

International Material Data System

June 06, 2025

IMDS Production rollout planned for Saturday and Sunday, July 05/06, 2025

Preliminary IMDS Release 15.0 Information

Functional Changes

1. Dynamic SVHC

Some substances are only treated as SVHC under certain conditions.

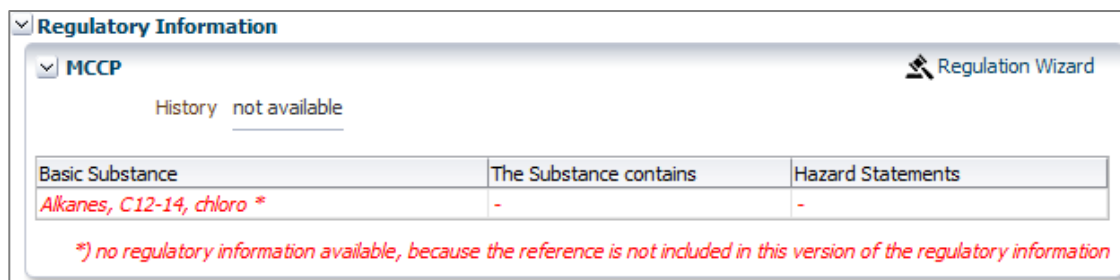
This affects all parts of the system that refer to SVHC (display of the substance in an MDS's tree or MDS report, searching for the substance via the tree search or Where-Used-Analysis and inclusion of the substance in SCIP submissions).

For more details about scenarios in which certain substances are treated as SVHC, please check the enhancements listed below.

2. MCCP regulation

A new substance group is introduced for MCCP (medium-chain chlorinated paraffins).

A new regulation type for MCCP is made available in the regulation wizard (also known as Chemistry Manager). This regulation type generally behaves the same way as other regulation types like BPR or REACH:



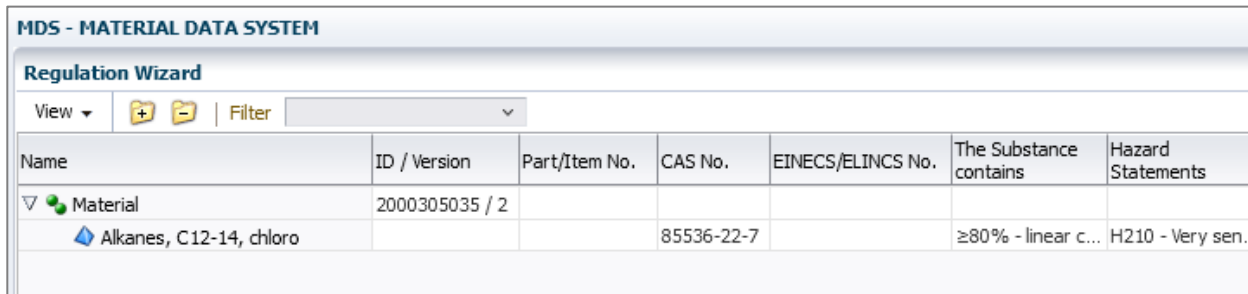
The screenshot shows a software interface for regulatory information. At the top, there is a tab labeled 'Regulatory Information' with a dropdown arrow. Below it, a sub-tab 'MCCP' is selected, also with a dropdown arrow. To the right of the 'MCCP' tab is a 'Regulation Wizard' icon. Below the tabs, there is a 'History' link and the text 'not available'. A table is displayed with three columns: 'Basic Substance', 'The Substance contains', and 'Hazard Statements'. The first row of the table contains the text 'Alkanes, C12-14, chloro *' in the first column, a hyphen '-' in the second column, and another hyphen '-' in the third column. Below the table, a red note states: '* no regulatory information available, because the reference is not included in this version of the regulatory information'.

Basic Substance	The Substance contains	Hazard Statements
Alkanes, C12-14, chloro *	-	-

* no regulatory information available, because the reference is not included in this version of the regulatory information

Image 1: Missing regulatory information for MCCP as displayed in the ingredients details of an MDS

International Material Data System



Name	ID / Version	Part/Item No.	CAS No.	EINECS/ELINCS No.	The Substance contains	Hazard Statements
Material	2000305035 / 2					
Alkanes, C12-14, chloro			85536-22-7		≥80% - linear c...	H210 - Very sen..

