WERCS Studio 2021 Virtual User Group

November 2021 | Day 3

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Agenda – Day 3

12:30 - 12:35	**Welcome**
12:35 - 1:05	**Hot Topics in Chemical Risk-based Regulations and Supply Chain Information Management**
1:05 - 1:35	**Powerful Toolset Configurations**
1:35 – 2:00	**Material Management Roll Ups: Customer discussion with Teknor Apex**
2:00 – 2:15	**Break**
2:15 – 3:00	**WERCS Studio LOLI Loader and Impact Analysis**
3:00 – 3:25	**WERCS Studio Enhancement Submissions Review and Voting**
3:25 – 3:30	**Closing Remarks**

*All times in EST

Hot topics in chemical risk-based regulations and supply chain information management

Stacie Abraham

November 2021 | WERCS Studio Virtual User Group

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Agenda

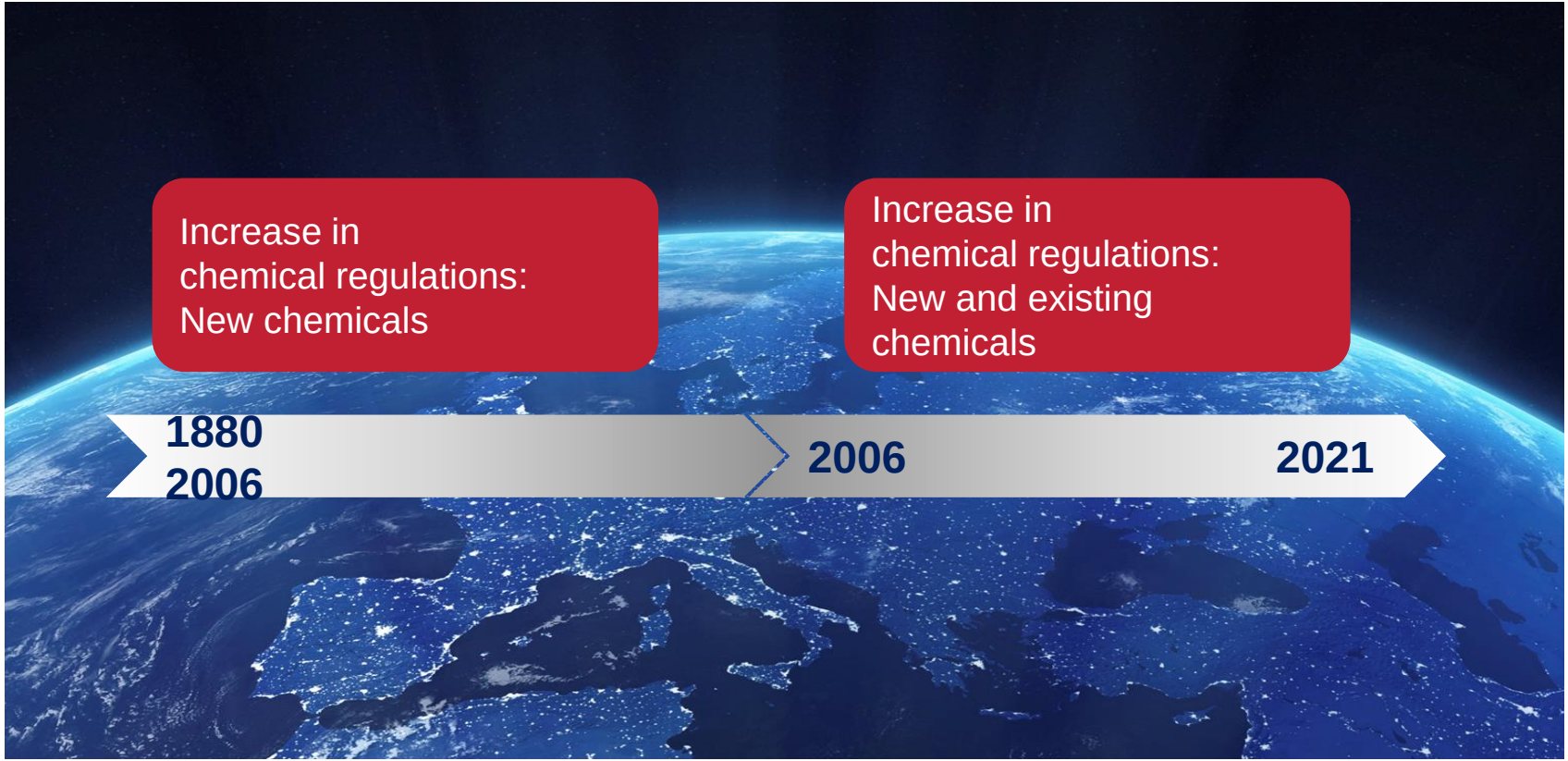
1 Chemical regulatory trends

2 Material compliance

3 Effects on business and supply chain

Chemical regulatory trends

Chemical regulatory trends

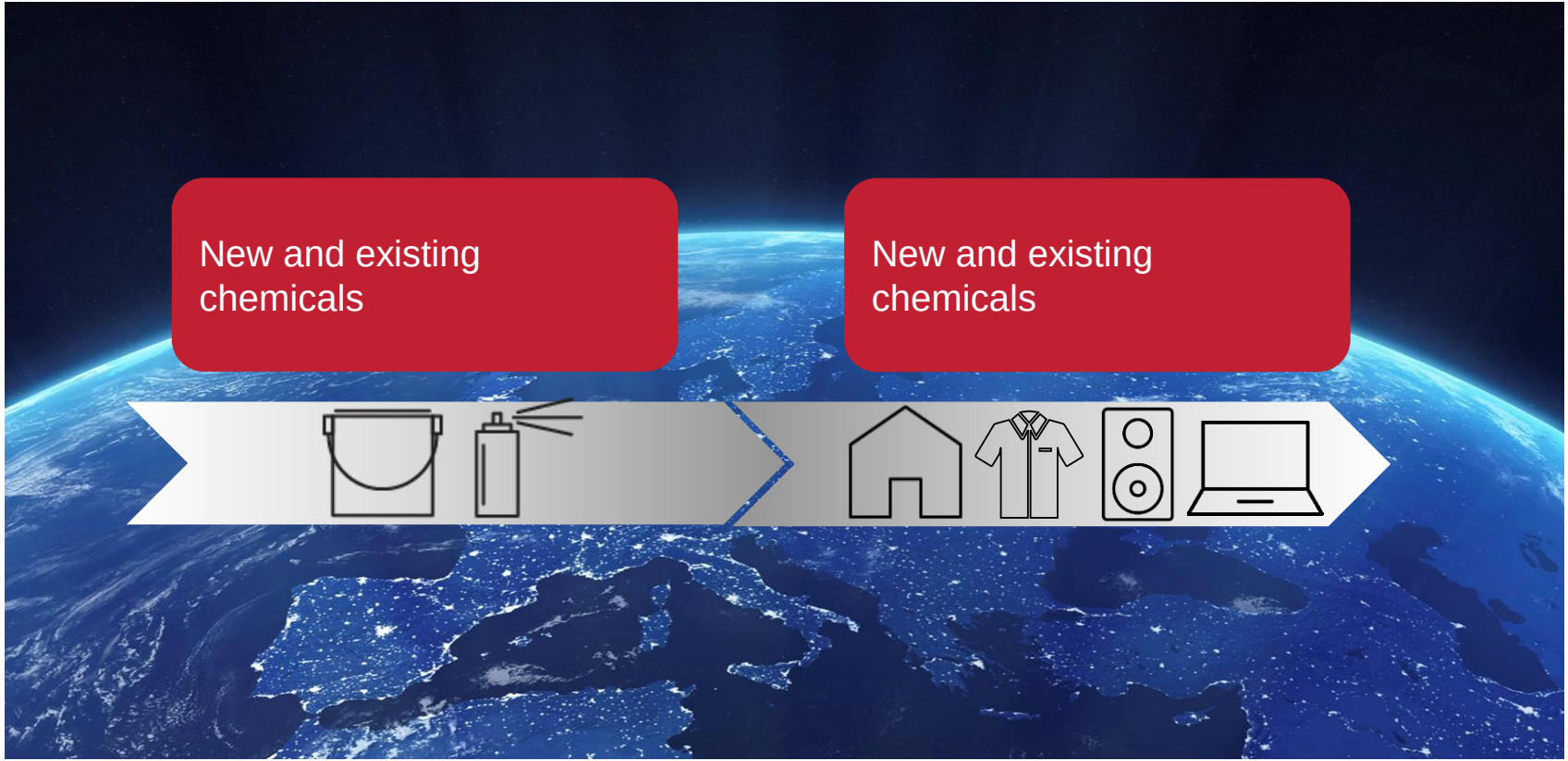


Chemical regulatory trends

Why the shift?

- Historically, many chemicals introduced into commerce without review
- Data then acquired revealing hazards, persistence, accumulation
- Many chemicals in significant quantities, wide distribution, dispersive use
- Need to categorize, prioritize, and evaluate
- Use is critical to determine exposure
- Where warranted, risk mitigation rules implemented

Chemical regulatory trends



Chemical regulatory trends

Why the shift?

- Fate of these article items at end of life
- Breakdown and exposure to environment of parent chemical or degradation products
- Migration from environment to humans and other living creatures – drinking water, food chain, air, etc.
- Damage to ecosystems
- Exposure during use
- Susceptible subpopulations

Chemical regulatory trends

Material compliance

Material compliance

- Concerns for chemical substances in products
- Human health, environment, sustainability/circularity
- What is driving this?
  - Regulatory – global, proactive/prevention
  - Waste framework directives
  - Sustainability
  - Retailer/industry
  - Consumer
- New chemicals
- Chemicals in commerce

Material compliance

N.A. regulation examples

U.S. Federal
- Toxic Substances Control Act (TSCA)

U.S. State
- California Prop 65
- Flame retardants
- Children's products

Chemical category examples

- Flame retardants
- Plasticizers
- Heavy metals
- PFAS
- PBTs
- CMRs
- Endocrine Disruptors

Product types

- RMs and mixtures
- Electronics
- Batteries
- Wire/cable
- Plastics
- Textiles
- Wearables, etc.

Use profile

- Consumers
- Children
- Building, lighting, furnishings, etc.
- Adhesives, lubricants
- Appliances
- etc.

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Material compliance

EU REACH Article 59, SVHC

Substances of Very High Concern Regulation (EC) No. 1907/2006 (REACH), Article 59

EU REACH Annex XIV

Substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

EU REACH Annex XVII

Substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

EU Directive on Batteries and Accumulators

EU Directive on Batteries and Accumulators 2006/66/EC

EU RoHS

EU Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Substances of concern in products – complexity

Complexities regarding restrictions and prohibitions:

- Vary by jurisdictions
- Vary by substances
- Sometimes apply to groups of substances
- Sometimes a maximum threshold applies – sometimes not
- Applicability varies based on use
- Exemptions vary based on use
- Requirements are inconsistent – restriction, prohibition, labeling/SDS, reporting, recordkeeping, conditions of use, etc.

U.S. Federal – Toxic Substances Control Act, PBTs

Differences, based primarily on use:

- Implementation dates
- Applicability of prohibitions
- Exemptions from prohibitions
- Sunset dates for exemptions

PIP (3:1)	
Exemption from prohibition	**Exemption expiration date**
Adhesives and sealants	Jan. 6, 2025 (phased in)
Photographic printing articles	Jan. 1, 2022 (phased in)
Hydraulic fluids, aviation industry or to meet military specifications	None where no alternative is available
Lubricants and greases, new and replacement parts for motor and aerospace vehicles, intermediate in closed system to produce cyanoacrylate adhesives, specialized engine air filters for locomotive and marine applications	None
Plastic recycling	None where no new PBT substance added during recycling process
September 17, 2021: EPA extended certain compliance dates to March 8, 2022 October 21, 2021: EPA proposed rule to extend certain compliance dates to Oct. 31, 2024	

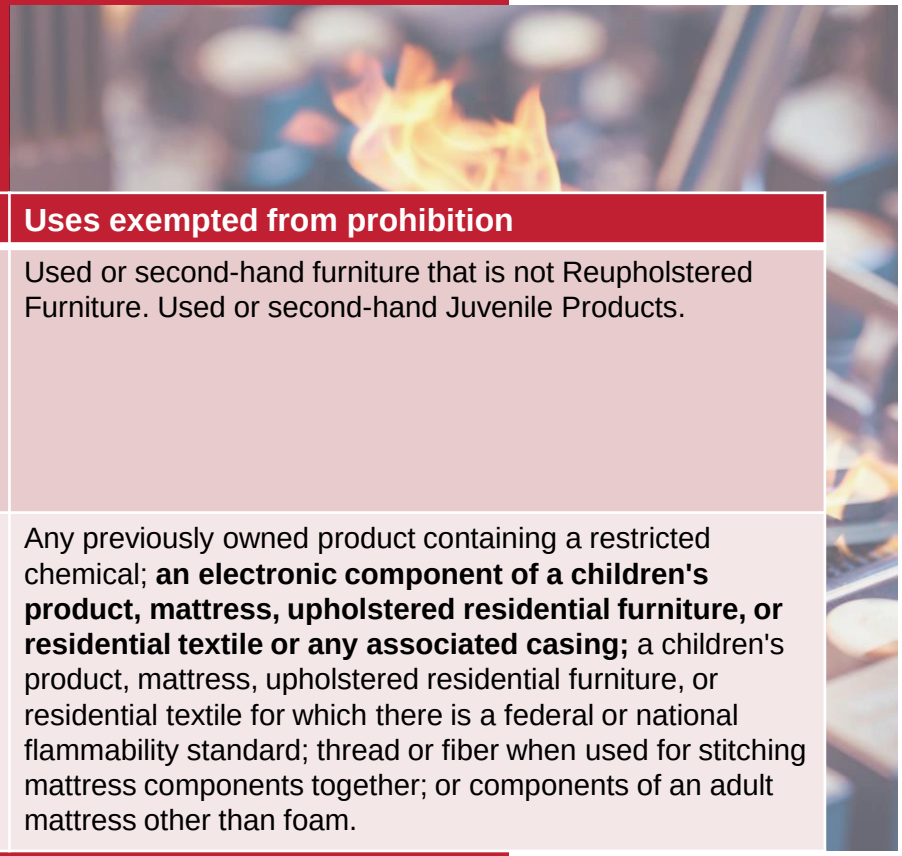
U.S. State – flame retardants

States/cities with current FR regulations:

- California/San Francisco
- District of Columbia
- Illinois
- Indiana
- Maine
- Maryland
- Massachusetts
- Minnesota
- New York
- Oregon
- Vermont
- Washington

U.S. State – flame retardants

Differences in substances, applicable prohibitions, exemptions



State/city	Prohibited uses	Uses exempted from prohibition
San Francisco, California	Upholstered Furniture, Reupholstered Furniture, or Juvenile Products **(including those products that contain electrical/electronic components),** and soft material used to reupholster furniture, any component of which has been made with or contains a **Flame Retardant Chemical** above 1,000ppm	Used or second-hand furniture that is not Reupholstered Furniture. Used or second-hand Juvenile Products.
Minnesota	A children's product, upholstered residential furniture, residential textile, or mattress containing, in amounts greater than 1,000 ppm in any product component, **any organohalogenated flame retardant chemical.**	Any previously owned product containing a restricted chemical; **an electronic component of a children's product, mattress, upholstered residential furniture, or residential textile or any associated casing;** a children's product, mattress, upholstered residential furniture, or residential textile for which there is a federal or national flammability standard; thread or fiber when used for stitching mattress components together; or components of an adult mattress other than foam.

