



IMDS-a2 User Manual

Version 15.3

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Preface

This User Manual describes the use of the IMDS-a2.

The use of the International Material Data System (IMDS) will not be described here.

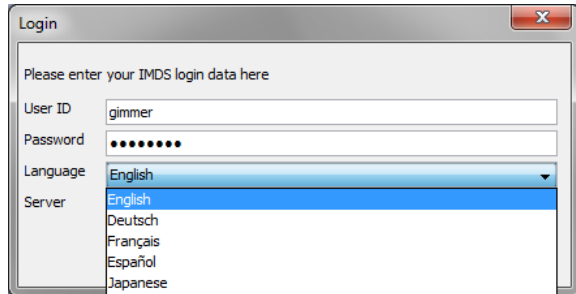
In order to learn about the IMDS and to efficiently use it we recommend training (see <https://public.mdsystem.com/web/imds-public-pages/imds-training-courses>) and the training material available:

https://public.mdsystem.com/documents/10906/16811/imds_usermanual_15.2_en.pdf

Working with the IMDS-a2

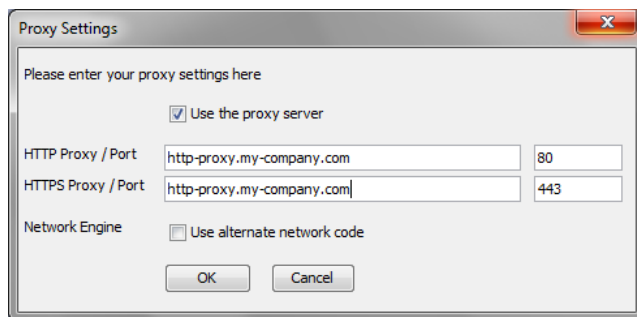
Login

To log-on to the IMDS-a2 you can use your IMDS User ID and password. Furthermore, you can select your preferred language from those available. A reminder, although IMDS prompts are available in several languages, English is the preferred language for the data fields.



Proxy Settings

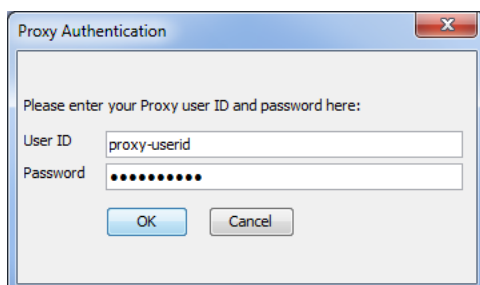
When your PC is located in a company network and accesses the internet through a firewall, you must enter the proxy settings for the IMDS-a2 at the first login from the PC. By clicking “Settings” in the Login dialog you can access the “Proxy Settings” screen. This action must be performed manually the first time a2 is used on a computer. The proxy settings will not be captured from Java or your browser.



Tick the “Use the proxy server” checkbox and enter the HTTP and HTTPS proxy server names and ports. If the information is not available from your browser’s Tools > Internet Options > Connections > LAN Settings tab, your company’s network administrator can provide you with this information.

The setting “Use alternate network code” should be disabled.

Depending on the configuration of your proxy server, you will receive a dialog similar to the following after pressing “Login” in the IMDS-a2 Login dialog. You have to enter your internet proxy User ID and password here – not your IMDS User ID and password. The exact format of the dialog will depend upon the version of Java Runtime you are using.

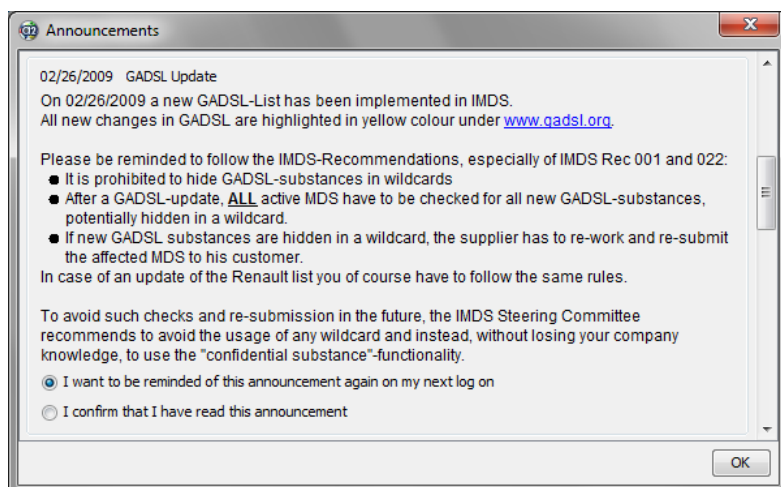


If you still experience connection problems after entering the correct proxy settings, select “Use alternate network code” and try to connect again.