Image 2: Filled out regulatory information for MCCP as displayed in the regulation wizard

For each MCCP substance in a released material, two fields can be filled out in the regulation wizard:

- The substance contains
- Hazard statements

The options for “the substance contains” are:

- None
- ≥80% - linear chloroalkanes with carbon chain lengths within the range from C14 to C17
- ≥45% - by weight of chlorine in chloroalkanes with carbon chain lengths within the range from C14 to C17

The options for “hazard statements” are all hazard statements according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), plus an option to declare the substance as “not classified”.

Both fields are mandatory and allow for multiple selections, but “none” and “not classified” may not be selected along with any other option in the corresponding list.

All MCCP substances will be subject to the “Dynamic SVHC” handling (see above) to be marked as SVHC if either no regulatory information is provided or if “≥80% [...]” has been selected for the substance in the latest version of regulatory information. For the purpose of treating an MCCP as an SVHC, the selection of “≥45% [...]” is irrelevant.

3. Show rest as range

Portions defined as “Rest” will be displayed as ranges with minimum and maximum values in case there is at least one other reference on the same level defined with a range.

The fix value displayed as the “Rest” value prior to release 15.0 represented the reference’s weighted mean and will still be available accordingly.

International Material Data System

This change affects all cases where portions are used:

- Substances and Materials referenced in Materials
- Materials and Semi-components referenced in Semi-components

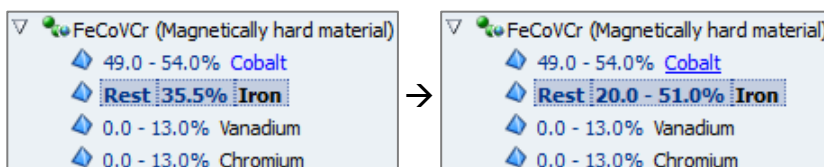


Image 3: Comparison of displaying rest portions as a range (display prior to release 15.0 on the left, display after release 15.0 on the right)

Affected references will be treated as range portions where applicable. E.g., it will be possible to find occurrences of the material above using the Where-Used Analysis when searching for 40% - 50% iron. That is because this range lies within the calculated range for iron, whereas before IMDS Release 15.0 the material would not have been found, because the rest value of 35.5% lies outside of this specified range.

4. Product Carbon Footprint (PCF)

Overview

It is now possible to enter carbon footprint information for all Modules/MDSs in IMDS. Carbon footprint information is split into two sections:

- Product carbon footprint, which is entered in the ingredients section and is based on the production site(s) where the product is manufactured.
- Transport carbon footprint, which is entered for each recipient of an MDS and represents the transportation of the product from a production site to a specific customer site.

Carbon footprint information for components is entered as “kg CO₂e / component”, while for semi-components and materials the unit is “kg CO₂e / kg of material”.

Like regulatory information, new versions of both product carbon footprint and transport carbon footprint information can be created without requiring a new version of the Module/MDS. However, contrary to regulatory information, carbon footprint information is assigned to individual versions of Modules/MDSs. While the information is transferred when creating a new version of a Module/MDS, different versions of the same Module/MDS do not share the same carbon footprint information.

No carbon footprint information is provided for Published Standard MDSs and unlike regulatory information, it is not possible to enter carbon footprint for references to such MDSs.

International Material Data System

PCF Contact Person

A new type of contact person is introduced: the PCF contact.

A contact of this type is required for each entry of product carbon footprint information. Like MDS contacts, companies have a “Default PCF Contact”, which will be displayed in case the originally assigned contact is no longer active or no longer responsible for PCF.

Product Carbon Footprint/Production Sites

Production sites are shown in a table in the details panel of a Node/Module/MDS. Any number of production sites can be added. Once the product carbon footprint information for a production site has been released, it cannot be removed anymore, but only discontinued (see below).

Product Carbon Footprint								
PCF of referenced MDSs		4,222 kg CO ₂ e / component (89.13% w/w defined) ?						
PCF per production site		☒ ☐ show discontinued production sites						
Region	Country	Zip or Postal Code	Total PCF (including biogenic)	Time Period	TeR	TIR	GeR	PDS
Europe	Germany		10	2023-01-29 - 2024-01-29	3.5	2	2.75	80
Europe	France		12	2023-01-29 - 2024-01-29	2	3	3	50

Image 4: List of PCF production sites

This table shows a summary of the details that can be viewed in the dialog that is also used for adding and editing production sites:

