What if you could run a report to help you with chemical controls?

- Find all products containing a particular CAS at a particular threshold with a particular recommended use.
- Find all products containing a particular ingredient or any ingredient attached to a particular regulation at a particular threshold with a particular recommended use.

Some potential use cases

What if you could run a report to help you manage template administration?

- Run a report to provide even more detailed information on extended usage than is currently available through PowerDesigner's Extended Use screen.
 - All codes for the template
 - Every ruleset impacted
 - Wizard input and output
 - Relationships of LOLI lists to data codes
 - Reserved status

If this sounds interesting, reach out to UL's
Customer Support team!

Questions

Britt Smith

Senior sales executive

UL.com



Ask The Experts – Chemical Control: Regulatory and Module Workshop

November 2021 | WERCS Studio Virtual User Group

Meet your panel of experts

Moderator:

- Stacie Abraham

Regulatory:

- Andrew Brooks
- John Kowalski
- Christine Lepisto
- Kevin Skerrett

Technical:

- Joe Pedinotti
- Jason Shatney
- Desiree Sparella

Enhancement suggestions

- Link will be placed in chat at the conclusion of today's session
- Collect enhancements until 4pm EST today
- Review the suggestions during our session on tomorrow
- Voting will start after the session tomorrow and be open through Friday at 8pm EST



* Required

1. Please enter your name *

2. Please enter your personal company email address *

3. Please enter your company name *

4. Please describe your enhancement suggestion. *

Submit

Never give out your password. [Report abuse](#)