Announcements

After a successful login, the IMDS-a2 checks for announcements on the IMDS Server. Announcements are important messages like changes in the GADSL, that you are asked to confirm.

If there are announcements available that you have not yet confirmed, a window like shown in the following picture:



Announcements are listed one below the other, each one with two options available:

- I want to be reminded of the announcement again on my next log on
- I confirm that I have read the announcement

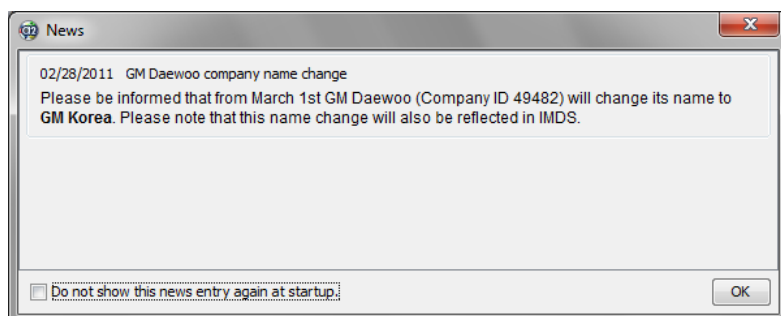
By default, the first option is set for every announcement.

If this window is open, you cannot work with the IMDS-a2. To close the window, press the “OK” button in the lower right corner. Be aware, that every announcement, for which you did not select “I confirm that I have read the announcement” before closing the window, appears again, when you log on the next time.

If you close the announcements by pressing the red “X” button on the top right of the window, you can work with the IMDS-a2, but no announcement will be confirmed, regardless of what options you selected: Confirmation is only possible by clicking “OK”.

News

After a successful login and after closing potential announcements, the IMDS-a2 checks for news on the IMDS Server in the language you selected at login and displays any items in a window similar to the picture below. The news items typically contain important information about IMDS such as planned downtime announcements, release notes, Company renamings, etc. ...



New items are always displayed. If you do not want repeat showings of an unchanged news entry at login, you can click on the checkbox “Do not show this news entry again at startup.” This prevents already viewed news items being displayed at a2 startup, but has no influence on new news entries.

After login, the IMDS-a2 regularly checks for news on the IMDS Server. In case new information becomes available, the news window is redisplayed to the user, independent of the checkbox setting described above.

If you want to see the current news you can redisplay the news window using the menu Administration > News.

Main Window

The IMDS-a2 Main Window is the base for all working windows and provides general functionality.



Toolbar Buttons



The Toolbar Buttons either perform an action in the currently active window/tab or open new windows. The function of each is explained in more detail in the following section.



Create new datasheet – Opens an empty window to create a new datasheet (MDS) or Module.



Save datasheet in IMDS – The currently active MDS/Module is transferred to IMDS and stored there.



Save datasheet as “new version” or “new datasheet” to IMDS – The currently active MDS/Module is saved and transferred to IMDS as a new version or a new datasheet.



Basic Substance Request – Opens the Basic Substance Request Window, starting with the Search screen. Here you can search for existing Requests or create Requests.



Request Search – Opens the MDS-Request Window, starting with the Search tab. Here you can search for existing Requests (either own or received) or create Requests.



In Box – Opens the In Box Window (Received), starting with the Search tab. Here you can search for received datasheets.



Out Box – Opens the Out Box Window (Sent), starting with the Search tab. Here you can search for sent datasheets.



Where-Used Analysis– Opens the Where-Used Analysis Window, starting with the Analysis Criteria/Search tab.



Check MDS – Starts checking the activated MDS to comply with the IMDS check procedure – this function is available only from the ingredients tab.



Examiner – Starts analyzing an MDS according to given criteria – this function is available only from the Ingredients tab.



REACH – Starts analyzing an MDS according to given criteria – this function is available only from the Ingredients tab.

