Release 12.0 Content

Chemistry Manager Enhancements

1. Intelligent Substance-Material Management for BPR
2. Chemistry Manager
   A. Reg. Wizard Search Panel
   B. Reg. Wizard Clearer Text Labels
   C. Reg. Info. (RI) Details & Results
3. New MDS version containing no regulatory substances

Other Enhancements

4. Spare Parts and related Application Code check changes
5. Enhance Warnings Inbox Checks
6. Remove German Material Names
7. Update Recyclates

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Chemistry Manager Enhancements:
1. BPR Intelligent Substance-Material Management

Current
• Chemistry Manager allows requests and regulatory information for all substances listed on GADSL (substance list “Biocides (GADSL)) and all material classifications.

Issue
• A substance might be used in a material class for which the substance is not suitable for biocidal use, causing unnecessary BPR requests to be sent.

Enhancement
• Intelligent Biocide Flagging
  o Extra checks while adding substances to Material MDSs to make sure that a substance is used in a material class that is eligible for BPR flagging
  o Internal processing matrix added which maps Material classifications to Product Types
  o Biocide updates can be requested and/or provided only as specified in the Matrix.
Chemistry Manager Enhancements: 1. BPR Intelligent Substance-Material Management

Order of checks:

• Is the added substance a biocide according to GADSL?
  No ➔ Material is not eligible for BPR regulation/don’t allow regulation info request.
  Yes ➔ Check the material class in the (Material classification/product type) Matrix

• Is the Material class expected to be relevant for the specified product types?
  No ➔ Material not eligible for BPR regulation. No creation of new regulation requests or releasing of regulatory information will be allowed.
  Yes ➔ Material eligible for BPR Regulation. Allow request & release of regulatory information.

Existing non-eligible Material MDSs:
• Cleaned
• Open regulation requests disabled
• New regulation requests prevented

The existing BPR substances added background task will have these checks added
Chemistry Manager Enhancements:
1. BPR Intelligent Substance-Material Management

Biocide applicability by Product Type & Mat’l Classification (1of2) {In Review, not Final}

<table>
<thead>
<tr>
<th>Class</th>
<th>Class Description / Product Type</th>
<th>PT 2</th>
<th>PT 6</th>
<th>PT 7</th>
<th>PT 8</th>
<th>PT 9</th>
<th>PT 11</th>
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### Chemistry Manager Enhancements:
#### 1. BPR Intelligent Substance-Material Management

**Biocide applicability by Product Type & Mat’l Classification (2of2) {In Review, not Final}**

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<thead>
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<th>Class</th>
<th>Class Description / Product Type</th>
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PT 2: Disinfectants and algaecides not intended to apply on humans/animals

PT 6: Preservatives for products during storage

PT 7: Film preservatives

PT 8: Wood preservatives

PT 9: Organic & Polymer preservatives

PT 11: Preservatives for liquid-cooling and processing systems

PT 12: Slimicides

PT 13: Working or cutting fluid preservatives
Chemistry Manager Enhancements: 
2A. Regulation Wizard: Search Panel

Current

- Chemistry Manager regulation wizard version 1.0, capabilities are based upon anticipated expectations of what types of search results would be necessary

Issue

- Anticipated capabilities are not sufficient for desired operation
- Filters are too limited, queries are too general, 500 MDS limit gives incomplete results

Enhancement

- Regulation Wizard Search Panel refinements
  - About a dozen changes to improve refinement of search results
  - Reduce impact on system performance while providing more meaningful results
  - Allow users to find more value in using the regulation wizard
### Chemistry Manager Enhancements:
#### 2A. Regulation Wizard: Search Panel

1. **Save default search criteria:** Fields in red will be saved

![Image of the Regulation Wizard Search Panel]

- **Name, ID, Version, Date**
  - **Name**
  - **Internal Mat.-No.**
  - **Language**
- **Supplier MDGs, Own MDGs/Modules**
  - **accepted MDGs**
  - **own MDGs**
  - **own Modules**
- **Regulatory Information**
  - **Regulation**
  - **REACH**
  - **Chem./Component**
  - **Produced in or imported into EEA?**
  - **Material imported?**
  - **Authorization status**
- **Annex XIX Material**
- **Ownership**
  - **own**
- **State of information**
  - **Last version released**
  - **from**
  - **to**