MDS - MATERIAL DATA SYSTEM
Version Editable

Production Site
Update to Org.-Unit
Region: Global
Country:
Zip or Postal Code: Subdivision:
DUNS No.:

PCF Contact
PCF Contact:
E-Mail:
Telephone No.:

Standards and Verification
Standard / Rulebook:
Certification / Verification done by appointed 3rd party:
Further details / link:

Product Carbon Footprint
PCF of referenced MDSs: 4,222 kg CO₂e / component (89.13% w/w defined)
Total PCF (excluding biogenic): kg CO₂e / component
Total PCF (including biogenic): kg CO₂e / component
Time Period: mm/dd/yyyy - mm/dd/yyyy
Exempted emissions: %
Exempted emissions description:

PDS / DQR
PDS: %
Technology (TeR):
Time (TIR):
Geography (GeR):

Detailed GHG emissions
Carbon Content

Release Apply Cancel

Image 5: Editing a production site.

The main identifier for a production site is the location information entered in the top left section of this dialog. It is not possible to change this information in future versions of a

International Material Data System

production site, except for adding additional information (e.g., specifying a zip code if it was not yet defined in the previous version).

It is possible to leave the default selection “Global” as the location for a production site without adding additional details, but no two production site entries for the same Module/MDS can have the same location information.

The read-only field “PCF of referenced MDSs” is also available above the table of assigned production sites. It displays the sum of PCF for all nodes/Modules/MDSs directly referenced inside the selected one by adding the lowest Total PCF value among all active production sites for each reference. The portion in brackets indicates for which portion of the referenced nodes/Modules/MDSs PCF information is available. In components, this portion is calculated based on weight.

The values are calculated as follows:

- Calculation of PCF_{MDS} (PCF of referenced MDSs)
 - For each reference: $PCF_{min} = \min(\text{Total PCF incl. biogenic})$ of active production sites
 - For component MDSs:
 - For each reference by quantity: $PCF_{ref} = PCF_{min} \times \text{quantity}$
 - For each reference by weight: $PCF_{ref} = PCF_{min} \times \text{weight in kg}$
 - For semi-component and material MDSs:
 - For each reference: $PCF_{ref} = PCF_{min} \times \text{portion}$ (weighted mean or fix value)
 - $PCF_{MDS} = \sum(PCF_{ref})$
- Calculation of POR_{MDS} (portion of references with PCF information)
 - For component MDSs:
 - For each reference by quantity: $POR_{ref} = \text{measured weight} \times \text{quantity}$
 - For each reference by weight: $POR_{ref} = \text{weight}$
 - $POR_{MDS} = \frac{\sum(POR_{ref})}{\text{calculated weight}}$
 - For semi-component and material MDSs:
 - For each reference: $POR_{ref} = \text{portion}$ (weighted mean or fix value)
 - $POR_{MDS} = \sum(POR_{ref})$

These values do not represent an accurate calculation of PCF as they do not consider emissions during manufacturing of the selected product and only consider the lowest Total PCF among the production sites for each reference. Instead, this should be seen as a reference point to compare the entered Total PCF to. There is a check (see below) resulting in a warning in case the entered value is lower than the calculated one shown here.

The PDS (primary data share) and DQR (data quality rating, split into technology, time and geography) are the only fields that are visible to downstream companies except for direct customers (see “Visibility to downstream companies”).

International Material Data System

Hidden inside the collapsed “Detailed GHG emissions” and “Carbon Content” boxes at the bottom of the dialog are additional optional fields, which are set to “0” by default. In case their value is changed to anything but “0”, the boxes are automatically opened when displaying the dialog to make the user aware that these fields have been changed.

Apart from the disabled fields and the “exempted emissions description”, all fields in this dialog are mandatory. A check ensures that everything is filled in correctly before releasing a new version of PCF information. A new sheet for PCF related checks is added to the [warnings errors in imds.xlsx](#) file linked in the [FAQ](#) showing all checks that are applied when saving or releasing PCF information.

It is possible to “discontinue” a production site. A discontinued production site is not available for selection when entering transport carbon footprint (see below) and will be highlighted in both the list of production sites and when opening its details dialog. In case transport carbon footprint has already been entered referencing a discontinued production site, the system offers to automatically discontinue all related transport carbon footprint information, too. Discontinued production sites can be reactivated by creating a new version.