-  Compare MDSs – Starts the MDS/Module comparison – two different MDSs/Modules can be compared.
-  Start Search – Starts searching the IMDS data with the criteria given in the active Search, In Box or Out Box Window.
-  Print – Creates a .pdf file of the Result Table from a specific search. This file can be printed or saved to the hard drive.
-  Component Search Window – Opens a component view/update window, starting with the Search tab.
-  Semicomponent Search Window – Opens a semicomponent view/update window, starting with the Search tab.
-  Material Search Window – Opens a material view/update window, starting with the Search tab.
-  Substance Search Window – Opens a substance view window, starting with the Search tab.
-  MDS/Module Search Window – Opens an MDS/Module view/update window, starting with the Search tab.
-  Open Dashboard Window – Opens the Dashboard window.

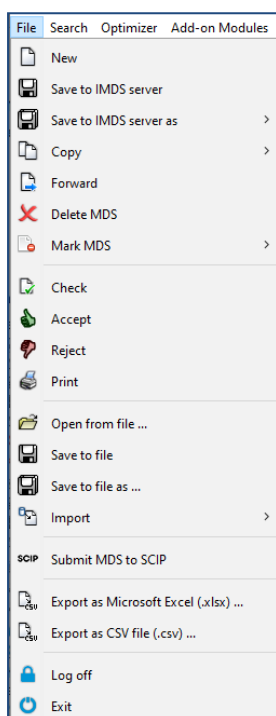
Menus

There are seven menu items.

- File
- Search
- Optimizer
- Add-on Modules
- Administration
- Windows
- Help

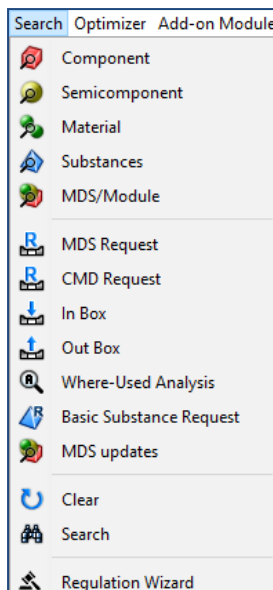
For a complete description of the menu items, please see “Summary of Available Functions”.

• File



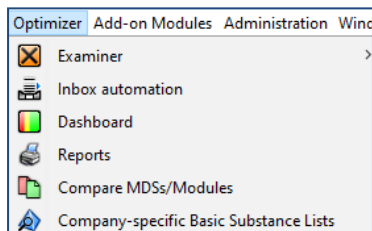
This menu provides the functionality to create a new MDS/Module or to save an MDS/Module on your local hard drive or on the IMDS server. It further allows you to open an existing MDS/Module from your hard drive, to import and create a structure from a .csv file or to delete an own MDS/Module on the IMDS server or mark one as obsolete/unobsolete. All these functions refer to the active work window and the selected datasheet.

- Search



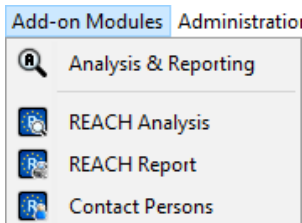
This menu option allows the user to open various search windows along with the In Box and Out Box. It provides the functionality to execute the respective search and to reset search fields to their default values. The [Regulation Wizard](#) is only visible for users with the appropriate access rights.

- Optimizer



The Optimizer menu provides several functions to optimize your IMDS work. With the Examiner you can check MDSs according to given criteria either on a single MDS or start the Inbox Automation to check incoming MDSs (manually or automatically). You can also use the Dashboard to see the status of MDSs or view a report on a specific datasheet. The Compare MDSs/Modules function allows the comparison of two Datasheets or Modules and displays all differences. In the Optimizer menu you find also the option to create and manage your Company-specific Basic Substance Lists.

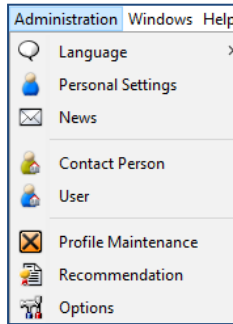
- Add-on Modules



The Analysis & Reporting module allows unlimited analysis of all material data sheets (MDS) of your company with extended analysis capabilities.