European Union

Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

EU REACH
Article 59, SVHC

Substances of Very High Concern Regulation (EC) No. 1907/2006 (REACH), Article 59

Candidate List of Substances of Very High Concern (SVHC) for Authorisation

- "Candidates" to be included in Annex XIV of REACH (list of substances subject to Authorisation)
- Meet the criteria of Substances of Very High Concern (SVHCs) in Article 57
  - Classified as CMR category 1A or 1B, or
  - PBT or very persistent and very bioaccumulative (vPvB), or
  - Pose serious effects that cause an equivalent level of concern as with CMR or PBT/vPvB substances
- **>** 0.1% – SDS disclosure, SCiP notification: Substances of Concern in articles, as such, or in complex objects (Products)

European Union

Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

EU REACH Annex XIV

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EU REACH Annex XVII

Substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Annex XIV – Substances subject to authorisation

- Pursuant to evaluation of SVHC candidates
- Use prohibited unless prior authorisation
- Exemptions – but substance and use-specific

Annex XVII – Substances subject to restriction

- Restrictions on use
- Individual substance-specific conditions of restriction

European Union

EU Batteries Directive

EU Directive on Batteries and Accumulators

EU Directive on Batteries and Accumulators 2006/66/EC

Applies to:

- Mercury and mercury compounds
- Cadmium and cadmium compounds
- Lead and lead compounds

Variability:

- Threshold percentages differ
- Prohibitions and exemptions differ by use
- Labeling requirements differ

European Union

Restriction on Hazardous Substances

EU RoHS

EU Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Applies to:

- Lead
- Mercury
- Cadmium
- Hexavalent chromium (Cr6+)
- Polybrominated biphenyls (PBB)
- Polybrominated diphenyl ether (PBDE)
- Phthalates: DEHP, BBP, DBP and DIBP

- Maximum percentage in all = 0.1% except Cadmium = 0.01%
- Homogeneous materials

Global

RoHS

- China
- India
- Japan
- South Korea
- Turkey
- Vietnam
- United Arab Emirates

Others

Effects on business and supply chain

Affected industries

Consumer, professional and industrial
Residential, commercial

- Specialty and laboratory chemicals
- Personal care and cosmetics
- Paints and coatings
- Food and beverage
- Pesticide and biocide
- Electrical and electronic equipment
- Clothing, wearables
- Toys and children’s products
- Textiles
- Building materials

Impact to industry

Impacted actions
- Manufacture/import
- Distribution

Requirements
- Prohibitions, restrictions
- Recordkeeping and reporting
- Labeling and warning

Challenges
- Know what is in the supply chain – transparency
- Communicate to customers
- Protect CBI
- Know current, and monitor future regulations and trends
- Know applicability

Impact to supply chain

Supply chain

- Manufacture
- Sourcing
  - Feedstocks for chemical manufacture
  - Ingredients for formulating or production
- Identifying alternatives
  - Manufacture
  - Sourcing
- Evaluating alternatives
- Downstream distribution and sales
- End of life

Need for:

- Supply chain information management
- Chemical data management

Questions

Stacie Abraham
UL.com

Powerful toolset configurations: UL's Supply Chain Network / WERCS Studio toolset

Frank Schroeder

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Intelligent innovation

Innovate products, find material and components

Create safer chemicals and ingredients

Intelligent compliance

Understand regulatory requirements

Transport, handle, store, dispose products safely

Intelligent promotion

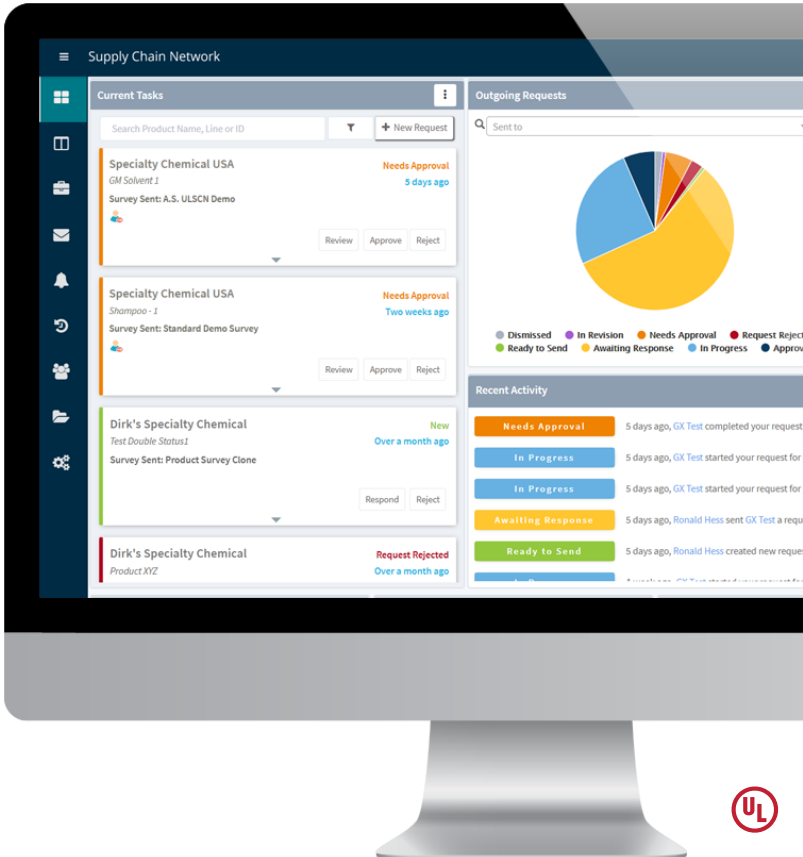
Benchmark and source products

Sell better, safer and healthier products

UL's Supply Chain Network

A comprehensive solution to collect, validate, derive, and share product data within your supply chain is needed.

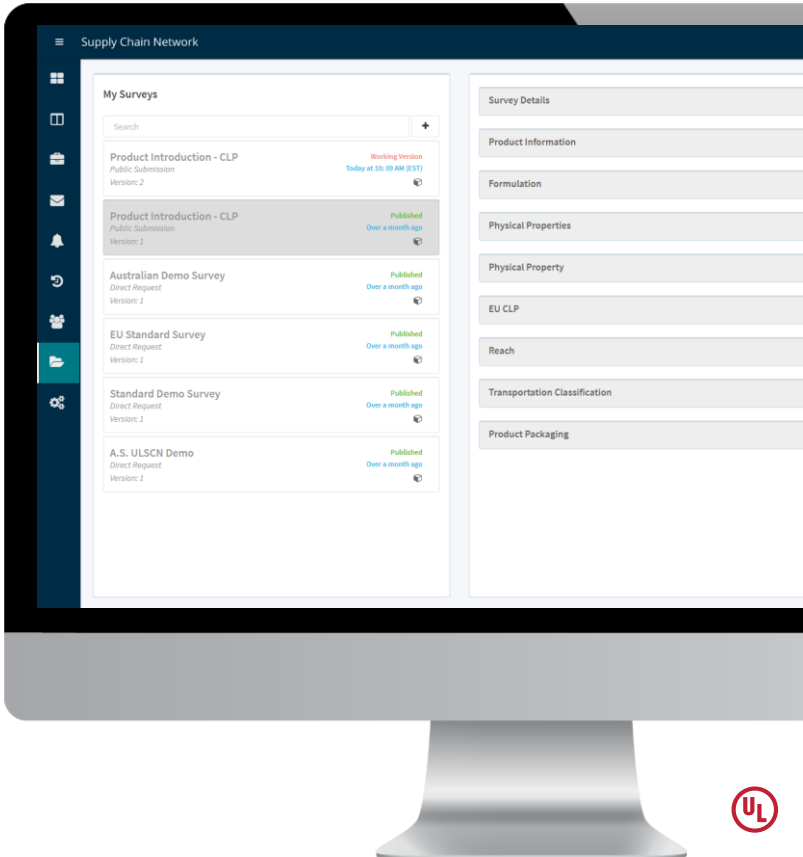
- Increased transparency
- Compliance assessments and outputs
- Compliance and sustainability reporting
- Data integrity and IP protection



Questionnaires

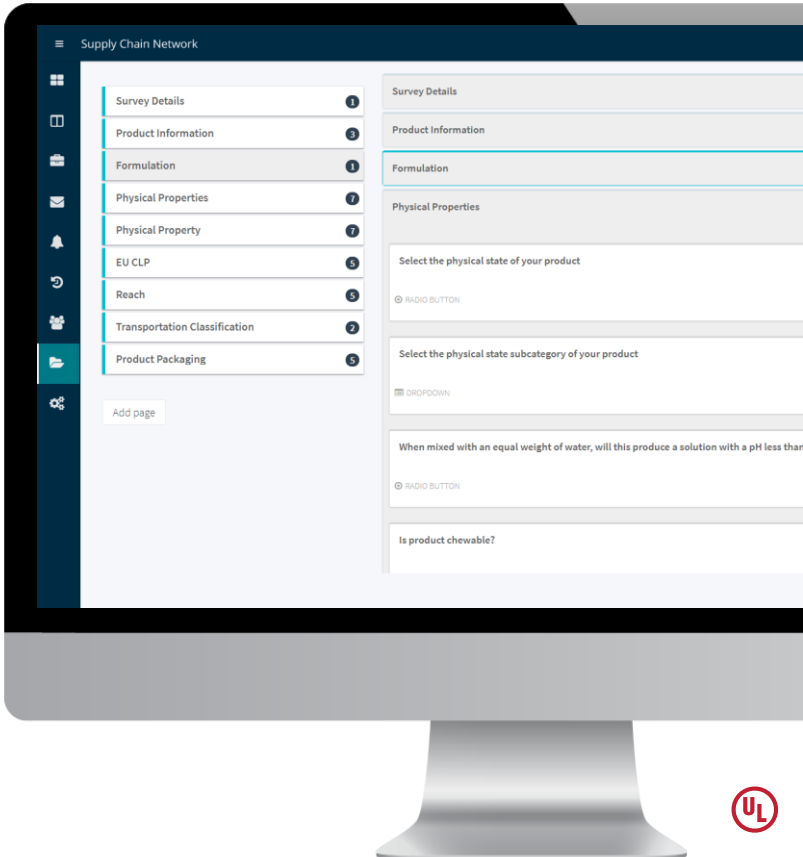
Build as many questionnaires as you want about companies, facilities, and raw materials.

- Manage market access information independently or together
- Regional vs. global compliance
- Manage compliance, quality, and sustainability together or independently



Questionnaires

Choose from a library of questions that are curated and managed by UL's content team.

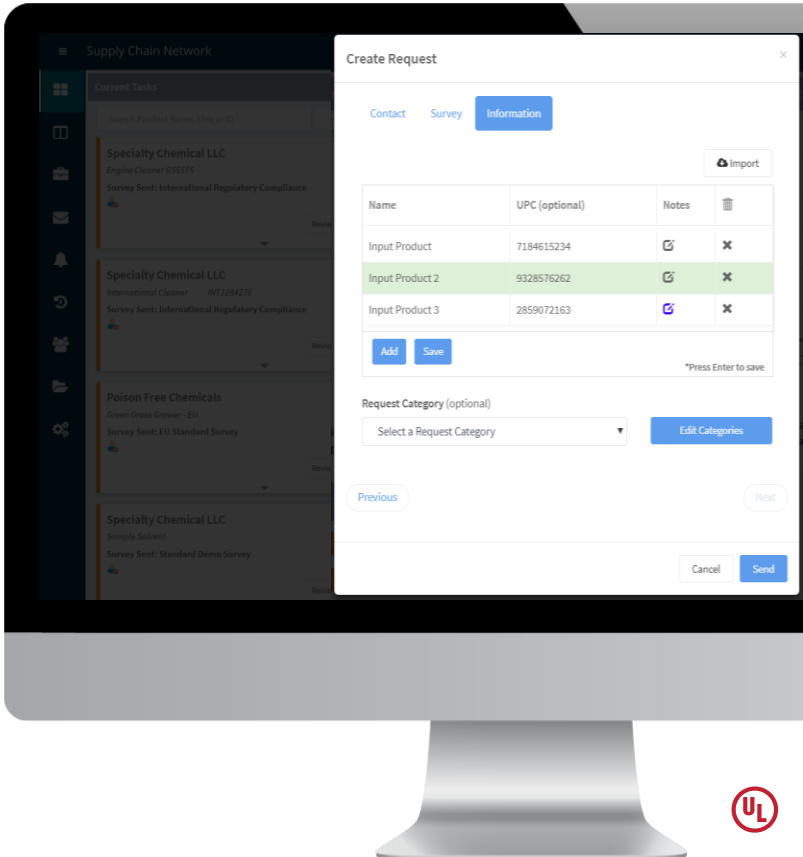


- Standardized questions that align with reserved datacodes
- Reduce burden on suppliers
- Ask all your questions in your questionnaire
- Add your own custom questions

Request information from your suppliers

Engage with suppliers with Supply Chain Network by requesting information about your sourced raw materials.

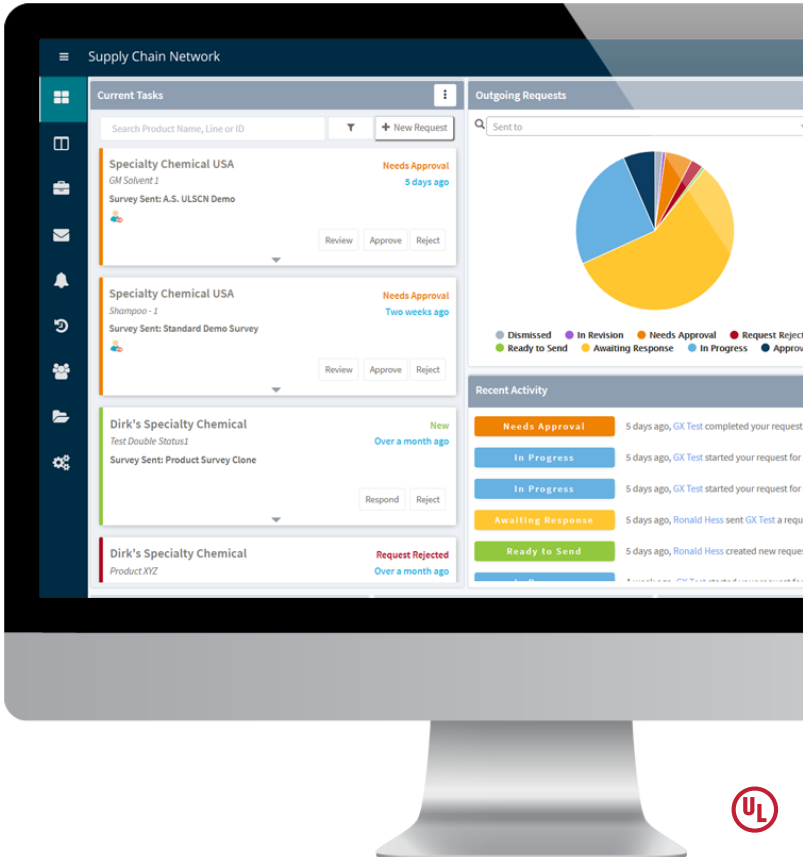
- Direct information from your suppliers
- Digital data equity for you and your suppliers
- Converse over questions and answers



Track the progress of suppliers

Become more operationally efficient with real time request status, follow up, and KPIs within Supply Chain Network.

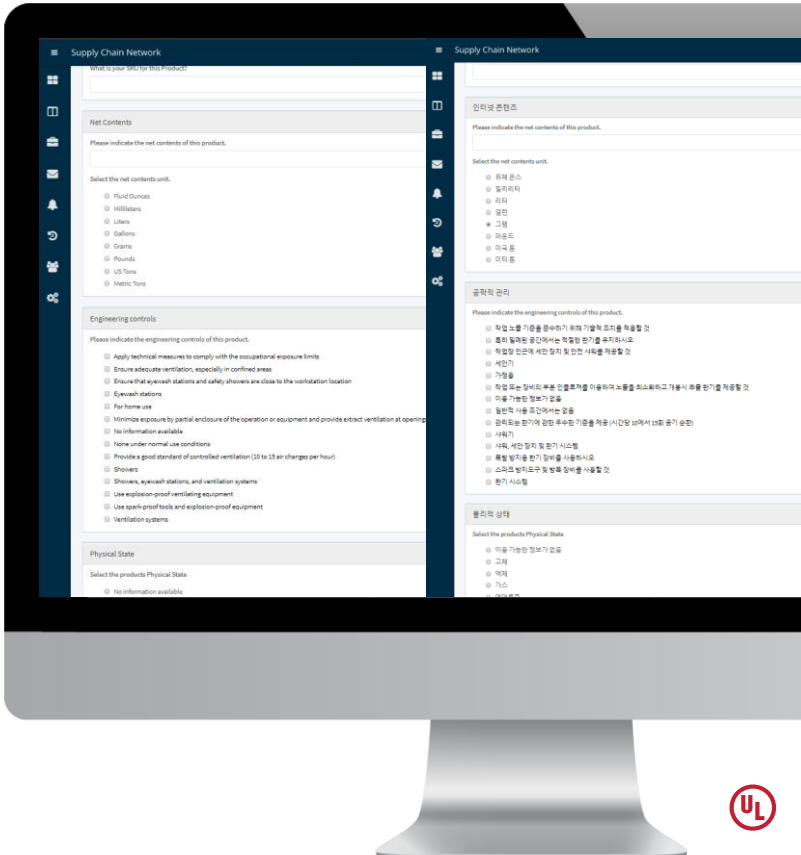
- Transparency on request status
- Digestible KPIs to inform business decision
- Continuous feedback on actions needed



Global compliance communication

Collaborate with suppliers across the globe. Supply Chain Network supports users by operating in their native language.