Transport Carbon Footprint/Transport routes

Outgoing transport carbon footprint information is shown in a table in the details panel of an MDS’s recipient. Any number of transport routes, represented by a combination of production site and customer site, can be added. Once the transport carbon footprint information for a transport route has been released, it cannot be removed anymore, but only discontinued (see below).

Product Carbon Footprint				
Outbound Transport CF		☒ ☐ show discontinued production sites		
Region	Country	Zip or Postal Code	Customer Site	Outbound Transport CF
Europe	Germany		Paris	

Image 6: List of transport routes

This table shows a summary of the details that can be viewed in the dialog that is also used for adding and editing transport routes:

International Material Data System

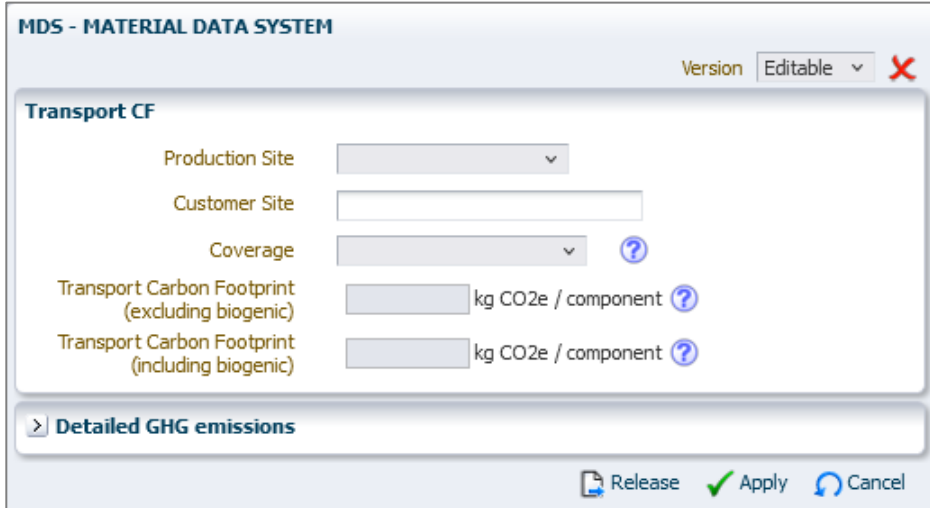


Image 7: Editing transport carbon footprint

The main identifier for a transport route is the combination of production site (which can be selected from a list that contains all active production sites as defined in the MDS's ingredients section) and a customer site. It is not possible to change this information in future versions of a transport route.

It is possible to leave the customer site field empty, but no two transport carbon footprint entries for the same recipient can have the same combination of production site and customer site.

Apart from the disabled fields and the "customer site", all fields in this dialog are mandatory. A check ensures that everything is filled in correctly before releasing a new version of transport carbon footprint information.

The updated [warnings_errors_in_imds.xlsx](#) file mentioned above also contains a list of checks applicable for transport carbon footprint.

It is possible to "discontinue" transport carbon footprint information. A discontinued combination of production site and customer site will be highlighted in both the list of transport carbon footprint information and when opening its details dialog. Discontinued transport routes can be reactivated by created a new version.