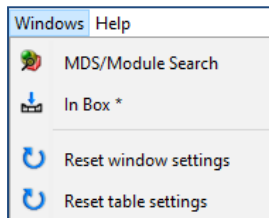
With the REACH module it is possible to analyze own and/or received MDS that are not editable anymore (accepted, internal released, published, ...) in the up-to-date version for REACH-SHVC. A report on the results can be printed and REACH contact persons can be searched for. The REACH Analysis is only available when a REACH module license is active on your user ID. This has to be ordered in addition to the basic IMDS-a2 license.

- Administration



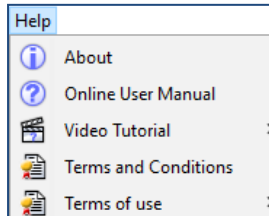
With this menu option you can change the application language, maintain your personal settings, or open the news window displaying current IMDS information. Administration of a company's Contact Persons and Users is only possible in the IMDS Web Application / IMDS Plus. With "Profile Maintenance" you can create and maintain the profiles used by the Examiner and the Inbox Automation. You can also access the Recommendations screen as well as customize your a2 session with "Options".

- Windows

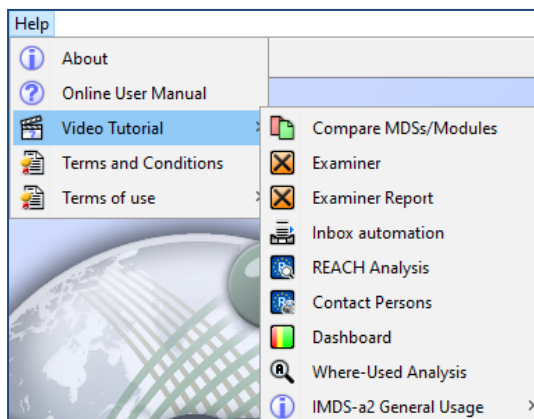


The Windows menu option allows you to see all open windows and to reset your window as well as table settings to the system standard. The current window is marked with a star (*).

- Help



This menu option displays IMDS-a2 version information and allows the user to download the latest IMDS-a2 User Manual. "Adobe Acrobat Reader" is required to view and browse the User Manual as well as the IMDS-a2 Terms and Conditions and the IMDS and CDX Terms of Use. Under Video Tutorial you find several videos on how to use IMDS-a2 functions. The Video Tutorials with regard to an IMDS-a2 menu function are also available in the corresponding function's window.



General functions within the IMDS-a2

Selection of multiple rows

The user can select multiple result rows by using the Ctrl- or Shift key and process them by using Drag and Drop. They can be dropped into any target that accepts multiple rows like the MDS tree or the a2 Analysis.

Multiple selection is also available in all kinds of search result tables for Component, Semicomponent, Material, Substance, MDS/Module, In-/Out-Box, Company, MDS Request.

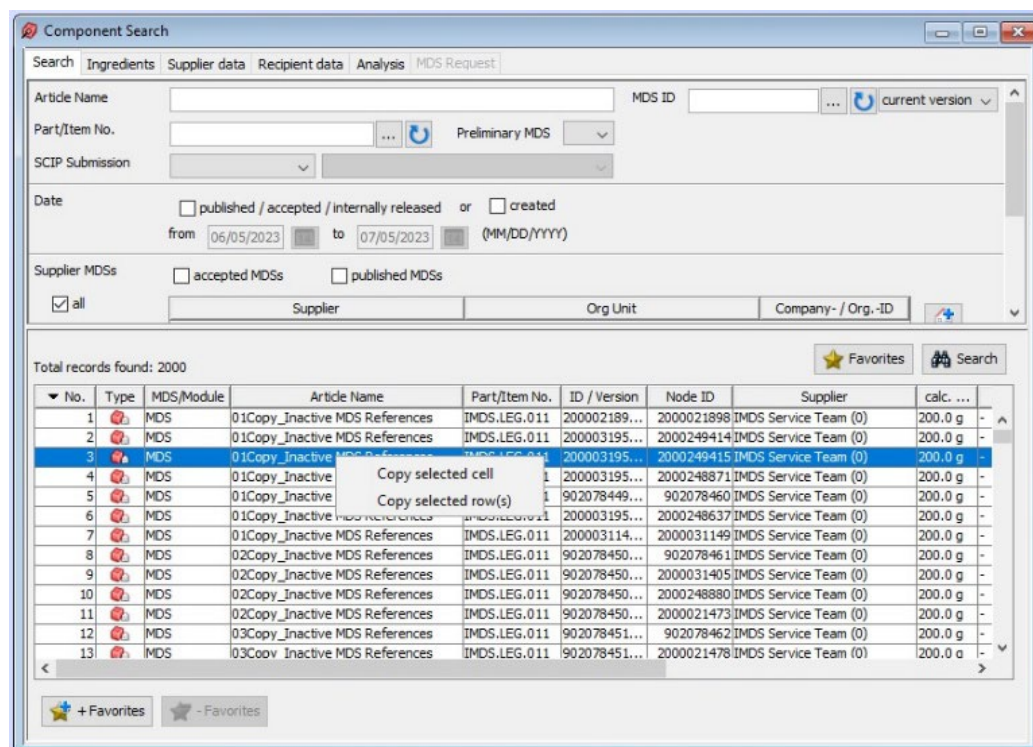
It is also possible to add/remove multiple pre-selected entries in the search result table and the to/from Favorite list. To add/remove pre-selected entries just select several entries and then press "+ Favorites" or "- Favorites"-button.