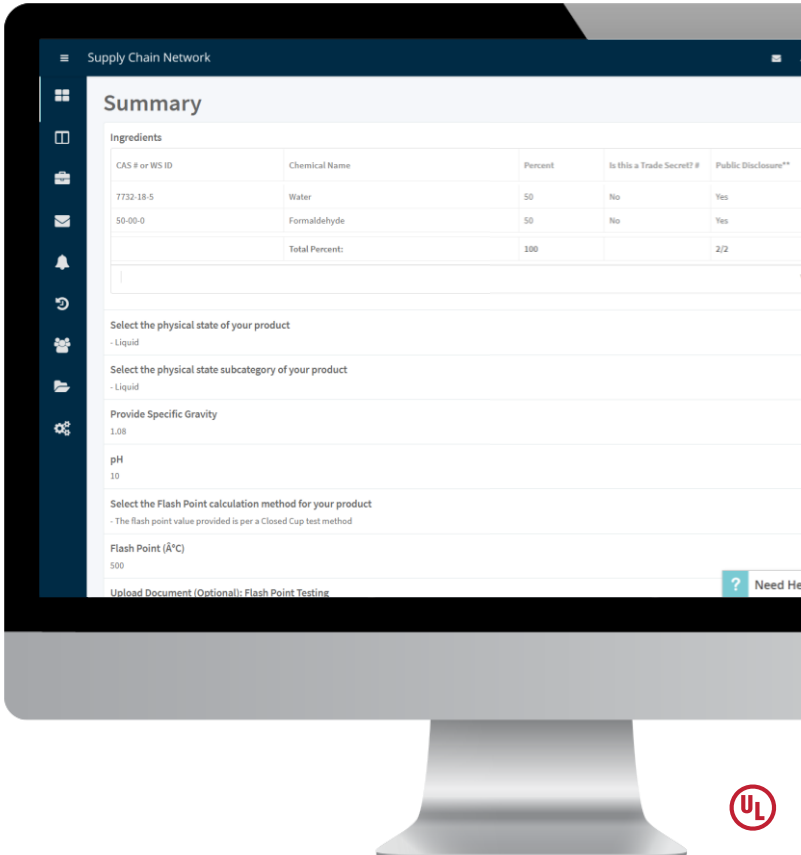
- Nine languages supported
- User interface and questions translated
- Continuously refined as part of content management



Compliance data collection

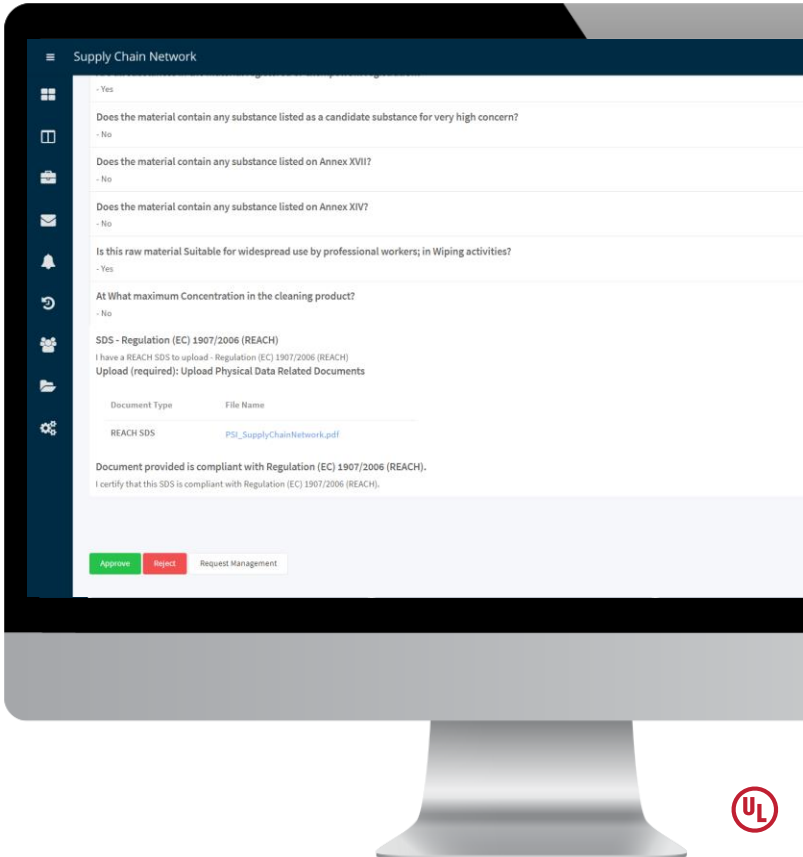
Source the information you need to verify compliance or collect declarations as needed.

- Questions used in WERCS Studio compliance logic
- Collect formulations from suppliers
- Use data to streamline material selection



Approve when ready

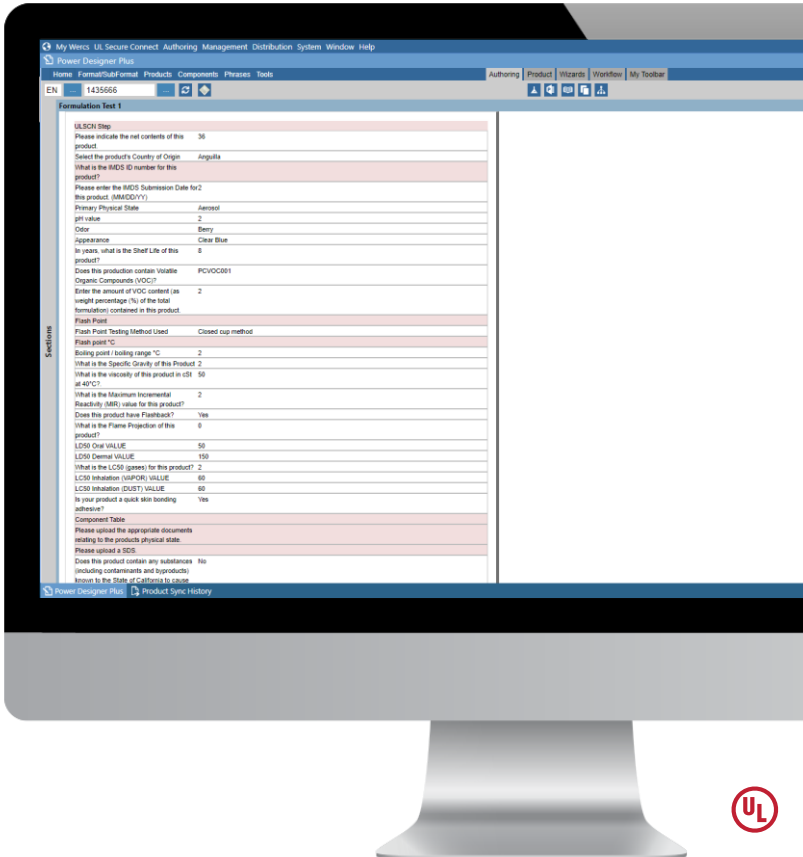
Preview responses and give your approval if all your preliminary findings are met.



- Facilitate approvals or rejections
- Help ensure you are getting the information you need before material introduction
- Configurable workflow

Sync raw material information to your Studio

Link a response to a WERCS Studio product and supplement your existing information with the latest and greatest.

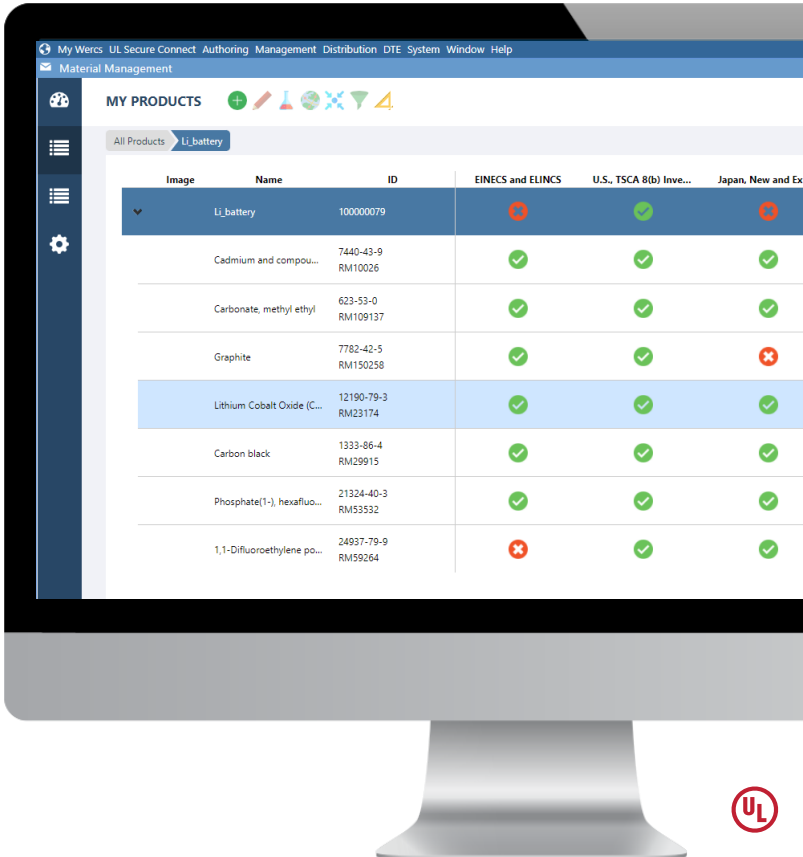


- Load chemical data on all new substances
- Run compliance rules and assessments
- Create a published document
- All part of the sync

Material compliance in Material Manager

Create new products in Material Manager using sourced materials from SCN.

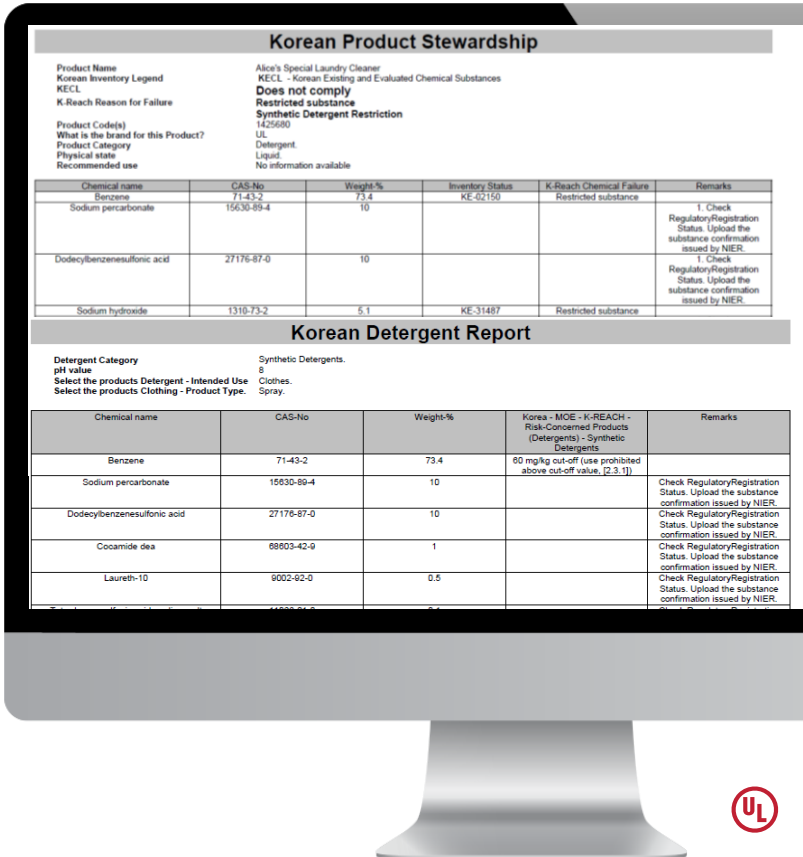
- Give formulators tools to create products within your WERCS Studio
- Proactively screen materials against new regulations
- Manage workflows and tasks right from Material Manager



Product stewardship reports

Create comprehensible product stewardship reports for each material.

- Create stewardship reports specific to each material type or market
- Incorporate chemical data loaded from ChemADVISOR's compliance database



Korean Product Stewardship

Product Name	Alice's Special Laundry Cleaner
Korean Inventory Legend	KECL - Korean Existing and Evaluated Chemical Substances
KECL	**Does not comply**
K-Reach Reason for Failure	**Restricted substance** **Synthetic Detergent Restriction**
Product Code(s)	14256680
What is the brand for this Product?	UL
Product Category	Detergent.
Physical state	Liquid.
Recommended use	No information available

Chemical name	CAS-No	Weight-%	Inventory Status	K-Reach Chemical Failure	Remarks
Benzene	71-43-2	73.4	KE-02150	Restricted substance	
Sodium percarbonate	15630-89-4	10			1. Check RegulatoryRegistration Status. Upload the substance confirmation issued by NIER.
Dodecylbenzenesulfonic acid	27176-87-0	10			1. Check RegulatoryRegistration Status. Upload the substance confirmation issued by NIER.
Sodium hydroxide	1310-73-2	5.1	KE-31487	Restricted substance	

Korean Detergent Report

Detergent Category	Synthetic Detergents.
pH value	8
Select the products Detergent - Intended Use	Clothes.
Select the products Clothing - Product Type.	Spray.

Chemical name	CAS-No	Weight-%	Korea - MOE - K-REACH - Risk-Concerned Products (Detergents) - Synthetic Detergents	Remarks
Benzene	71-43-2	73.4	60 mg/kg out-off (use prohibited above out-off value, [2.3.1])	
Sodium percarbonate	15630-89-4	10		Check RegulatoryRegistration Status. Upload the substance confirmation issued by NIER.
Dodecylbenzenesulfonic acid	27176-87-0	10		Check RegulatoryRegistration Status. Upload the substance confirmation issued by NIER.
Cocamide dea	68603-42-9	1		Check RegulatoryRegistration Status. Upload the substance confirmation issued by NIER.
Laureth-10	9002-92-0	0.5		Check RegulatoryRegistration Status. Upload the substance confirmation issued by NIER.

Send requests from your Studio

Configure WERCS Studio to send requests either automatically or on-demand.

- Utilize SCN's API to kickoff new material requests
- Configure WERCS Studio DTE to send a request during onboarding

UL.SCN.API 1.0 OAS3

General

The UL SCN API is a REST API used to send requests to other companies in the network, or to invite new companies into the network, if not already registered.

Requests vs. Invitations

You can use the API to send requests to any company in the system, as long as you know the destination company ID. If you do not know the company ID, a search for the c
be made. You can search by company name or company contact. If you have a company contact (email address), it is recommended that you search using the contact rathe
company name. A company may register with any name, and it is left up to the registering company to name themselves. However, a user can only have one email address.
searching by company name may return ambigious results. The search by company name may return partial matches, and these matches, although close to you desired des
incorrect for your particular request. Searching a company by contact will always yeild one company, if the user is registered.

See GET - /v1/companies for more information.

To send a request, you should follow this procedure:

1. Call GET - /v1/companies to search for a company by contact (email - exact match).
   - If a company is returned, use the company ID to send a request (see /v1/requests - POST)
   - If a company is not returned, send a new invitation (see /v1/invitations - POST)

Access

In order to use the API, an OAuth access token must be supplied with the appropriate scopes with each call. In order to obtain an access token, a client ID and client secret n
from UL. Then, using a client credentials flow, an access token can be obtained allowing calls the ULSCN API.

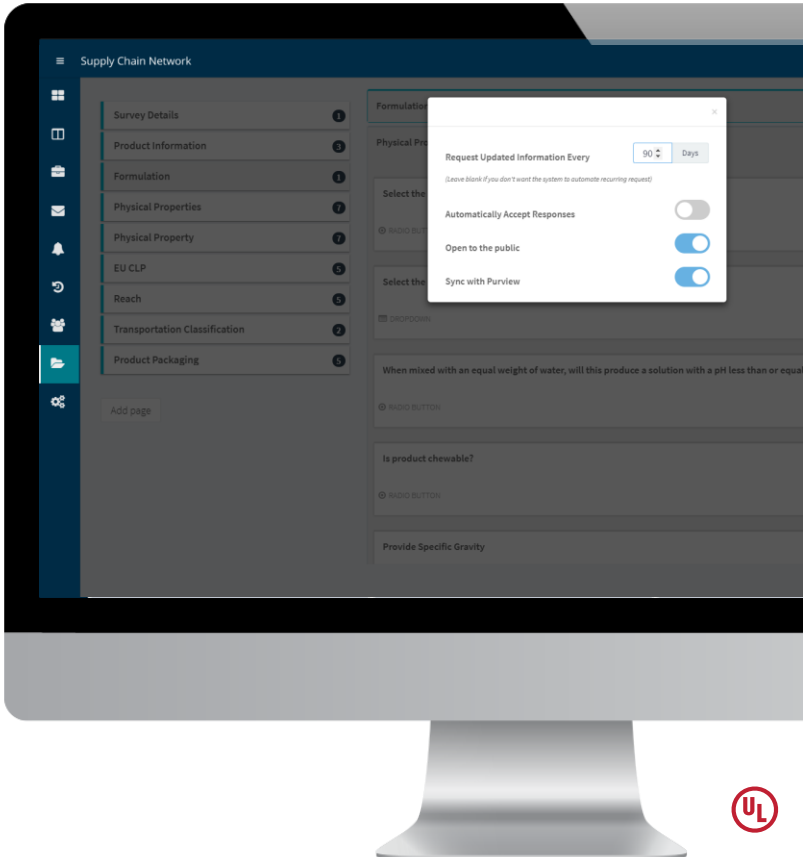
OIDC Sources

Environment: Production

Document	Link
Discovery Document	https://productintelligence.ul.com/idsvrpi/.well-known/openid-configuration

Continuous supply chain engagement

Automate tasks in SCN, such as requesting the latest information on a material every year.