International Material Data System

Visibility to downstream companies

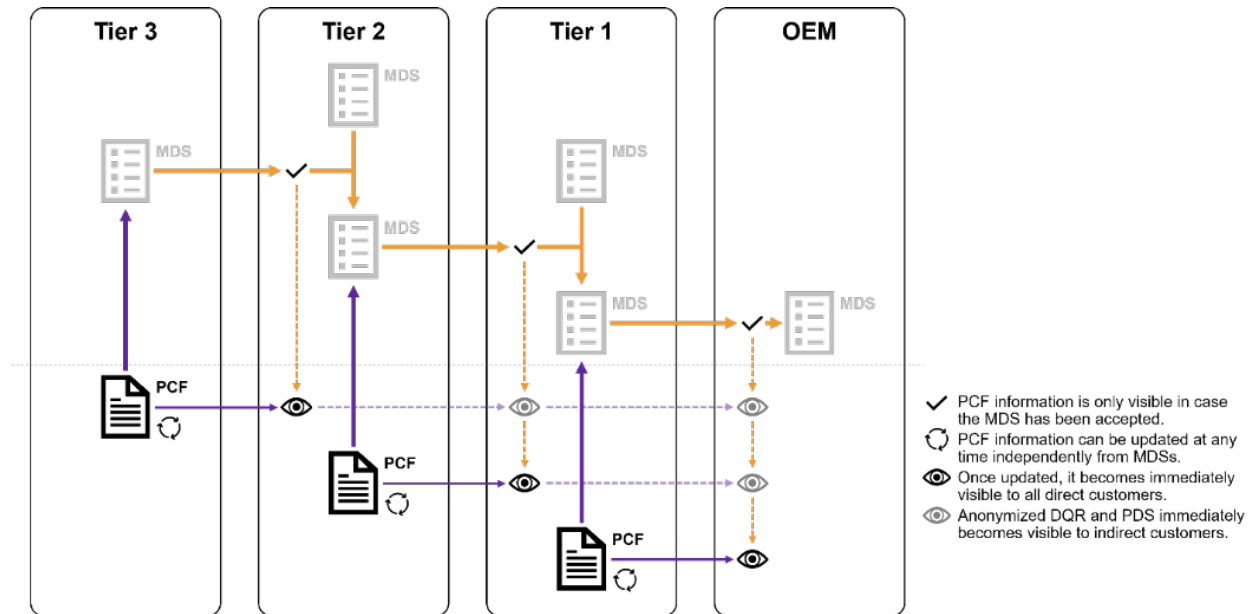


Image 8: PCF data flow and visibility

Carbon footprint information or the lack thereof should not be a reason for rejection of an MDS. For that reason, carbon footprint information only becomes visible in received MDSs once the MDS has been ✓ accepted.

In an accepted MDS, the recipient can see 👁️ all transport carbon footprint information that has been assigned to their recipient entry. They are also able to see all production sites, which have been referenced at least once in the transport carbon footprint section. Other production sites are not visible.

For MDSs referenced inside accepted or published MDSs, only 👁️ partial information is visible: for each visible production site (depending on which sites have been referenced in the transport carbon footprint information for the upstream company as a recipient) only the DQR and PDS values are shown. Neither the exact location of the site, nor the actual carbon footprint values are visible.

In case no transport carbon footprint information is available, all production sites are displayed. For MDSs for which no transport carbon footprint information has been provided and which are referenced inside accepted or published MDSs, as well as for direct nodes inside accepted or published MDSs, only 👁️ partial information is displayed. In case of published MDSs, all production sites are fully visible to all companies.

Whenever new carbon footprint information is released, it 🔄 immediately becomes visible to all affected companies. This includes displaying a new production site's DQR and PDS values for downstream companies after referencing it for the first time in a transport carbon footprint entry.

International Material Data System

Copying / versioning Module/MDSs

When copying a Module/MDS or when creating a new version, all production sites in the ingredients section and all combinations of production sites and customer sites in the recipient section are copied to the new Module/MDS.

Only the latest version of carbon footprint information is copied and becomes the first (editable) version in the new Module/MDS.

In case the latest version of carbon footprint information is marked as discontinued, it is not copied.

PCF Updates Email

A new type of subscription email has been added: "PCF Updates"