There is a Video Tutorial available on how to select multiple rows under the menu item Help.

Copy data from any table in IMDS-a2

There are 2 choices in the right-click menu. The first button is used to copy the value of the selected cell, which will be marked with a dotted frame when a user clicks on it using a left mouse click, as shown in the second screenshot. The second button is used to copy the entire value of the selected row (or rows if multiple rows are selected).

Ctrl+C can only be used to copy the value of the selected cell as shown in the second small screenshot below.



4		MDS	01Copy_Inactive MDS References	IMDS.LEG.011
5		MDS	01Copy_Inactive MDS References	IMDS.LEG.011
6		MDS	01Copy_Inactive MDS References	IMDS.LEG.011

Calendar control

To simplify date input a calendar control is available for all date entry fields. Pressing the button beside the date field the control appears displaying the current month and highlighting the date. The chosen date will be transferred into the date field in the correct format. This function is available in the following screens: MDS Request, In-/Out-Box, REACH Analysis, Component/Semicomponent/Material/MDS-Module -Search windows.

Personalization

Most of the a2 windows save their size information when closed by the user. Opening them again the previous height and width of the window is restored. The same applies to the column order, column width and visibility of columns in search result tables.

- Restoring of window sizes when returning to the screen
- Restoring table columns and sort order when reusing a certain function

available for the following windows:

Component Search	MDS Updates
Semicomponent Search	InBox Search
Material Search	OutBox Search
Substance Search	Where-Used Analysis
MDB/Module Search	Profile Maintenance
Recipient Data	Company Search
MDS Request Search	REACH Contact Person Search
CMD Request Search	REACH Analysis Frame

View / Update Windows

For each MDS type, a separate view/update window is available. In the following examples the component window is displayed – other view/update windows are available for Semicomponents, Materials and all datasheets. There is a separate search/view window for Basic Substances. These windows can be opened independently from each other and remain in the working area of the IMDS-a2 until the user closes them (e.g. with the button “Apply & Close”) or exits a2.

Each view/update window contains six tabs – although the Supplier data, the Recipient data and the MDS Request tabs will not be available for IMDS modules:

- Search
- Ingredients
- Supplier data
- Recipient data
- Analysis
- MDS Request (only available if the MDS is attached to a request)

The “Search” Tab

This tab allows the user to enter the search criteria. Depending on the field, the search criteria can be typed (e.g. Article Name) or selected from the drop-down menus (e.g. Origin, Version).

A supplier can be selected by clicking the  Button at the right hand side of the data entry field.



Clicking the Search button in the toolbar executes the search with the selected criteria and the results are displayed at the bottom of the active window.

Alternatively, the “Search” button in the active window can be used to execute the search.

The results of the search are displayed in a result table.

Component Search

Search Ingredients Supplier data Recipient data Analysis MDS Request

Article Name

Part/Item No. ...