![New button] Clear Criteria ![Save Criteria] New button

**Regulation Request**
- **Sent or received request**
  - **Sent a request for regulation update**
  - **Not yet sent a request for regulation update**
  - **Received request for regulation update**
- **Date of first request**
  - **from**
  - **to**

**MATERIAL DATA SYSTEM**
2A. Regulation Wizard: Search Panel

2. Allow multiple selection of substances from Substances list
   • Search with multiple CAS-No for both BPR and REACH materials
Chemistry Manager Enhancements:

2A. Regulation Wizard: Search Panel

3. New Search Option: "Annex XIV Substance" on (Semi)Component level
   • If the user's search includes a material and a substance, search results will return (Semi)Components containing the latest version of the material and substance.
Chemistry Manager Enhancements:

2A. Regulation Wizard: Search Panel

4.1. Set default ownership:
   - When "accepted MDSs" is checked, ownership is set to "supplied"
   - When "own MDSs" or "own Modules" is checked, ownership set to "own"
4.2 Reset “Regulation Request” checkboxes based on ownership

• When ownership is "own"
  o "Sent a request for regulation update" – unchecked
  o "Not yet sent a request for regulation update" – unchecked

• When ownership is "supplied“, "Received request for regulation update" – unchecked
Chemistry Manager Enhancements:

2A. Regulation Wizard: Search Panel

5. Clearer message when search limit of 500 is reached
   - "The search result is cut at 500 references within [Number of top MDSs] MDSs"
Chemistry Manager Enhancements:
2A. Regulation Wizard: Search Panel

6. New Product Type selections
   • "All selected" – retrieve the MDSs which contain all the selected product types
   • "At least one selected" – retrieve MDSs with at least one of selected product types
Chemistry Manager Enhancements:
2A. Regulation Wizard: Search Panel

7. Regulation field is now mandatory, and the default is blank (instead of REACH)
   • The user must now select between REACH or BPR, there is no initial value set.
Chemistry Manager Enhancements:
2A. Regulation Wizard: Search Panel

8. Avoid scrollbars in the Search Options
   • Regulatory Information box height increased
Chemistry Manager Enhancements:
2A. Regulation Wizard: Search Panel

9. MDS Type
   • Blank (default)
     o Includes all top MDS types
   • Material
   • Component
   • Semi-component
Chemistry Manager Enhancements: 2A. Regulation Wizard: Search Panel

10. “Regulatory information complete”
   • Blank (default)
   • Complete
     o Retrieve only MDSs with full regulation info submitted
   • Partially submitted
     o Retrieve the MDSs with partial regulation info submitted
Chemistry Manager Enhancements: 2B. Regulatory Information - Clearer Text Labels

Current
• Regulatory Wizard (RI) text labels were applied with different text with the same intent

Issue
• Inconsistent and unclear text labels result in confusion and incorrect information
  o The Material level “EEA produced/imported” and “EEA produced” are inconsistent
  o The (semi)component "Produced in EEA or imported into EEA?" is not clear

Enhancement
• Material level:
  o Replace “EEA produced/imported” and “EEA produced” with “EEA produced”

• Semi/Component level:
  o Replace "Produced in EEA or imported into EEA?" with “Produced in / imported into EEA?”
  o Add ? and update tooltip: "This question is about whether a product is eligible for REACH or not. Only if a product is produced in the EEA or imported into the EEA, the answer should be 'Yes' ".
Chemistry Manager Enhancements:
2B. Regulatory Information - Clearer Text Labels

Regulatory Information
- Regulation
  - REACH
  - Material
- Still in production?
  - Yes
  - No
- EEA produced
  - Yes
  - No
- Authorization status
  - [Blank]

Annex XIV Substance

<table>
<thead>
<tr>
<th>Name</th>
<th>ID / Version</th>
<th>CAS No.</th>
<th>EINECS/ELINCS No.</th>
<th>Last application date</th>
<th>Sunset date</th>
<th>Still in production?</th>
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<td>4,4’-Methylenebis[2-chloro...</td>
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<td>905289155 / 1</td>
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</table>