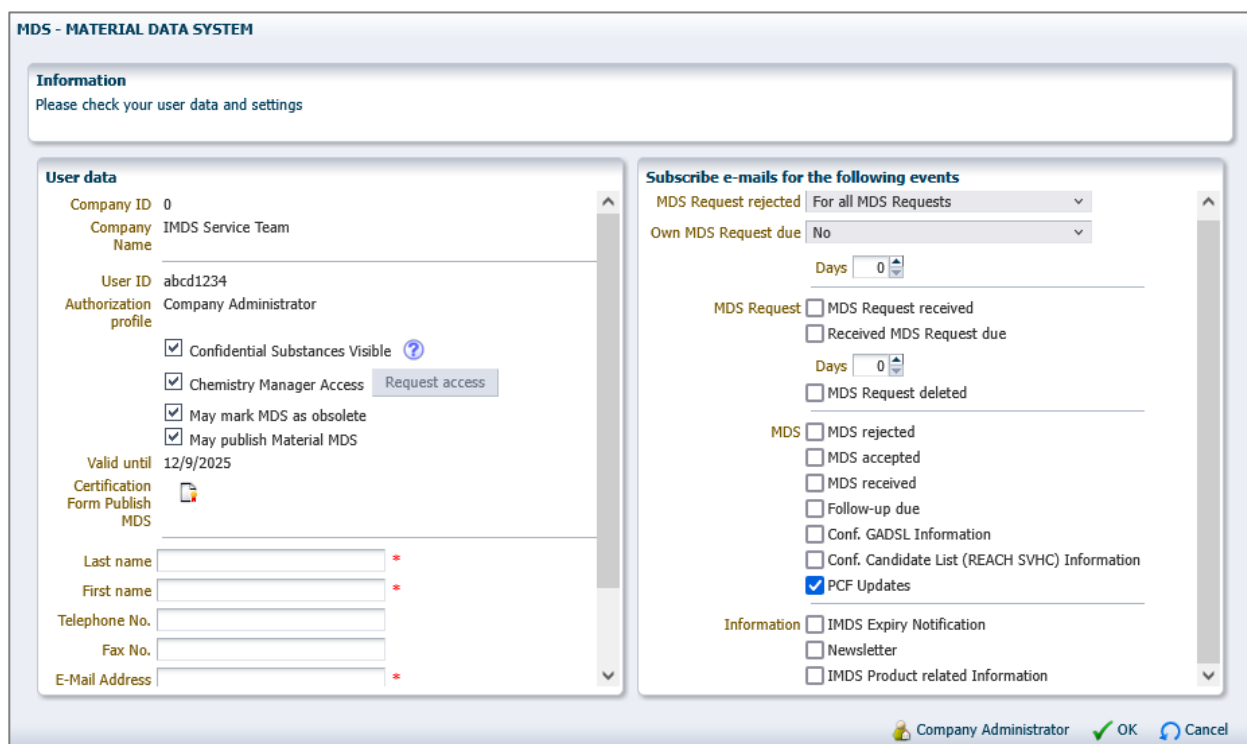


Image 9: The "PCF Updates" checkbox in the Personal Settings dialog

Users subscribed to this service will receive a weekly email about accepted MDSs for which their supplier has updated Product Carbon Footprint or Transport Carbon Footprint data over the course of the past week.

As full carbon footprint information is too complex to include in a single email for multiple production sites and transport routes in multiple MDSs, only the information

International Material Data System

which data has been updated is included, while details can be found in the online system:

Dear user,							
Suppliers of your company Test Company [0] have released new Product Carbon Footprint and/or Transport Carbon Footprint information since 03/01/2025:							
MDS ID/Version	Name	Part/Item No.	Supplier	Production Site Updated	Production Site Discontinued	Transport CF Updated	Transport CF Discontinued
2000370603 / 1	First MDS	P/N-A	Supplier A [12345]	X		X	
2000359413 / 1	Second MDS	P/N-B	Supplier A [12345]		X		X
2000359021 / 1	Third MDS	P/N-C	Supplier B [67890]			X	
2000369401 / 1	Forth MDS	P/N-D	Supplier B [67890]	X			

Image 10: Example of a PCF Updates email

5. Updated User Privileges (Preview)

IMDS now offers more detailed options to manage user privileges. While in prior IMDS releases, user privileges were dependent on both the user's profile and additional individual access rights such as "Chemistry Manager Access" or "May mark MDS as obsolete", the new system solely relies on individual privileges. These privileges include access to features that previously were covered by profiles.

To simplify user rights management, the system provides "presets" of privileges. These presets cover similar combinations of access rights the previous profiles and can be used to quickly assign all privileges associated with a specific role.

Available Privileges

The following is a list of all available privileges which can be granted to or revoked from each user:

Privilege

MDS: accept/reject/follow-up
MDS: copy accepted/published MDSs
MDS: copy own modules/MDSs
MDS: edit components/semicomponents
MDS: edit materials
MDS: forward
MDS: mark as obsolete
MDS: mark as still valid
MDS: move MDSs between Org.-Units
MDS: publish components/semicomponents
MDS: publish materials

Privilege

MDS Request: create/send
MDS Request: reject/assign MDSs
MDS Request: search inbox
MDS Request: search outbox
Regulatory Information: edit
Regulatory Information: view/request
PCF: edit
PCF: view
SCIP Submissions: search
SCIP Submissions: submit
Substances: create request



International Material Data System

MDS: search inbox	Substances: search/view
MDS: search outbox	Company: edit
MDS: search where-used analysis	Users: edit
MDS: search/view	Contacts: edit
MDS: search/view obsolete	Contacts: search/view REACH contacts
MDS: send/propose	Admin: certification
MDS: view/mark confidential substances	Admin: trust users
	Statistics: view

Table 1: List of available privileges

Many privileges have dependencies, e.g. for a user to have the “MDS: accept/reject/follow-up” privilege, they also require the “MDS: search inbox” privilege. IMDS automatically identifies missing prerequisites, informs the Company Administrator accordingly when modifying a user (see Assigning Privileges and Presets).