Preliminary MDS MDS ID current version

SGRP C. Analysis

Date ☐ published / accepted / internally released or ☐ created
from 02/28/2022 to 03/31/2022 (MM/DD/YYYY)

Supplier MDSs ☐ accepted MDSs ☐ published MDSs

☒ all

Supplier	Org Unit	Company- / Org.-ID

☐ save list

Own MDSs/Modules ☒ own MDSs ☒ own Modules
Assigned Org Unit ☐ last edited by me
Assigned Contact ☐ obsolete

Total records found: 6

★ Favorites 🔍 Search

No.	Type	MDS/Module	Article Name	Part/Item No.	ID / Version	Node ID	Supplier
1	MDS	Compare 1		-	2000025600 / 0.01	2000025600	IMDS Service Team
2	MDS	Compare 1.1		-	2000025600 / 0.02	2000025635	IMDS Service Team
3	MDS	Compare Demo v2.0		-	900329865 / 3.01	2000025559	IMDS Service Team
4	MDS	Compare Demo v2.01		-	900329865 / 3.03	2000025590	IMDS Service Team
5	MDS	Compare Demo v2.01		-	900329865 / 3.02	2000025570	IMDS Service Team
6	MDS	Compare Demo v4		-	900329865 / 4	2000222975	IMDS Service Team

< >

★ + Favorites ☆ - Favorites

There is an option to search for multiple part numbers at once. Pressing "..." opens the search dialog:

Search for multiple Part/Item No.

Please enter one Part/Item No. per line. Invalid or duplicate no.'s will be removed when pressing OK.

Part/Item No.

T-2. 32262
TORX 4322
TORX 4322 1000W
YDA16-2101

☐ Ignore Spaces

Import OK Cancel

The following format requirements are applied:

- There must be one Part/Item No. per line
- Max length of 50 characters must not be exceeded (if there are more than 50 char., they are removed)
- No wildcards supported
- Invalid or duplicate lines are removed when pressing "OK"

If you tick the "Ignore Spaces" option, the search will ignore all leading, middle and trailing spaces.

The Import button allows you to import a .txt file containing Part/Item No's. The same format requirements as above are applied.

Clicking the OK Button removes invalid or duplicate lines. The Search window is now in Multiple Part No. search mode and no entry of a single Part No. is possible.

Article Name

Part/Item No. ... Preliminary MDS MDS ID current version

SCIP Submission

This mode can be reset to single Part No. search by clicking the Reset icon .

The order of the columns in the result table may be changed by using the mouse to click on and select the column heading and dragging the column to another location.

Total records found: 6401

No.	Type	MDS/Module	
1		MDS	â& Sen
2		Module	*Test-Co
3		Module	*Test-Co
4		MDS	& Sende
5		MDS	.040 HD
6		MDS	.040 HD
7		MDS	.040 HD
8		MDS	0.63SQ
9		MDS	0.63SQ
10		MDS	0.63SQ

The triangle in the column header shows how the information is sorted – both field and direction. Clicking on the column header will sort the result table by the selected column in ascending order. A second mouse click will change it to descending. Module ID / Version are sorted numerically. Within MDSs with the same ID, the version is sorted.

When searching for a published material, the companies ILI, IMDS-Committee and Stahl und Eisen Liste are preset as preferred companies and the option “Preferred MDSs” will be checked by default. The Search for “Preferred MDSs” will return the IMDS Standard MDSs (ILI Metals, SC Committee, Steel and Iron list) and published warning-free MDSs since IMDS Release 10.0. Unless the “all” box is checked or the supplier companies list is supplemented, the result table only contains materials published by these three companies. However, this list can be edited and these companies deleted and/or other suppliers added.

Material Search

Search Ingredients Supplier data Recipient data Analysis MDS Request

Name Language ☒ English ☐ German

Internal Mat.-No. Preliminary MDS MDS ID current version

Date ☐ published / accepted / internally released or ☐ created (own MDSs)

from 07/27/2018 to 08/27/2018 (MM/DD/YYYY)

Supplier MDSs ☐ accepted MDSs ☒ published MDSs

☒ Preferred MDSs

☐ all

Supplier	Org Unit	Company- / Org.-ID
IMDS-Committee	---	423
IMDS-Committee / ILI Metals	---	18986
Stahl und Eisen Liste	---	313