Regulation Wizard
- Produced in or imported into EEA?
  - Yes
  - No
- Material imported?
  - Yes
  - No
- Authorization status
  - Yes
  - No

Is at least one production site of the component in the EEA?
Chemistry Manager Enhancements:
2C. Regulatory Info: RI Details and Results

Current
- Regulatory Information (RI) version 1.0, capabilities are based upon anticipated expectations of what types of RI would be necessary

Issue
- Anticipated capabilities are not sufficient for desired operation
  - In the RI result screen, there is no MDS part Number.
  - In the RI details screen, there is no "Product Type" in the filter list.
  - In the RI details screen, header "Biocidal property desired in finished article/product?" unclear.
  - The REACH Annex XIV download report lacks Part, Sub-Part (lowest Component) substance info.

Enhancement
- Regulation Wizard Search Panel refinements
  - Add Part Number column
  - Add "Product Type" filter
  - Change "Biocidal property desired in finished article/product?" column name
  - Add new download report option for "Combined Download"
### Chemistry Manager Enhancements:

#### 2C. Regulatory Info: RI Details and Results

1. **Part Number added to Regulatory Information (RI) Results**

<table>
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<tr>
<th>Name</th>
<th>ID / Version</th>
<th>Part/Item No</th>
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<th>Material imported?</th>
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Chemistry Manager Enhancements:

2C. Regulatory Info: RI Details and Results

2. Filter for Product type
Chemistry Manager Enhancements:

2C. Regulatory Info: RI Details and Results

3. Terminology update:
   - Current: Biocidal property desired in finished article/product?
   - New: Biocidal property required in finished article/product?
Chemistry Manager Enhancements:

2C. Regulatory Info: RI Details and Results

4. Download RI Report: Add substance Regulatory Information to reported component, material and substance responses download capability
   - Available for REACH (Semi) Components only; not available for BPR, or for materials
   - "Combined Download" will contain substances regulatory information
   - Impacts performance, as it increases the result set
Chemistry Manager Enhancements:
3. New MDS version containing no regulatory substances

**Current**
- If no regulatory relevant substances are present in the latest version of an MDS, but were present in previous versions, the MDS remains Reg. Info. eligible

**Issue**
- Chemistry Manager should elegantly manage clean Reg. Info on latest version MDSs
  - The Recipient chain can create Reg. Info requests, but supplier cannot respond
  - The regulation wizard can be opened, but no reg. info. is found, or can be released

**Enhancement**
- Modify Chem. Mgr. so MDSs no longer containing reg. relevant substances are ineligible
  - Chem. Mgr. auto-release “clean” Reg. Info for latest MDS versions without relevant substances
  - Auto release auto resolves all open Reg. Info requests & marks MDS RI complete
  - Subsequent MDS versions with Reg. relevant substances will operate as normal

**Advanced Interface Impact**
- Download: The Reg. Info. versions will show the latest version is clean
- Upload: The existing check will be adapted to handle clean latest versions
   • When the current MDS version no longer contains Reg. relevant substances, a dialog informs the user of the automated release of the clean Regulatory Information.

![MDS - MATERIAL DATA SYSTEM](image)
2. Viewing clean regulatory version
   • Released regulatory information for MDSs without relevant references
     o MDS’s structure will display normally, with an empty line called "no more X included“
     o "X" = appropriate description for currently selected regulation (e.g. "REACH substances")
Chemistry Manager Enhancements:
3. New MDS version containing no regulatory substances

   • If the latest MDS version is clean prior to release implementation, User can manually release a new version of regulatory information without the need to answer any questions.
Chemistry Manager Enhancements:
3. New MDS version containing no regulatory substances

4. MDS ingredients for clean regulatory information version
   • Questions asked for the regulation will be empty. The table for the references will include a hint about the fact that no more references are included.
   • When the MDS currently selected does not match the clean regulatory information version, the red colored hint about additional substances will be displayed as usual.