- Automate request follow-up for completed requests
- Automatically approve responses if required data is populated
- Allow suppliers to proactively submit new materials to you

Questions

Stacie Abraham & Frank Schroeder
UL.com

Material Management Roll Ups Customer Discussion

Michael Naylor, Regulatory Specialist, Teknor Apex

Bob Betts, Sales Manager, UL

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Customer discussion

Michael Naylor

Regulatory Specialist, Teknor Apex

Teknor Apex Company

Headquartered in Pawtucket, RI

Nine U.S. Locations as well as operations in Belgium, Singapore, Germany and China

Manufacturer:

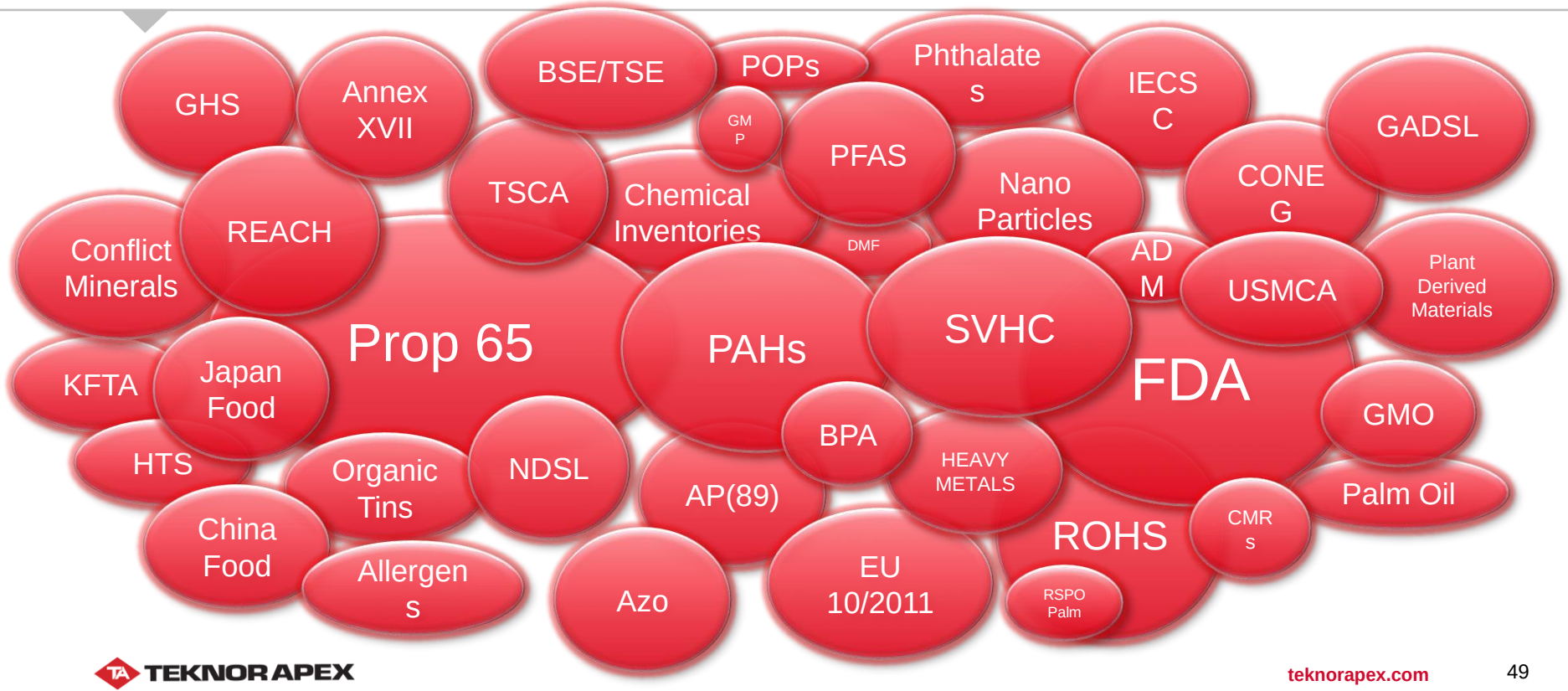
- Teknor Color
- Vinyl
- Thermoplastic Elastomers
- Engineering Thermoplastics
- Chemicals
- Garden Hose

Industries of Teknor Apex

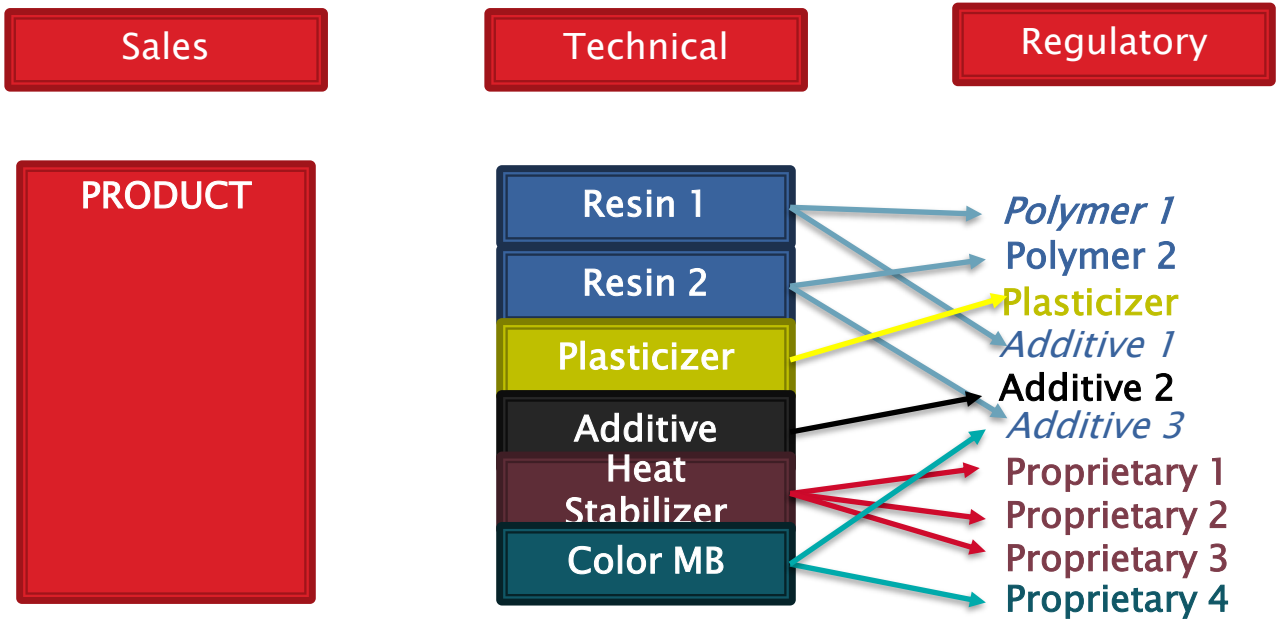
Teknor Apex provides compounds to a wide array of industries resulting in thousands of finished goods and raw materials in WERCS Studio

- Building & Construction
- Consumer Goods
- Electrical & Electronics
- Industrial
- Medical & Regulated
- Packaging
- Transportation

Regulatory Landscape



From Sales to Regulatory



Constraints

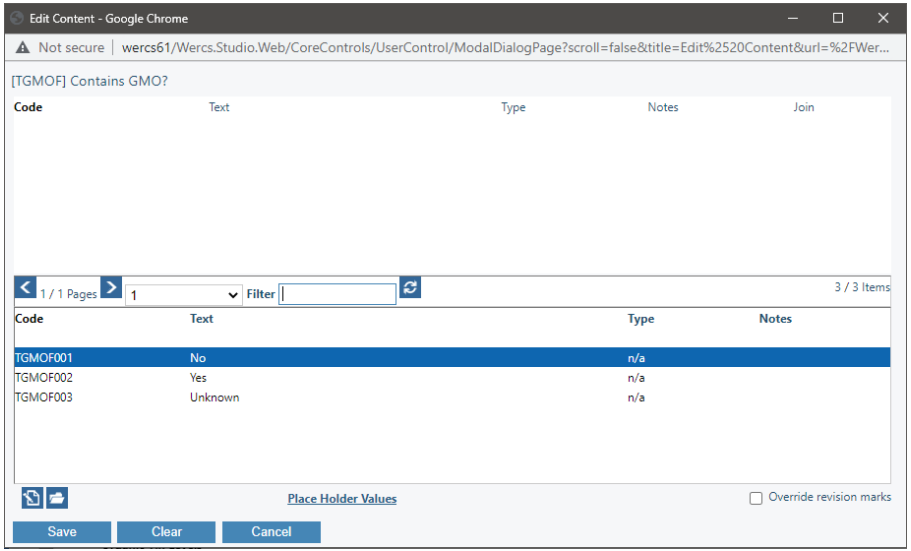
	GMO	Ortho-Phthalates	Lead	ADM
Polymer 1	✓	✓	✓	✓
Polymer 2	✓	✗	✓	✗
Plasticizer	✓	✓	✓	✗
Additive 1	✓	✓	✓	✓
Additive 2	✓	✓	✓	✓
Additive 3	✓	✗	✓	✗
Proprietary 1	✓	✓	✗	✓
Proprietary 2	✓	✓	✓	✓
Proprietary 3	✗	✓	✓	✓

- Many regulations are available with LOLI but many suppliers will not provide 100% composition
- Suppliers complete a questionnaire or provide their own documentation
- Our team inputs this data into WERCS Studio at the raw-material product level using PTXT and PVAL phrase families in Power Entry
- Data roll-up from raw material to finished good
- Current systems do not evaluate this data at the finished good level. The regulatory team does this evaluation manually.

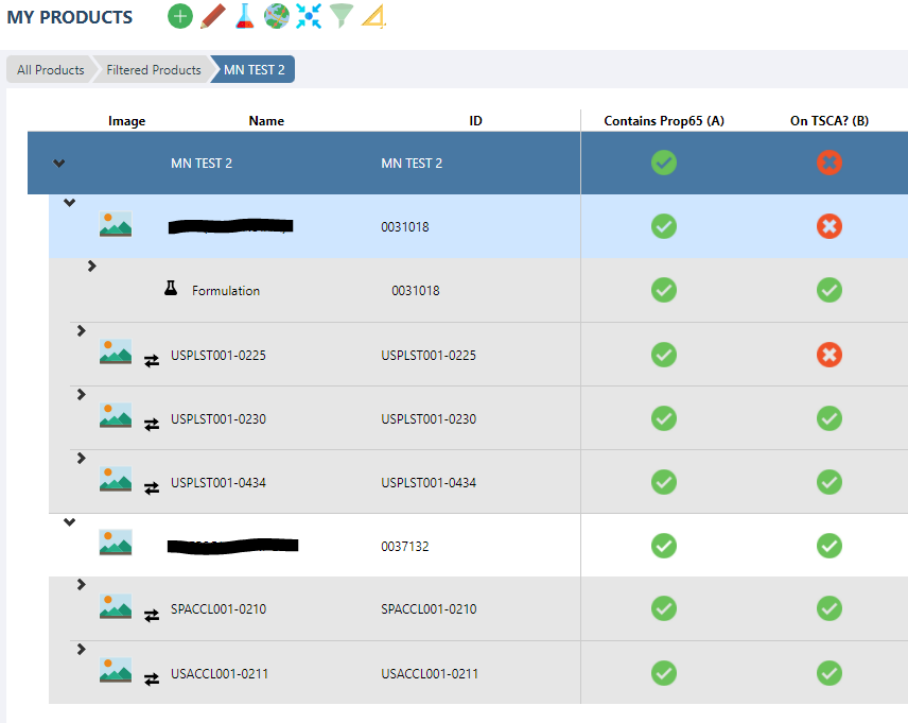
Custom Phrase Families & Phrases

Custom Phrase Families created for each regulation on the Teknor Apex questionnaire

These were built into a custom screen in Power Entry so that Teknor Apex can track answers at the raw material level



Materials Management Module



Materials Management Module

Provides Regulatory Data at Finished Good Level

- With the Materials Management Module we will be able to analyze our compounds at a finished good level automatically
- Custom rules were created which allow Teknor Apex to utilize our supplier data and have it roll up to our finished goods
- Changes to raw material data will be immediately reflected in Materials Management allowing our team to assess regulatory compliance of our compounds

Break

WERCS Studio enhancements and new features

Joseph Pedinotti and Desiree Sparella

November 2021 | WERCS Studio virtual user group

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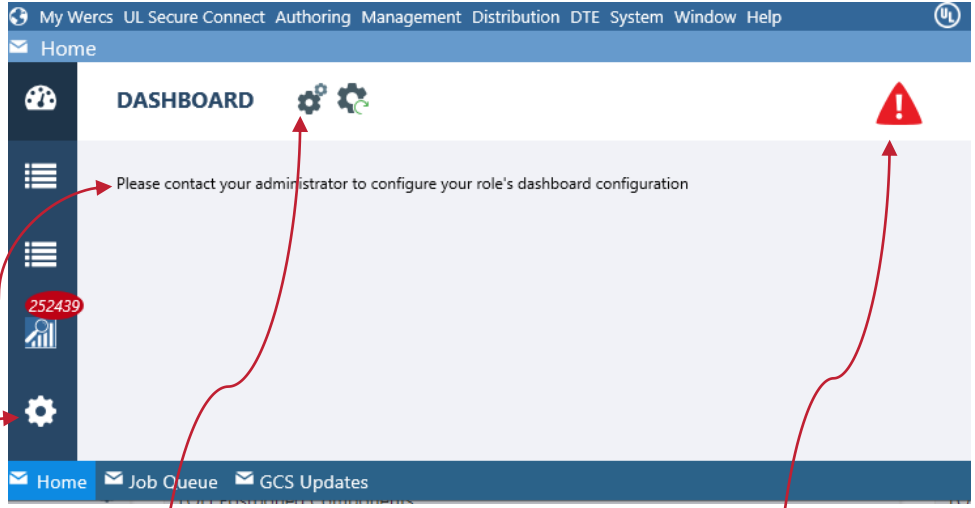
Agenda

- WERCS Studio enhancements
- New – LOLI Loader and Impact Analysis

WERCS Studio enhancements

New home screen

- With the release of the update LOLI IA Module we will be bringing the dashboard that was only available via Material Management to everyone's system as the new landing page.
- This will replace the previous landing page.



You will need to configure the default layout and content of this screen for your roles to make use of the KPIs and widgets.

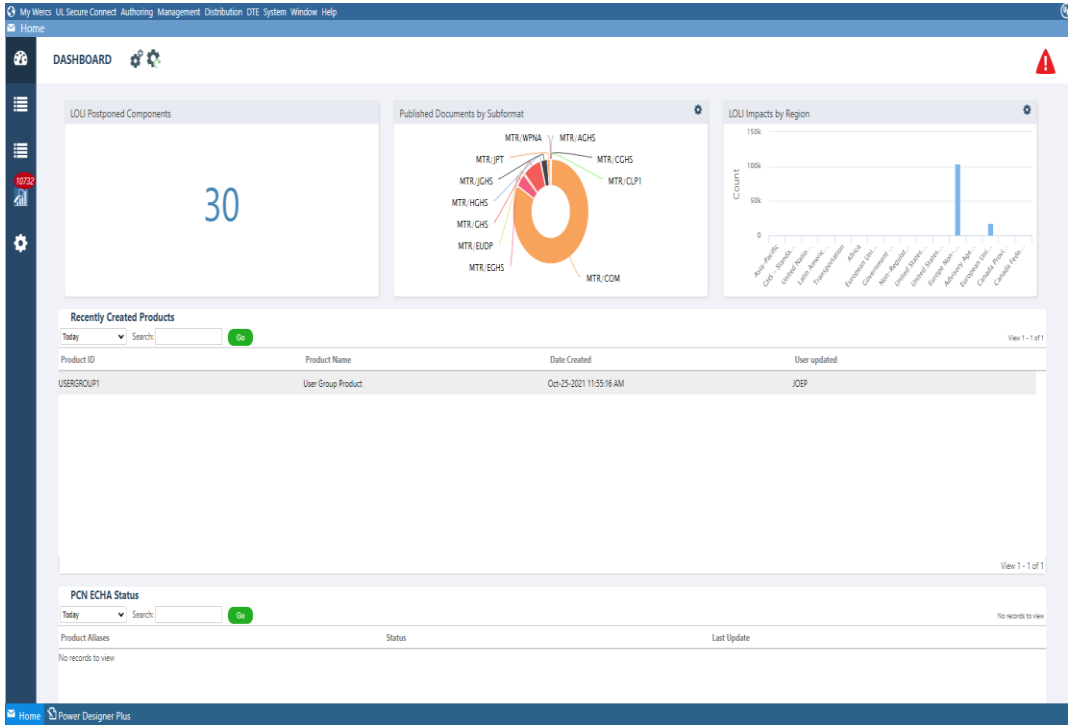
The initial content of the dashboard can be configured using the gear icon.