Own MDSs/Modules ☐ own MDSs ☐ own Modules

Total records found: 2000

★ Favorites 🔍 Search

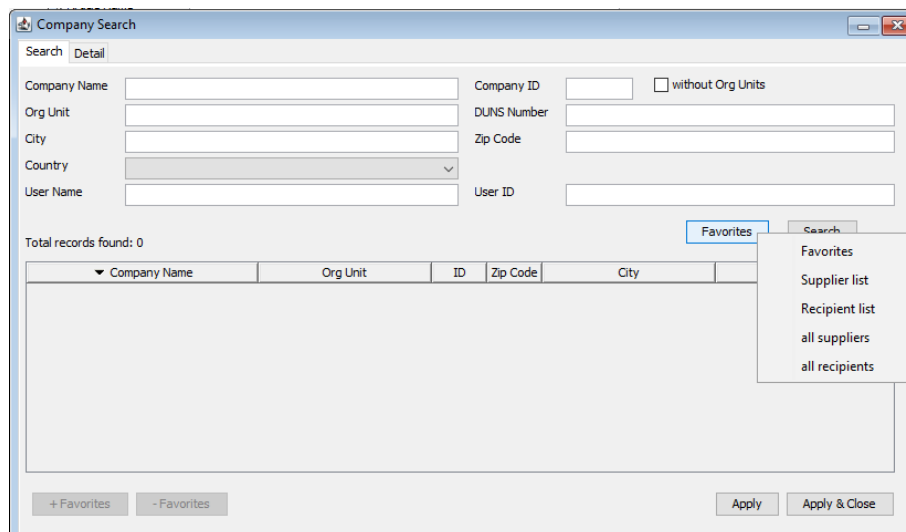
No.	Type	MDS/Mo...	Name, >Symbol<	Trade name	Mat.-No.	ID / Version	Node ID	Supplier	Classification
1	MDS	(Ba/Si)O-nFe2O3 (Magnetically har...	-	-	2.4066	22224097 / 6	142406013	IMDS-Committee (423)	7.2 Ceramics / ...
2	MDS	(S-)Ni99,2	-	-	2.4360	219166864 / 3	219167027	Stahl und Eisen Liste (3...	3.4 Nickel alloys
3	MDS	(S-)NiCu30Fe	-	-	2.4360	221587172 / 2	455587109	Stahl und Eisen Liste (3...	3.4 Nickel alloys
4	IMDS	+ 45N40 (hot-dip aluminized-silicium	-	-	145525920 / 6	611734913	IMDS-Committee (423)	7.1 Aluminized	

★ + Favorites ★ - Favorites

To avoid time-consuming and mostly unnecessary network transfers the amount of transferred search results is limited to 2,000 result rows in a first try. In case more results are available the user is asked if he really wants to transfer all results.

Favorites

You can create a personal Favorites list from the search results that you can use in future searches. The Favorites List is context sensitive and can be recalled with a button click. By clicking on the “Favorites” button in the Company Search, you can select in which Company Favorites you would like to search.

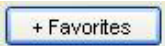


Favorites in Company Search

There are several types of Favorites that can be used in the Company Search:

Favorites	all companies of your Favorite list
Supplier List	the supplier companies selected in MDS search screens
Recipient List	the recipient companies selected in MDS search screens
all Suppliers	all companies that sent MDSs to your company
all Recipients	all companies that received MDSs from your company

Filling the Favorites List

With the button  you can add a selected company from the current search result table to the Favorites List. A Favorites list may contain up to 99 entries.

Using the Favorites List

The button  shows the Favorites List. The current search criteria are not considered but remain in the search screen. If no Favorites List is found, an error message is displayed.