*) no regulatory information available, because the reference is not included in this version of the regulatory information
4. Spare Parts and related Application Code check changes

Current
• IMDS does not differentiate between Production part and Legacy spare part MDSs
• All MDSs with application codes beyond the sunset dates produce check warnings

Issue
• Legacy spare part MDSs for products sold before the application code sunset date should not produce check warnings, as the application code remains valid

Enhancement
• New “Legacy Spare Part” flag for (Semi)Component MDSs.
  o Available for all to use with all recipients. App. code warning off only if checked for all recipients
  o If a valid app. code is applied as a Tier-1 override, the spare part flag may reset or be ignored.
  o The flag is not available on referenced (sub-level) MDSs, and the warning will re-occur
  o Not available for searches, but displayed in the InBox and OutBox Search results

Advanced Interface impact
• The "Legacy Spare Part" field is added to the MDS Business Objects
4. Spare Parts and related Application Code check changes

Checked: Recipient uses only as a legacy service part
Not checked: Recipient is / may be using as production part

A Help Icon "?" provides additional information about correct use

Spare part flag use is optional, as the supplier may not know if the part is used exclusively as a service part

Flag is on the Recipient info tab, rather than the Ingredients tab, to allow setting for each recipient
5. Enhance Warnings Inbox Checks

Rule 3.2.2.A: A new customer part number requires a new MDS unless informed otherwise by customer.
Rule 3.2.2.B: The same customer part number (or supplier code) with updated content requires a new MDS version (same IMDS ID, higher version number).

Current
• Rule 3.2.2.A check does not produce a violation for any product No. / supplier code combination used on any previously accepted version of the MDS.
• Rule 3.2.2.A and B check runs only for the supplier, and not in the recipient InBox

Issue
• If multiple Item/Supplier combos were previously accepted for an MDS, all are valid.
• If a supplier sends/proposes with an exception to these checks, the recipient is not aware

Enhancement
• The Rule 3.2.2.A check will now accept only the most recently accepted combination.
• The Rule 3.2.2.A check violation results will display for the supplier and in the recipient InBox
5. Enhance Warnings Inbox Checks

- Warning: 'A new recipient part number or supplier code requires a new MDS ID’.
- Warning: ‘The combination of the part number 'xxx' and supplier code 'yyy' has already been used for the MDS ID(s) ....'
6. Remove German Material Names

Current
• The material name, trade name and remark fields support English and German

Issue
• New regulations and functionality render bilingual material names less useful
• German and English are no longer the two predominant languages of IMDS users

Enhancement
• Remove support for entry of material name, trade name and remarks in German.
• Henceforth, all data entry must exclusively use English

Advanced Interface impact
• Upload: Entries in German data fields will be ignored.
• Download: German material name will be sent if populated. If no value, then empty.
6. Remove German Material Names

1. Material MDSs in edit mode
   - Users no longer have the option to select the language (upper right corner)
   - Existing German names will be removed from the database
   - If English name is empty, the German name will be moved to English name

2. Released Material MDSs
   - Default view is English
   - German names may still be viewed
   - On copy, the German material name will not be propagated
6. Remove German Material Names

3. MDS Search/ Where-Used analysis/ Regulation wizard
   • Option to select the search language has been removed
   • Both English and German name fields considered for legacy Material MDSs  {In discussion, not final}
     ○ Search results will display in language where match is found (English if match for both)
7. Update Recyclates

Current
• Recycled content percentage may be entered in semi(components) for material references in classifications 1.x-4.x Metals, 5.x Polymers, 7.1 Organics, and 7.2 Glass/Ceramics

Issue
• Suppliers report no recyclate in IMDS submission, then report recyclate after follow-up
• Suppliers report recyclate content for single MDSs in too broad a range, e.g. 0% - 100%

Enhancement
• The default is removed for the existing question “Does the material contain recyclate?”
• A range limited is added for the recyclate upper and lower range percentage values
• *Recyclate questions appear for MDSs referencing Metals (1.x – 4.x)*

Advanced Interface impact
• AI - Answer to recyclate question will no longer default to “No”, answer required.
• AI - The Recyclate percentage ranges will be checked
7. Update Recyclates

- The current default value of “No” will be removed, and no default will be provided.
- A check Error will occur if the question is not answered with a “Yes” or “No”.
- A check Error will occur if the min & max value ranges exceed a specified value *(initially 20)*.