Users can individually show or hide content by clicking here.

GCS Notification link and icon

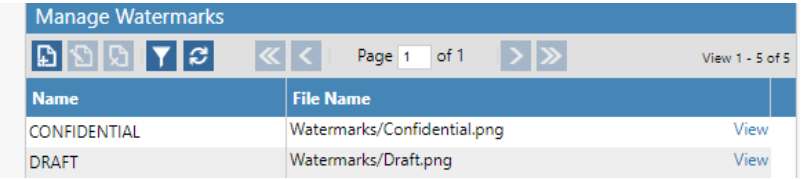
New home screen – configured

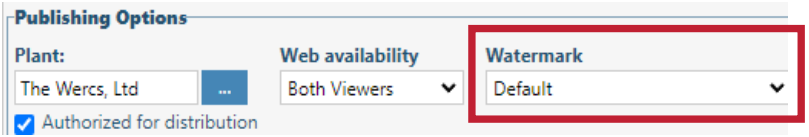
- Once configured for your role, you may see something like this.
- While many canned grids and KPIs are available initially, additional KPIs can be created through report writer to suit your needs.
- Depending on your installed modules, different functionality will be available such as jump-to logic, which will automatically navigate you to other parts of the system such as:
    - Jump to Material Management Product view
    - Jump to LOLI Impact view



Watermark Management

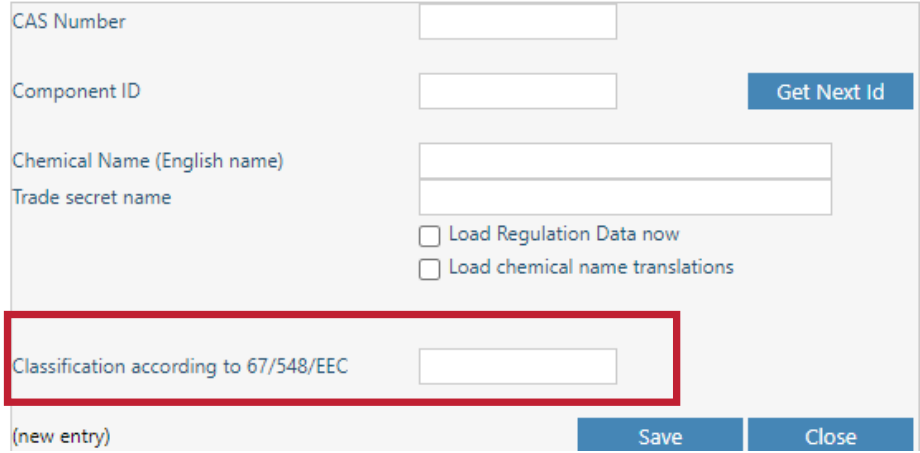
- Users can now store and manage multiple watermarks which can be chosen at the time of publish.
- Watermarks can be managed in Power Designer from a new Tools->Manage Watermarks screen.
- You can use your own images for watermarks and two watermarks will be provided with the system upgrade.
- When publishing,
  by default the Subformat level selection will be used. You may then overwrite this during publish on relevant screens.





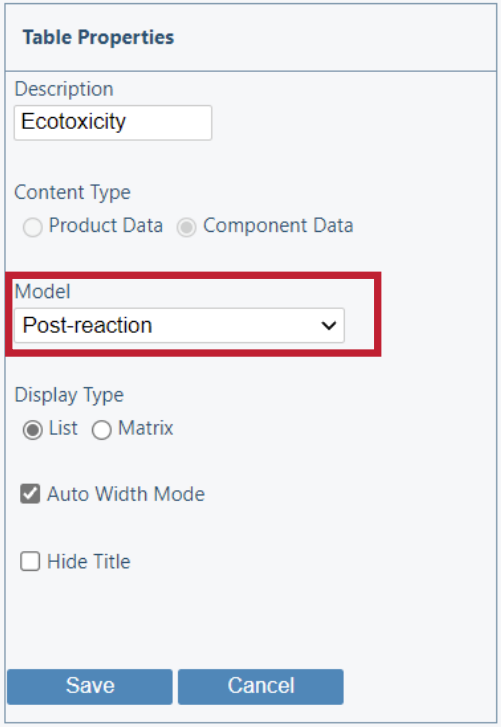
New Component - Component Classification

- The Datacode used to store the component classification on the create component screen is now configurable.
- Setting COMPONENTS->CLASSIFICATION_DATACODE will now control which data point is able to be set at the time of component creation.



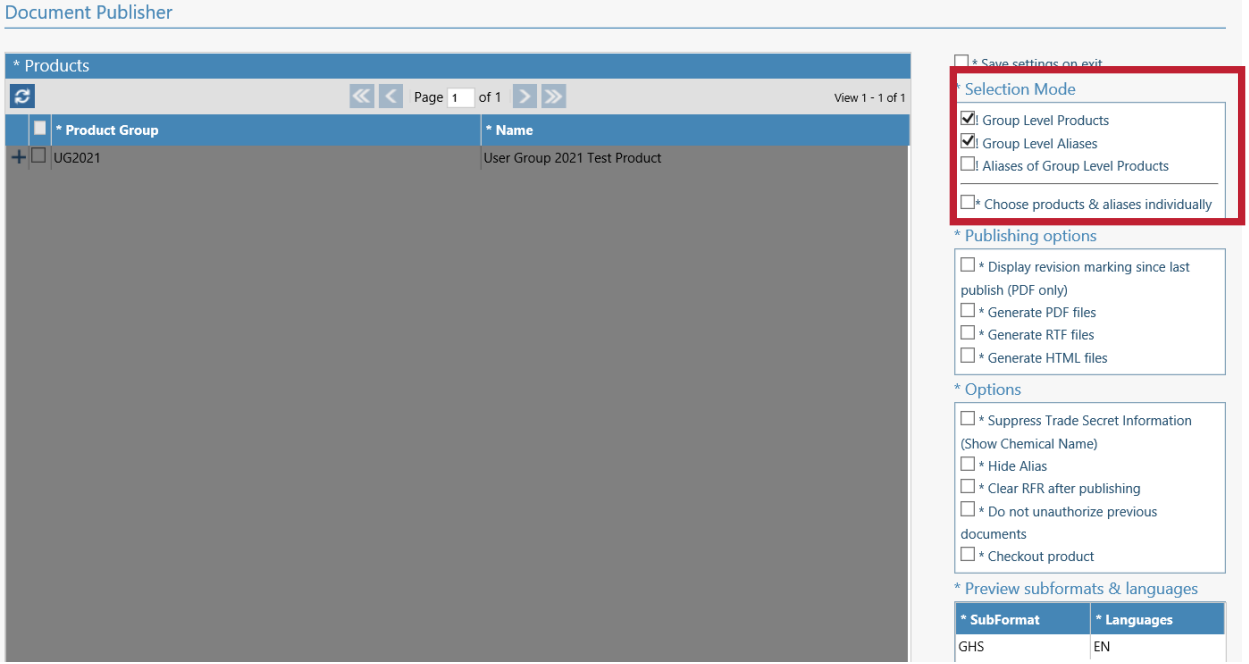
Model specific RCDS

- Users can now select to source a Repeating Component Dataset (RCDS) from a model.
- A model dropdown menu has been added to the RCDS Table Properties screen via Power Designer Plus.
- If a model is selected from the dropdown, the components that display in the dataset will be limited to those in the model.



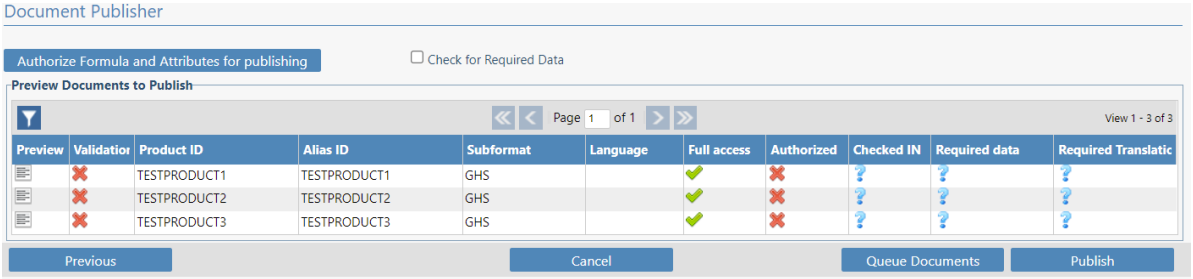
Document Publisher – selection options

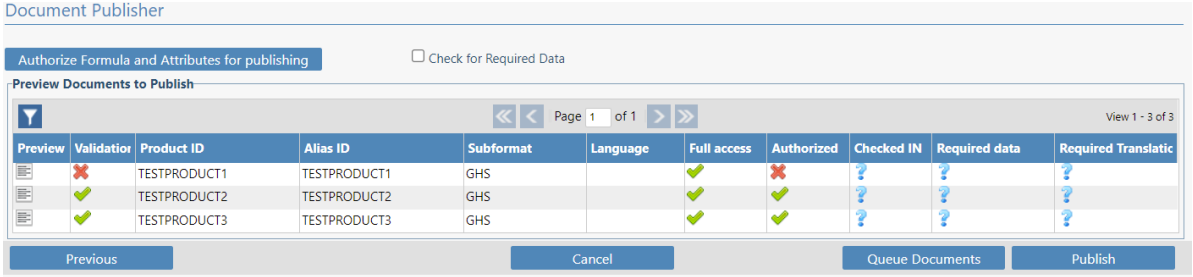
- A change was made to Document Publisher allowing for more flexibility around which entities are published.
- Checkboxes allow you to combine different selections while still allowing individual selection if needed.



Document Publisher – authorization option

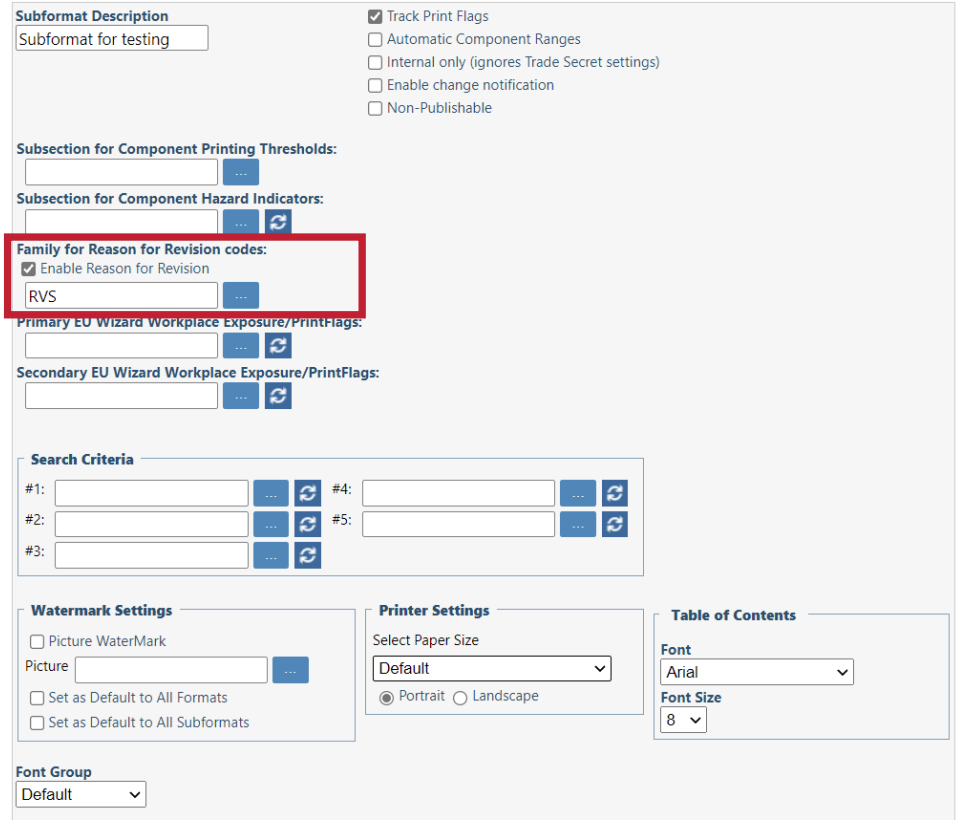
- Added a button to attempt to authorize the format and formula for all items in your to-be-published queue.
- Keep in mind, this screen can grow large very quickly, as each document will appear for each template and language.





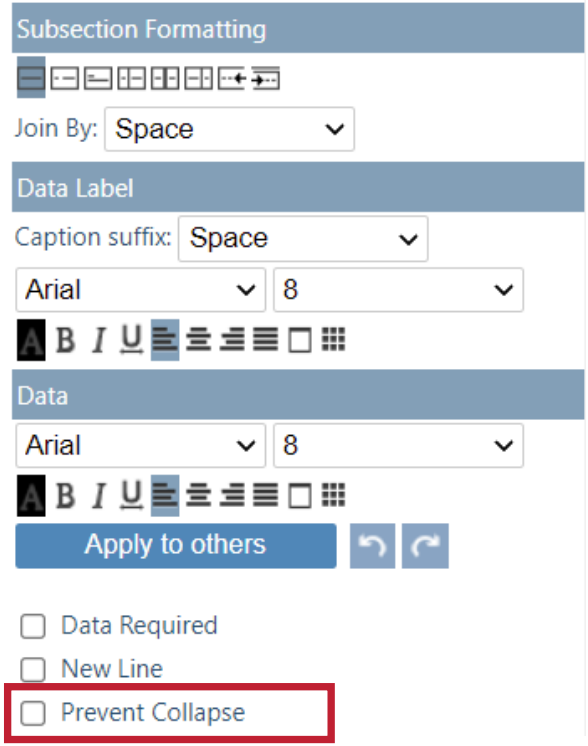
Subformat specific revision note family

- Revision notes used to always be tied to family “RVS.”
- Now you can choose a different one per subformat.
- Revision triggers will need to be updated so that your textcodes and datacodes of the triggers match what you are now using for the subformat.



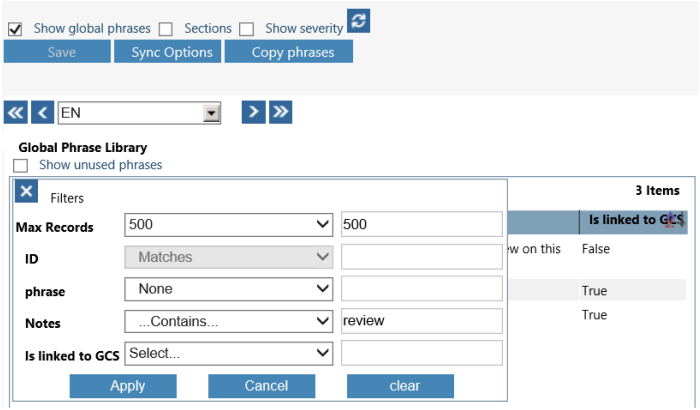
Formatting option – prevent collapse

- A formatting option has been added in Subsection Formatting for most usage types to allow one to mark a subsection to **always print**.
- No default phrase is required when the ‘Prevent Collapse’ checkbox is checked.
  - This means that situations where the |v |v0 phrase was previously needed may be able to be replaced by the new ‘Prevent Collapse’ checkbox.

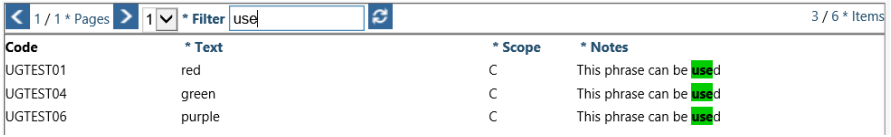


Phrase notes – search capability

- The ability to search notes along with the existing ability to phrase text has been added to:
  - Translation manager – global phrase screen

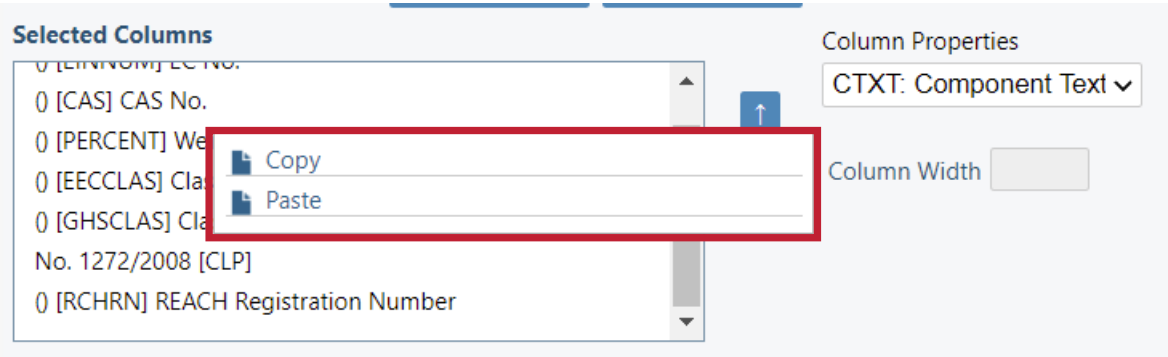


  - Power designer/author – phrase assignment screen



Power designer – component table column copy

- One can now right-click to copy and paste columns from one component table to another.