Presets

For companies that do not want to use this level of detailed control, presets are available. Presets work similarly to profiles in prior IMDS releases and allow company administrators to quickly set up a user e.g. as a “Company Administrator” or “User”, with all the required privileges for that role.

After a user has been set up with a preset, their individual list of privileges can be modified at any time.

The following presets are available:

- User
- User (read-only)
- Company Administrator and User
- Company Administrator only

The “User” and “User (read-only)” privilege are based on the profiles with the same name.

The “Company Administrator and User” preset is based on the “Company Administrator” profile, as it includes privileges necessary to manage the company, contacts and users, as well as the privileges necessary to work with MDSs, etc.

The “Company Administrator only” preset is new and only includes the privileges to manage the company, contacts, users, etc. It does not include any privileges to work with MDS related data.

International Material Data System

Both in the details and the search results of the Administration > User screen, the field showing a user's profile is replaced with the preset best matching the user's current set of privileges.

In case the privileges granted to a user are no exact match to a preset, the best matching preset is shown including a plus (+), minus (-), or asterisk (*) character:

User data

Last name *

First name *

Authorization preset

Telephone No.

Fax No.

E-Mail Address *

Valid as of 

Valid until 

Image 11: Display of Preset in user details

User ID	Last name	First name	Company ID	Company Name	Organisation unit	Authorization preset
00000000000000000000000000000000	Doe	John	0	IMDS Service Team		User +

Image 12: Display of Preset in user search result

A plus (+) next to the preset name means that the user has been granted additional privileges, which are not part of the displayed preset (“User” in the example above). A minus (-) indicates that at least one of the privileges which are part of the displayed preset has been revoked from the user. An asterisk (*) is displayed in case additional privileges have been granted while others have been revoked.

International Material Data System

Assigning Privileges and Presets

Clicking the “Add/Remove Privileges” button in the user detail screen opens the following dialog:

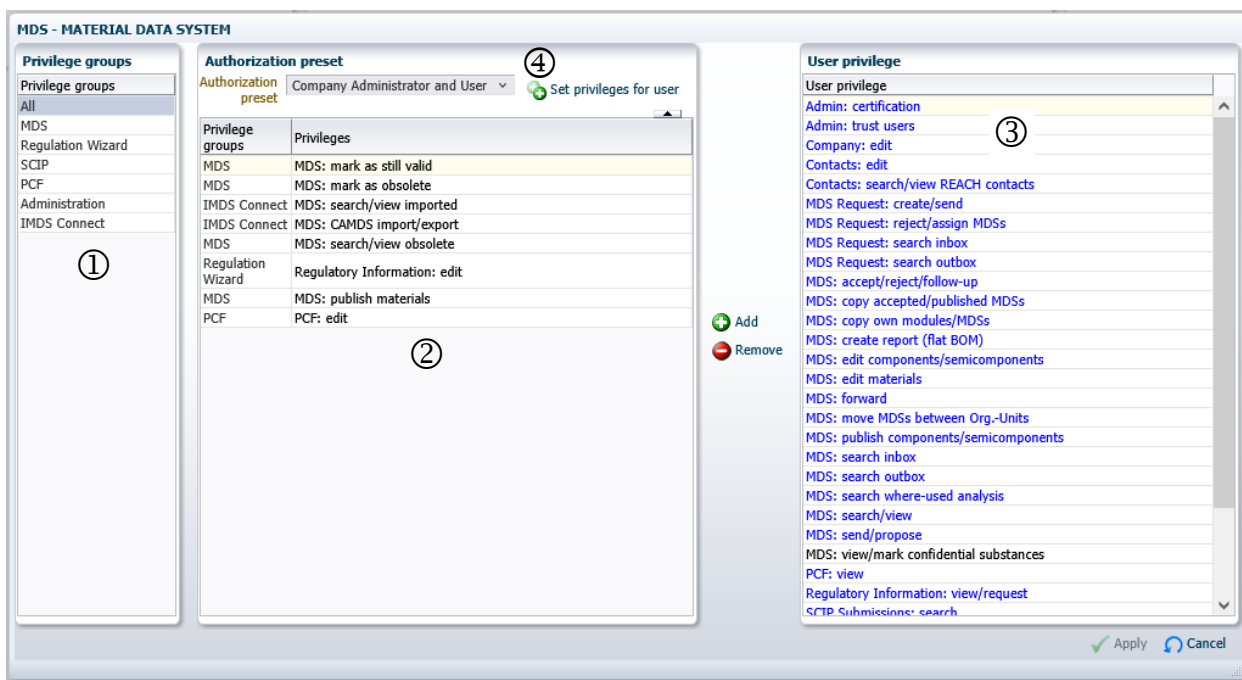


Image 13: Dialog to edit Privileges and Presets

The “Privilege groups” list on the left ① allows filtering the privilege table in the middle. By default, “All” privileges are shown.