Product selector – date created

- A “Date Created” column was added to main Product and Alias Selector Screen to allow:
  - Sorting
  - Filtering

3 Items

Product Aliases

WPS ID	Product ID	Alias ID	Name	Generic ID	Date Created
0	USER GROUP	USER GROUP	user group product 1		Apr-24-2015 8:51:47 PM
0	USER GROUP2	USER GROUP2	user group product 2		Apr-24-2015 8:52:34 PM
0	USERGROUPTEST1	USERGROUPTEST1	Test product 1 for User Group		Oct-11-2021 12:24:11 PM

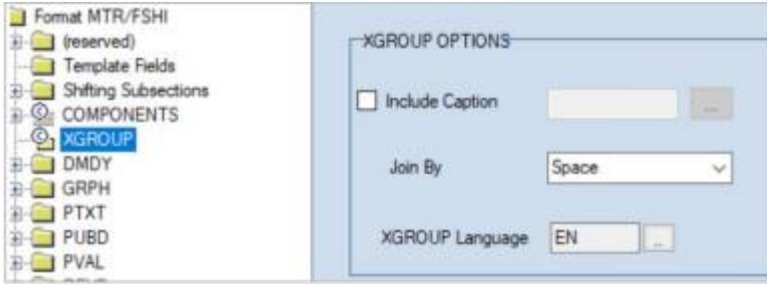
Label designer – XGROUP

- XGROUP is now supported as a special table control in labeling.
- Example of an XGROUP in a text cell. The first line will be automatically created when adding an XGROUP via the selector, allowing for a language, caption and join by to be set for the XGROUP.

  {language}{XGROUP::CAPTION::JOINBY}

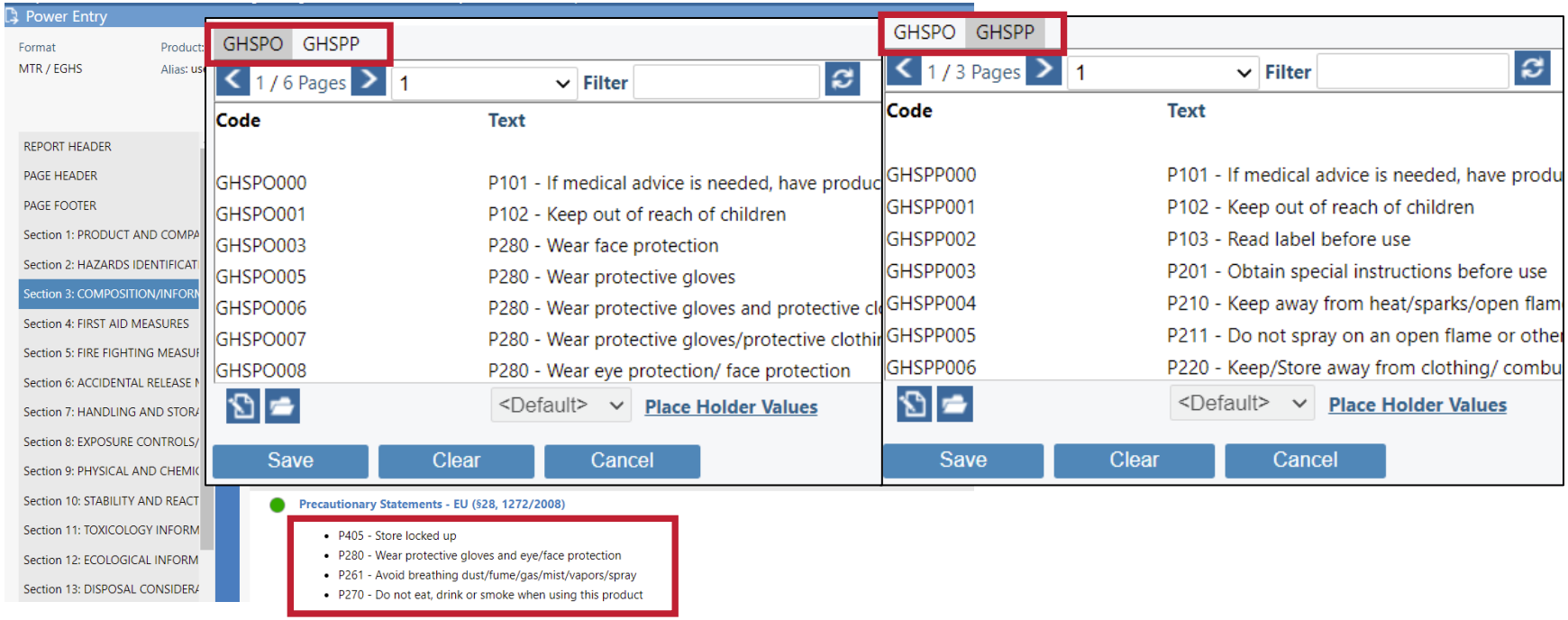
  {t|PTXTCODE1}

  {t|PTXTCODE2}



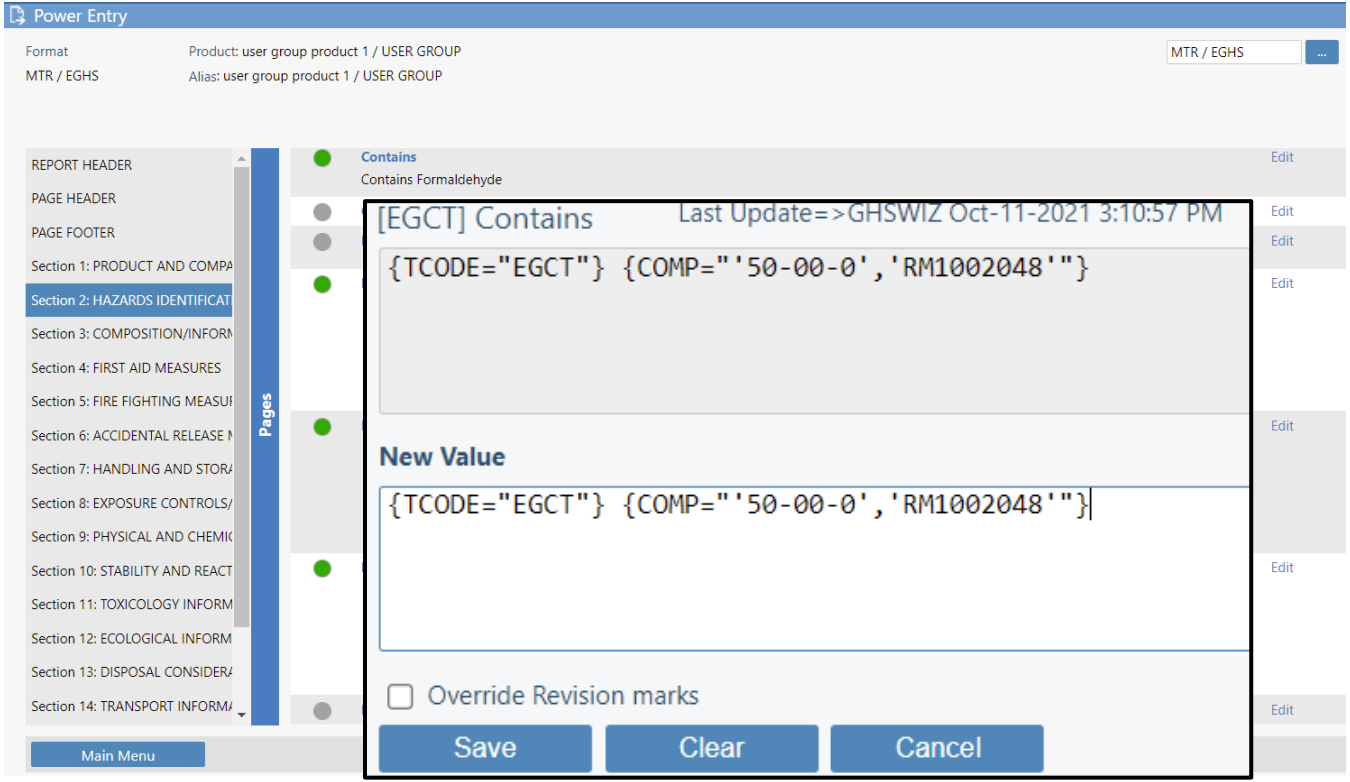
Power Entry – XGROUP

- XGROUP functionality has been added to Power Entry so users can enter and view the data the same way as it will display on the final document.



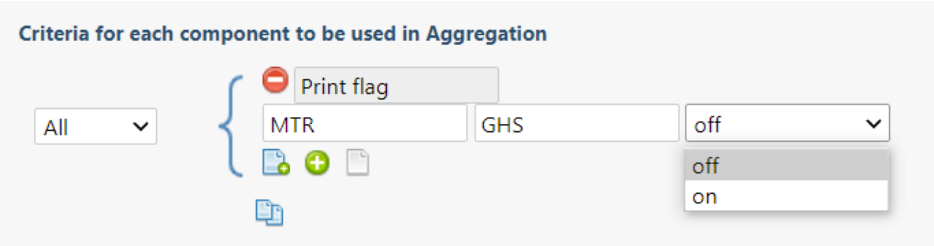
Power Entry – LST

- The LST usage type is now editable.
- The preview will show the processed text while the edit screen will show the raw data so take care when or if editing.



Rule I – criteria updates

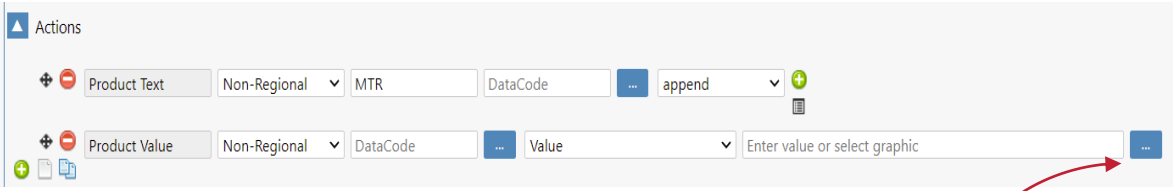
- Print flag on/off check added to the component node.



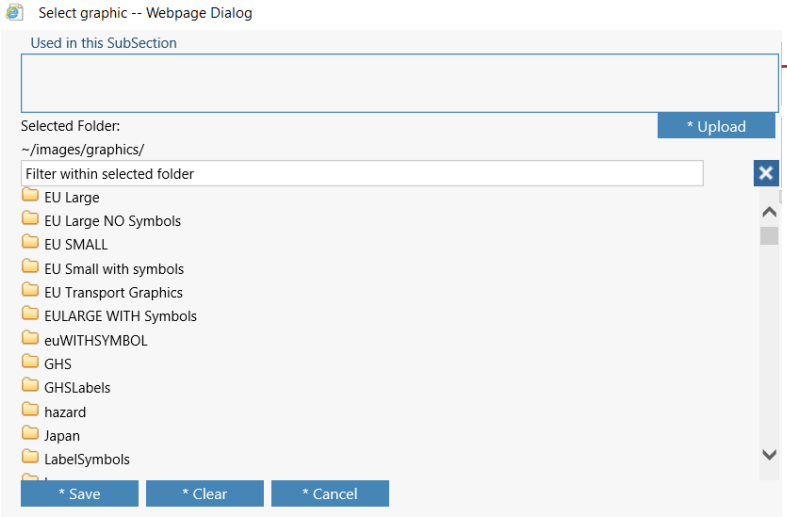
- Added case-sensitivity option to the like/not like conditions.

Rule I – selectors

- Datacode selectors have been added to all datacode fields.

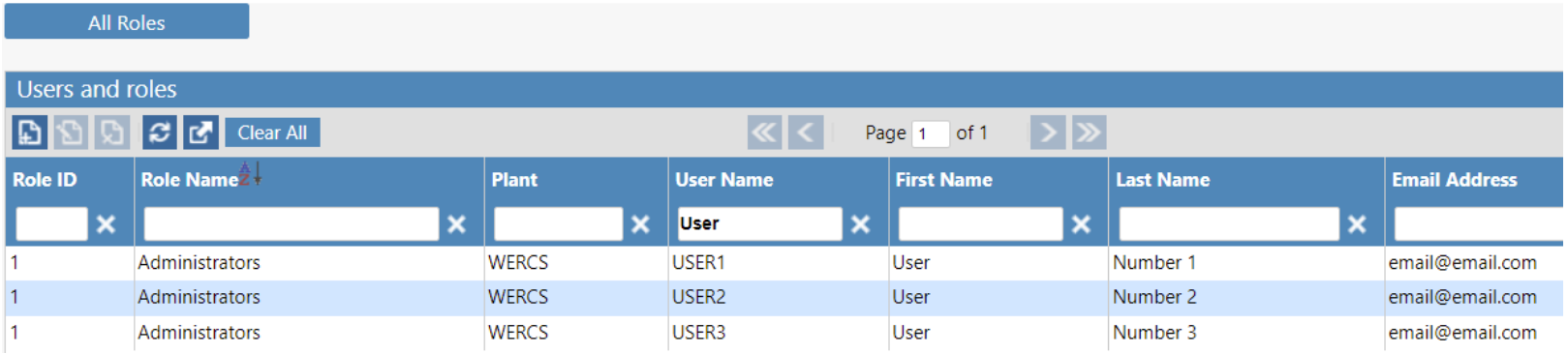


- The standard graphic selector is now usable for all value type comparisons so that the image path no longer has to be entered manually.



Security Manager – user management

- The look and feel of Security Manager has been updated.
- Roles and users are now all visible in one grid rather than two side-by-side grids, which allows searching for users without knowing their role.



New – LOLI Loader and Impact Analysis

Summary – new Impact Analysis

- Identify and analyze data changes quickly and prior to loading
- Filter options to quickly identify impacted products and product groups down to a specific data change
- Identify data changes that will not load due to either "Overwrite Ownership" turned off or "Skipload/Skiplist" functionality
- Option to load all changes or specific filtered sets of data as needed
- Option to postpone specific datasets to not load
- Create product groups based on a filtered set of changes at the time of loading data
- Export results to Excel for further analysis

LOLI Impact Analysis redesign

Impact Analysis review

- Grid presentation of data by CAS/component ID/component name
- Analysis of current studio data vs. new data given via datacode
- Flag identifiers for other changes, data type change, component loading status, and postponing data load

IMPACT ANALYSIS - LOLI

Contains component cas: 50-00-0, CompID: RM1002048

Send to job queue

1 / 2

LOLI comparison data is up to date.

CAS Number	Component ID	Component Name	Data Code	Current Data	New Data	Other Changes	Results	Will Load?	Postponed?
50-00-0	RM1002048	Formaldehyde	96HLCF	32 |par 100 |par 22.6 |par 23.2 |par 1.51 |par 41 |...	22.6 |par 1.51 |par 41 |par 32 |par 100 |par 23.2	no	Update	✓	☐
50-00-0	RM1002048	Formaldehyde	ANNEX	605-001-00-5 |par	605-001-00-5	no	Update	✓	☐
50-00-0	RM1002048	Formaldehyde	CHECAR	A2	A1	no	Update	✓	☐
50-00-0	RM1002048	Formaldehyde	CROEL	TWA: 2 ppm |par TWA: 2.5 mg/m3 |par STEL: 2 p...	TWA: 0.3 ppm |par TWA: 0.37 mg/m3 |par TWA:...	no	Update	✓	☐
50-00-0	RM1002048	Formaldehyde	EEC32	T; R23/24/25 |par C; R34 |par Carc.Cat.2; R45 |par...	T; R23/24/25 |par C; R34 |par Carc.Cat.2; R45 |par...	no	Update	✓	☐
50-00-0	RM1002048	Formaldehyde	EECCLAS	T; R23/24/25 |par C; R34 |par Carc.Cat.2; R45 |par...	T; R23/24/25 |par C; R34 |par Carc.Cat.2; R45 |par...	no	Update	✓	☐
50-00-0	RM1002048	Formaldehyde	EECSOU	E |par |par H	E |par H	no	Update	✓	☐

LOLI Impact Analysis redesign

Data source

- Expand grid data at the datacode level to show regulatory list source, masked data, and data sourced from regulatory database

LOLI comparison data is up to date.

CAS Number	Component ID	Component Name	Data Code	Current Data	New Data
50-00-0	RM1002048	Formaldehyde	CROEL	TWA: 2 ppm |par TWA: 2.5 mg/m3 |par STEL: 2 p...	TWA: 0.3 ppm |par TWA: 0.37 mg/m3 |par TWA:...

Masked Data	LOLI List ID	Generic ID	@2	@3	@4	@5	@6	@7	@8	@9
TWA: 0.3 ppm	2454			0.3	ppm	TWA	GVI			
TWA: 0.37 mg/m3	2454			0.37	mg/m3	TWA	GVI			
TWA: 0.5 ppm	2454			0.5	ppm	TWA	GVI	for health, f...		
TWA: 0.62 mg/m3	2454			0.62	mg/m3	TWA	GVI	for health, f...		
STEL: 0.6 ppm	2354			0.6	ppm	STEL	KGVI			
STEL: 0.74 mg/m3	2354			0.74	mg/m3	STEL	KGVI			
Skin Sensitisation	7839			Skin Sensiti...						

- Identify data updates associated to generic ID(s)

LOLI comparison data is up to date.

CAS Number	Component ID	Component Name	Data Code	Current Data	New Data
10031-25-1	RM10578	Chromium bromide (C...	ITREL	TWA: 0.5 mg/m3	TWA: 0.003 mg/m3

Masked Data	LOLI List ID	Generic ID	@2	@3	@4	@5	@6	@7
TWA: 0.003 mg/m3	3936	RR-16884-3		0.003	mg/m3	TWA		Cr

LOLI Impact Analysis redesign

Other changes

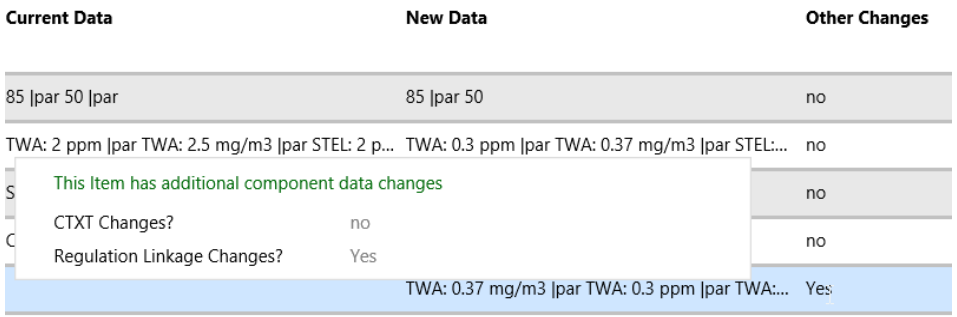
- Indicates if change has impact on component identification in regulatory tracking
- Indicates if data change has impact on CTXT masked datasets

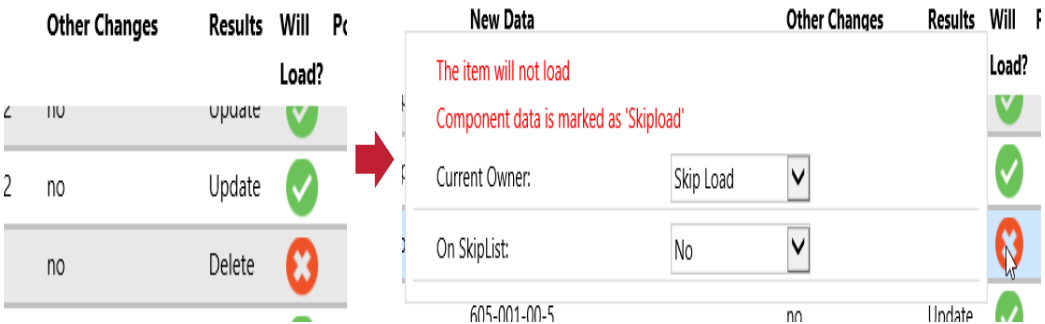
Results

- Indicates if data is new, updated, or deleted, i.e., LOLI data doesn't exist for the mapping

Will load

- Indicates if data updates will load
- Identifies ownership of data within system
- Ability to change ownership of data





LOLI Impact Analysis redesign

Analyze and load – toolbar features

- Filter dataset to narrow down analysis
- View products impacted by filtered dataset
- Export to Excel for capture and tracking
- Send to job queue — Load filtered dataset, and create a product group for further analysis and publishing

IMPACT ANALYSIS - LOLI

Postpone Flag is false | Data Code starts with 'GHSCLAS' | Subformat MTR/EGHS | Results matches Add

Send to job queue

1 / 1

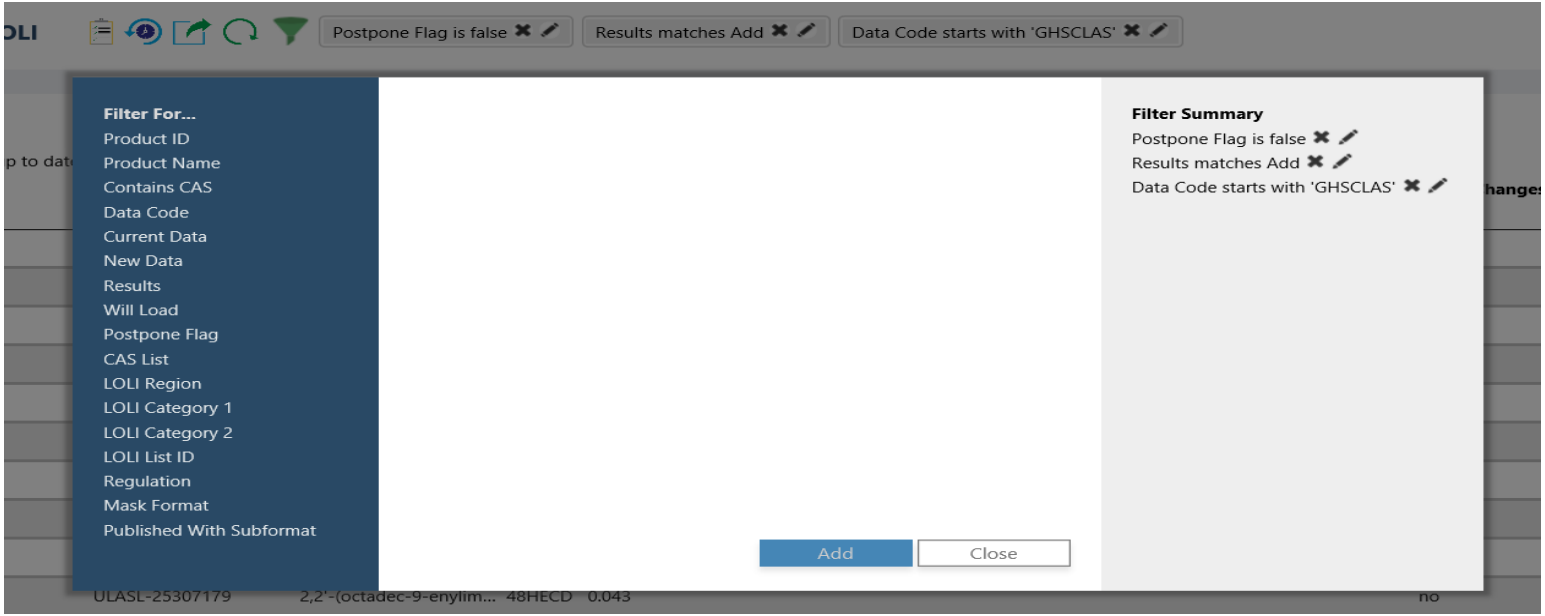
LOLI comparison data is up to date.

CAS Number	Component ID	Component Name	Data Code	Current Data	New Data	Other Changes	Results	Will Load?	Postponed?
106-24-1	RM15644	Geraniol	GHSCL...		Skin Sens. 1 (H317)	Yes	Add	✓	☐
409-21-2	RM82591	Silicon carbide	GHSCL...		Carc. 1B (H350i)	Yes	Add	✓	☐
7440-50-8	RM146572	Copper	GHSCL...		Aquatic Chronic 2 (H411)	Yes	Add	✓	☐
77-92-9	RM150641	Citric acid	GHSCL...		Eye Irrit. 2 (H319) |par STOT SE 3 (H335)	Yes	Add	✓	☐
99-87-6	RM186683	p-Cymene	GHSCL...		Acute Tox. 3 (H331) |par Asp. Tox. 1 (H304) |par...	Yes	Add	✓	☐

LOLI Impact Analysis redesign

Filter capabilities

- Filter dataset via multiple queries
- Build upon each query to narrow down to specific set for analysis and/or load



LOLI Impact Analysis redesign

Product view

- Quick view of products impacted
- Options to filter or export to Excel for further capture
- Expand product to see snapshot of all components with data changes

Affected Products

Page 1 of 4 View 1 - 25 of 100

Product ID	Product Name
ABTEST	Ally Brooks Test Product

CAS Number	Component ID	Component Name	Data Code	Current Data	New Data
101-86-0	RM10040	Octanal, 2-(phenylmethylene)-	JPFSALL	Group 4 Group 4 Flammab	Group 4 Group 4 Flamn
101-86-0	RM10040	Octanal, 2-(phenylmethylene)-	LCDCWA	565.7263	
101-86-0	RM10040	Octanal, 2-(phenylmethylene)-	LDDCNU	3000	
101-86-0	RM10040	Octanal, 2-(phenylmethylene)-	LDOCNU	3100	
101-86-0	RM10040	Octanal, 2-(phenylmethylene)-	QN26		Not classified
104-29-0	RM14195	Chlorphenesin	BPC		341.1

BETHEGHSTEST	EGHS TEST PRODUCT
BETHNGHSTEST	TEST PROD FOR NGHS
BETHOCDTEST	TEST PRODUCT FOR OCD
BETHSKINSENSITIZATION	SKIN SENSITIZER TEST
JLM - TEST	Test Product for Aquatic Chronic
KARATEST3	Test
KLOTEST	Test

LOLI Impact Analysis redesign

Export functionality

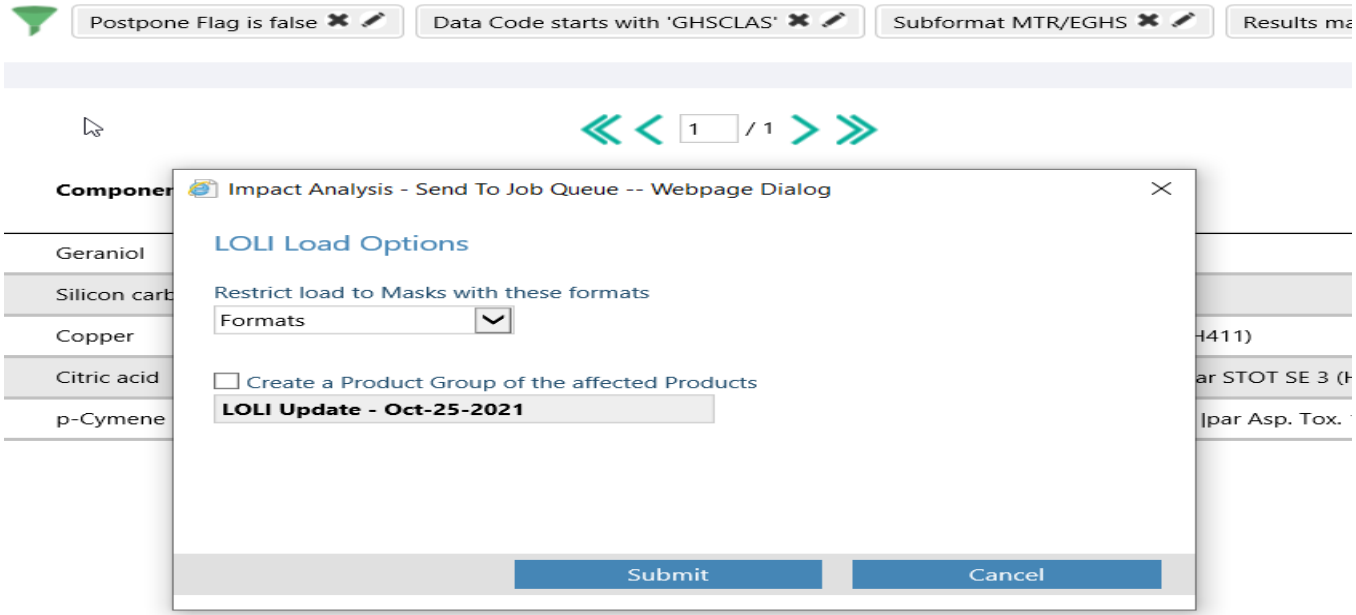
- Export dataset to Excel for further analysis or data capture of changes
- Presents data from grid presentation

A	B	C	D	E	F	G	H	I
ComponentNa	CASNumber	ComponentID	DataCode	Data	UpdateToDat	ChangeType	IsOnSkiplist	CanLoadFlagCval
Geraniol	106-24-1	RM15644	GHSCLAS		Skin Sens. 1 (H	Add	No	Can load
Silicon carbide	409-21-2	RM82591	GHSCLAS		Carc. 1B (H35	Add	No	Can load
Copper	7440-50-8	RM146572	GHSCLAS		Aquatic Chron	Add	No	Can load
Citric acid	77-92-9	RM150641	GHSCLAS		Eye Irrit. 2 (H3	Add	No	Can load
p-Cymene	99-87-6	RM186683	GHSCLAS		Acute Tox. 3 (	Add	No	Can load

LOLI Impact Analysis redesign

Loading via Impact Analysis

- Upon review and analysis, send dataset to job queue directly in Impact Analysis
- Option will be given to create a product group of products impacted by changes



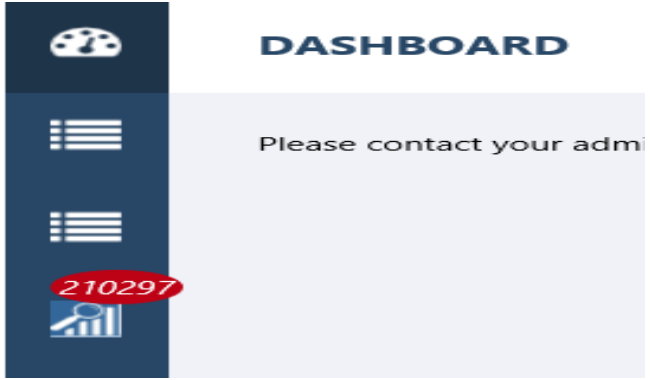
LOLI Impact Analysis redesign

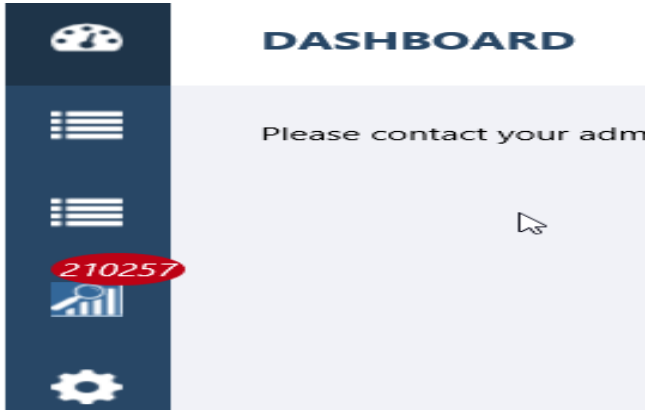
Accessible via home screen

- Number count displayed to represent # of individual regulatory data changes at the datacode/CAS/component level
- As data is loaded (either partially or entire set) – number count will change upon completion of loading process
- Number will reset once a new connection to next quarterly ChemADVISOR Regulatory Database

– or –

- Where changes are made to the database in between quarters, opportunity to continuously track component level changes to the ChemADVISOR Regulatory Database dataset