The middle privilege table ② shows all privileges of the selected group, which are not yet granted to the user, while the “User privilege” list on the right ③ shows all privileges already assigned.

By selecting one or more entries in the middle table and clicking “Add”, the privileges are granted to the user. By selecting one or more entries in the list on the right and clicking “Remove”, the privileges are revoked. In case one privilege is dependent on another, the system automatically grants or revokes the corresponding privileges and displays a message accordingly:

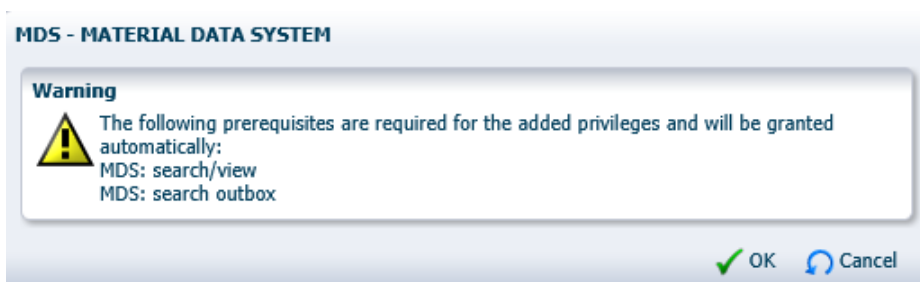


Image 14: Example of a dialog showing dependent privileges automatically being added



International Material Data System

Choosing a preset in the top center of the dialog ④ serves two purposes: first, all privileges associated with the selected preset are highlighted in blue. Second, by clicking the “set privileges for user” button, the user’s list of granted privileges is set to the selected preset. All other privileges previously granted are revoked but can still be manually granted afterwards.

Migration

No privileges are revoked during the rollout of release 15.0 and all existing users will still have the same access rights as before. This includes individually granted access rights like “Chemistry Manager Access” or “May mark MDS as obsolete”, which were not part of a profile.

Additionally, the privilege to view regulatory information in read-only mode will be granted to all users, who are not yet allowed to edit it.

Please note that by default PCF information will not be editable and the “PCF: edit” privilege must be granted first.

International Material Data System

Check Changes

1. Mandatory regulatory information

When sending, proposing, or publishing an MDS for which regulatory information can be entered (including nodes and referenced Standard MDSs), an  error message will be displayed in the check result in case regulatory information has not been entered (status  “no reg. info. provided yet”). There are no such messages when releasing a Module or MDS internally.

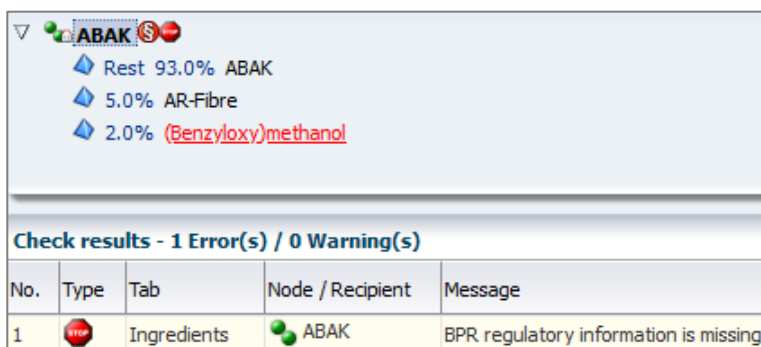


Image 15: Error in check result for missing regulatory information

If regulatory information is available but does not match the MDS's composition (status  “incomplete”), a  warning message is displayed instead.

Please note that regulatory information can still only be entered if at least one version of the MDS has been released. E.g., a newly created material in version 0.01 which contains regulated substances, cannot be sent, and has to be released and proposed instead.

There are no messages in the check results for incomplete or missing regulatory information within referenced Modules or MDSs.