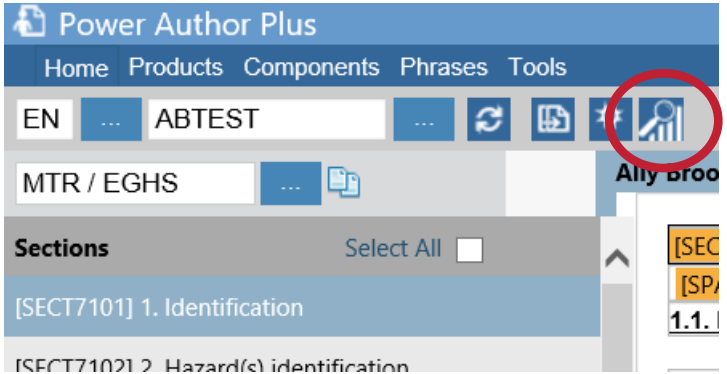


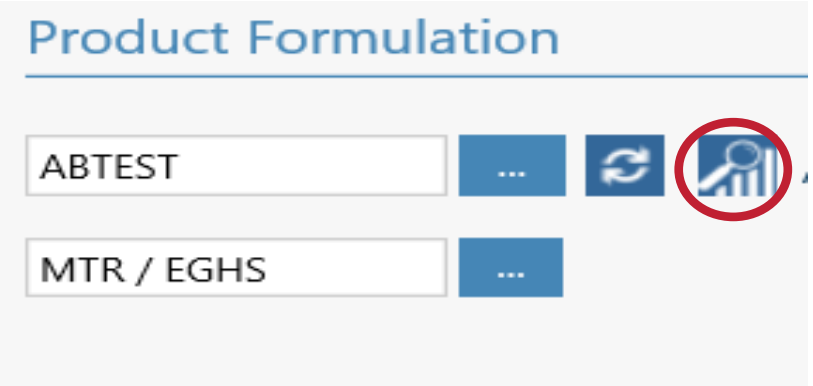


LOLI Impact Analysis redesign

Other access points

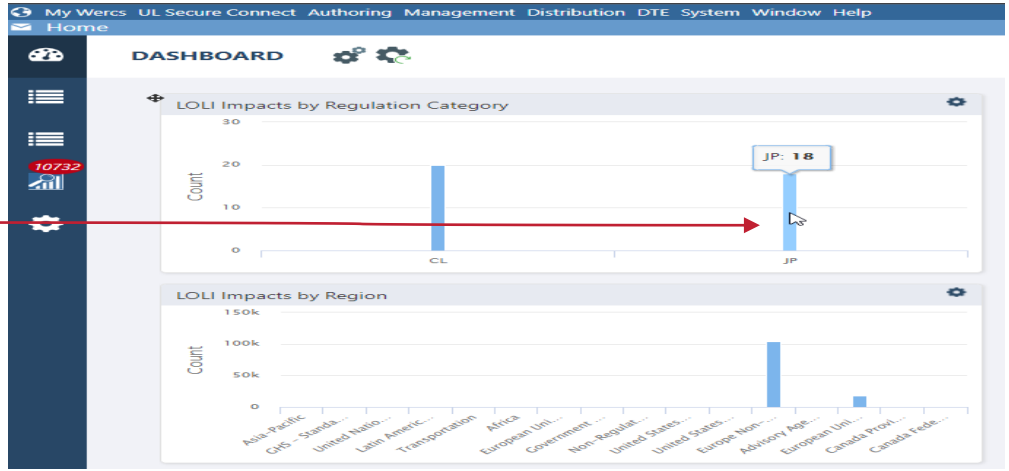
- Within Power Author and Designer Plus, upon product lookup, new icon added to identify impact analysis of product at the formulary level
- Accessible via main screen or via formulation screens



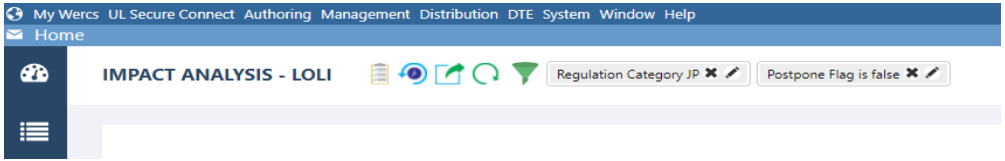


LOLI Impact Analysis – KPI features

- From the home screen dashboard, if you inspect the KPI you can see there are 18 Impacts identified for the JP regulation category.



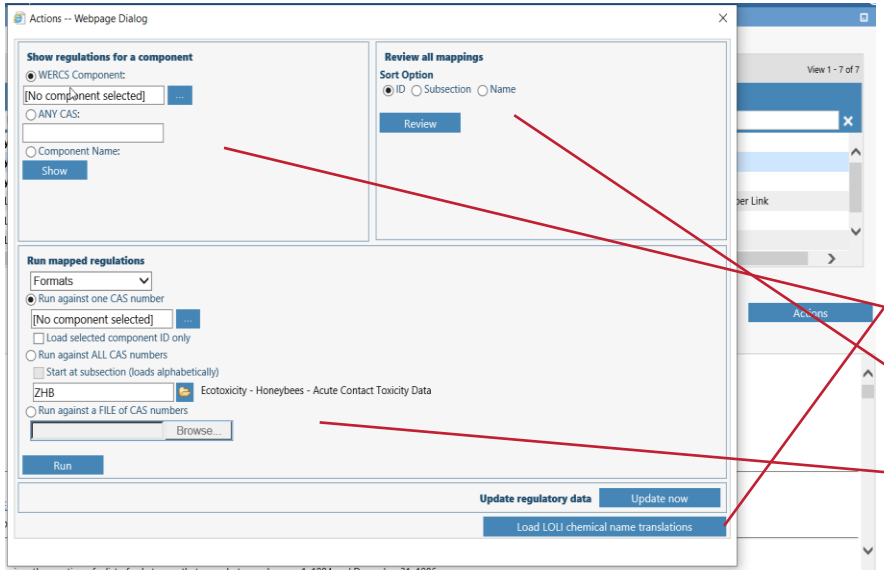
- Clicking on this will jump to the Impact Analysis Grid filtered on that regulation category.



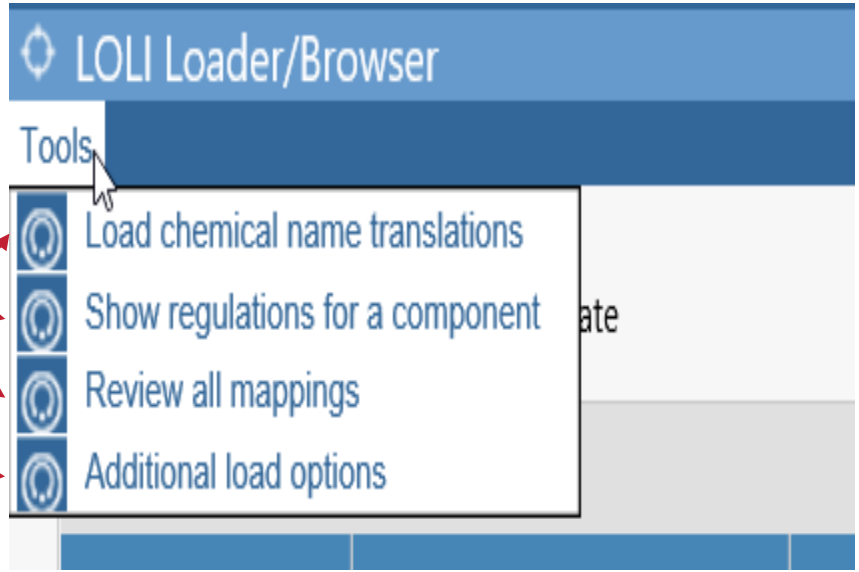
LOLI Loader/Browser redesign

- Actions button removed and replaced with drop-down (Tools)
- Functionality remains the same

Existing



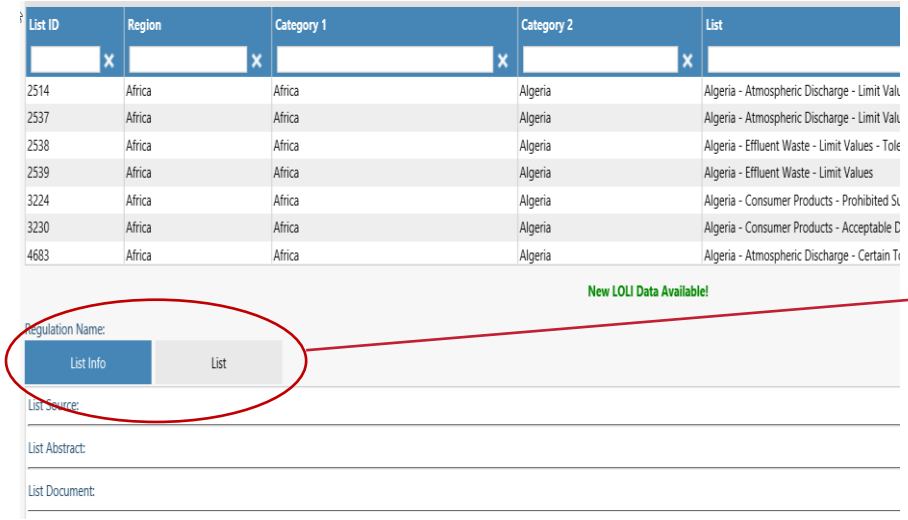
New



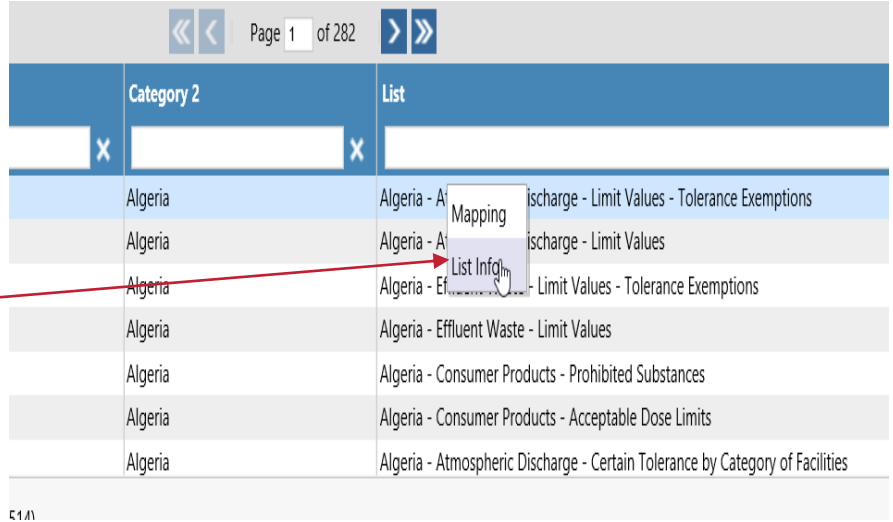
LOLI Loader/Browser redesign (cont.)

- Launching LOLI Loader/Browser will open to “List” data immediately
- Removed toggling between “List Info” and “List” data
- Right-click on regulatory list name to view “List Info” in separate screen

Existing



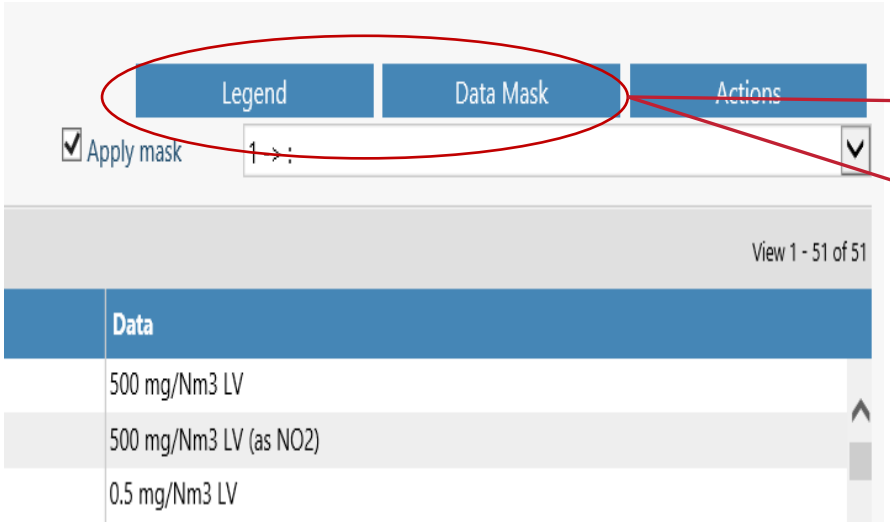
New



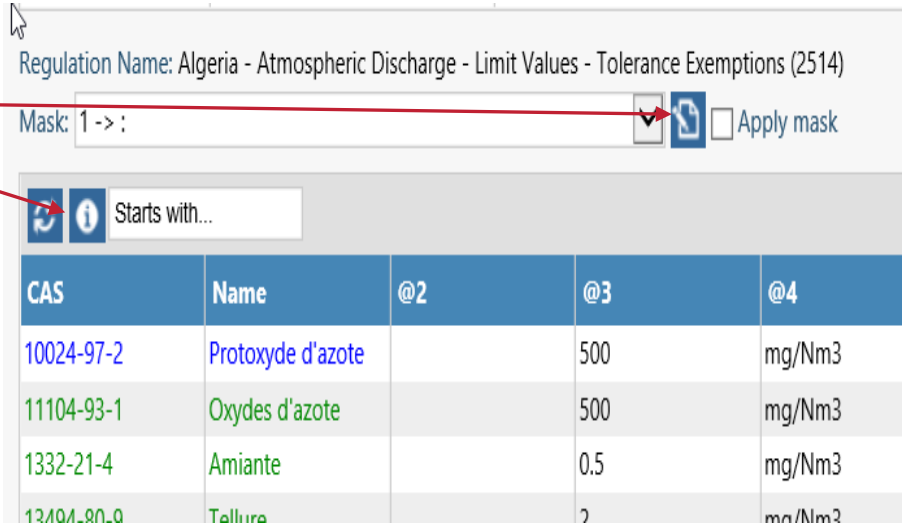
LOLI Loader/Browser redesign (cont.)

- “Data Mask” and “Legends” tabs moved to short-cut design in Tool

Existing



New



Questions

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Enhancement Submissions and Voting

November 2021 | WERCS Studio Virtual User Group

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Facilitators

- Laura Campbell
- Josh Larkin
- Desiree Sparella
- Sara Stephens

Enhancement Submissions for Voting

- Expand the visibility into more component data inputs that are used by the GHS wizard to show within the Component Classification screen in the GHS Wizard.
- Expand the Subsection where used screen (extended uses) to show all applicable application settings applicable to the selected subformat.
- Create a way to connect the SDS distribution to a moving target of email addresses, per individual order. We have an email address for the purchaser, how do we get it into the system without manual entry?
- Allow for more secure locking of PDF documents per publish (unlike the existing functionality that gives you the option to always lock or never lock PUBLISHER > ISPDFSECURE)
- Additional custom fields that are captured when publishing with possible universal custom fields across all subformats (for historical reporting purposes from T_PDF_MSDS table). (Need more than the five custom fields available.)
- Improve the subformats to Print screen for better use/flow.
- Allow multiple Publish Base Sets to be defined with a description for use. Where users can choose to Publish using a Base Set users will be able to choose from the available base sets.

Enhancement Submissions for Voting

- Flags on products for active/discontinued
- Product/aliases selectors to show the users last X amount of products they recently worked on/looked at so you can easily get back to your most recent product.
- Add options to show printable/non-printable sections in the full document preview.
- In BOM, Mass Update, has a check box for “includes models”. Would like a save feature on the models checked rather than redoing this selection every time.
- Published documents, would like a refresh button to populate SDS as they are generated by the publisher, rather than exiting and re-entering the published documents icon.
- Job Queue – include more details on what type of submission was submitted. Ex: “Process AGHS Rules” rather than just “Process Rules”.
- Label Publisher – give more visibility into what label templates have been published in the published documents screen.

In the works…..

- White paper access
- Improved process for submitting phrase translation disputes and phrase suggestions for GCS Phrase Library
- Transportation Wizard – technical name selection and removal of dependency on EU DPD historic classification set - keep a look out for this in 2022
- LOLI data translation – improvement process in the works to incorporate alphanumeric information pulled from the ChemADVISOR Regulatory Database into Studio

In the WERCS….

- Is there a way to have a field only appear on a subformat for a specific language? For example, Germany requires the WGK waterclass (I include in section 15) but also section 7 storage class information. On the EGHS, I would only want this to appear for DE but not for any of the other languages. Is this possible? What are your suggestions for handling if this is not possible?
    - Limited language sections
- More "remember my selection" across more screen such as the All published documents screen.
    - Available with release 71.20.0 (coming very soon!!!)

Need more information

- In-Application SDS Distribution Error Correction for resending an SDS.
- It would be nice if the transportation wizard worked the same way sections 2/3 did so we could just send the information and have it make the SDS automatically.
- Can you automatically run the transportation section 14 based on the composition information in section 3 when you hit complete all pages?

Voting Process

2021 WERCS Studio User Group: Enhancement Voting

This poll will close at 8:00 PM EST on Friday, November 12.

* Required

1. Please enter your name *

Enter your answer

2. Please enter your company email address *

Enter your answer

3. Please select your top 3 priorities from the options listed below. (Take care to only select one enhancement for each priority.)

	First Priority	Second Priority	Third Priority
Expand the visibility into more component data inputs that are used by the GHS wizard to show within the Component Classification screen in the GHS Wizard.	○	○	○
Expand the Subsection where used screen (extended uses) to show all applicable application settings applicable to the selected subformat.	○	○	○

Closing Remarks

Thank you for joining the
2021 WERCS Studio User Group!