Removing an Item From the Favorites List

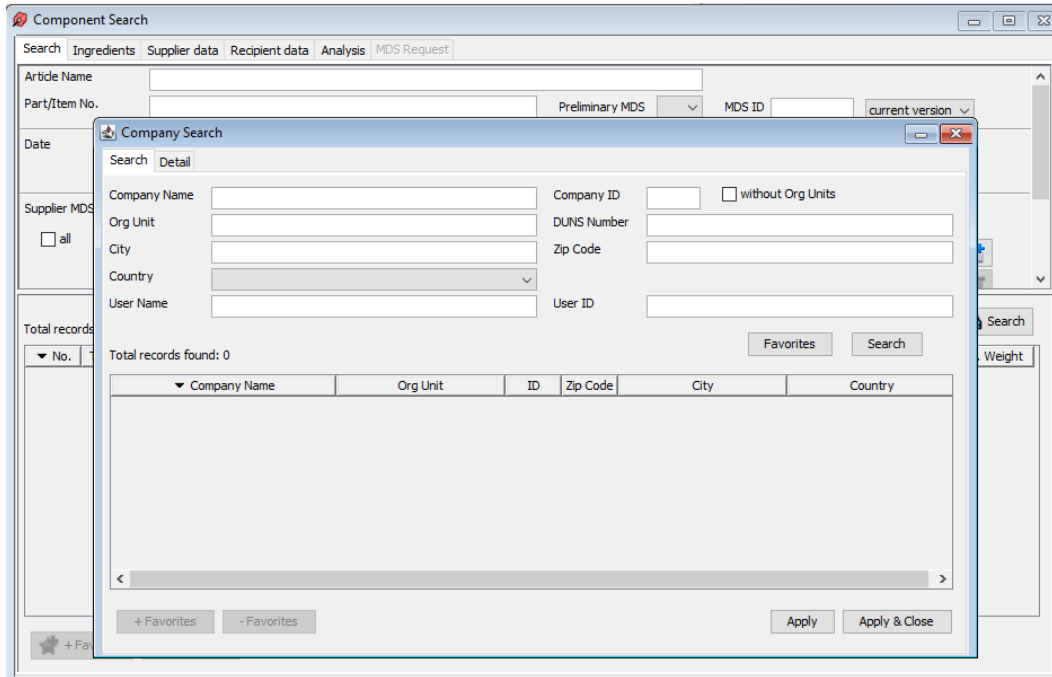
The button  removes a selected entry from the Favorites List.

Favorites Lists are available for the following search screens:

- Component search
- Semicomponent search
- Material search
- Substance search
- MDS/Module search
- Company search
- MDS Request search

Adding Suppliers Through the Company Search Window

After pressing the Company Search Window Button (), a new window appears from which companies can be searched and selected.



Any company in the company search results can be inserted into the Supplier section in the Search tab in two different ways:

- Selecting a company/Org Unit from the search result and clicking the “Apply” button will insert the company name into the Supplier section on the Search Tab
- Using the mouse to drag and drop the company name into Supplier area of the Search tab

After the company name is inserted, the company search window can be left open or minimized for later use. With the button “Apply & Close” the company name is inserted, and the window is closed automatically.

The “Ingredients” Tab

After a search has been performed, the user can select an MDS/Module from the results and click on the “Ingredients” tab. The selected MDS/Module information is then requested from the IMDS server and displayed.

TS OSA - Reach Regulation Sample (909268361 / 1)

Search Ingredients Supplier data Recipient data Analysis MDS Request

Basic Substance List GADSL

Details Recyclate Application

Type: Component (own MDS)

ID / Version: 909268361 / 1 (Node ID 909268361)

MDS Supplier: IMDS Service Team

Description: TS OSA - Reach Regulation Sample

Part/Item No.: 424242

Measured weight per item: 1150 g

Calculated weight per item: 1100 g

Deviation: -4.347826 %

Preliminary MDS: ☒

Create Date: 09/11/2019 Check Date: 09/11/2019

Release Date: 09/11/2019 [Show Recommendations](#)

REACH SVHC CL

Basic Substance	CAS No.	GADSL	g Article	% Article	Article Name	g MDS	% MDS
Chrysene	218-01-9	-DS	60	24	CA-9896	120	10.909091
Lead	7439-92-1	PDS	70	70	Simple Component Node	350	31.818182
Strontium-chromate	7789-06-2	PDS	15	15	Simple Component Node	75	6.818182
Lead chromate	7758-97-6	PDS	30	30	Component	60	5.454545

REACH Annex XIV

Basic Substance	CAS No.	GADSL	g Article	% Article	Article Name	g MDS	% MDS
Strontium-chromate	7789-06-2	PDS	15	15	Simple Component Node	75	6.818182
Lead chromate	7758-97-6	PDS	30	30	Component	60	5.454545

REACH Annex XVII

Basic Substance	CAS No.	GADSL	g Article	% Article	Article Name	g MDS	% MDS
Chrysene	218-01-9	-DS	60	24	CA-9896	120	10.909091
Nickel	7440-02-0	-D-	0.7	3.5	Part is preliminary	3.5	0.318182
Lead	7439-92-1	PDS	70	70	Simple Component Node	350	31.818182

The left side shows the selected MDS/Module as a tree. On the right side the folder 'Details' shows the detailed information for the selected Component / Semicomponent / Material / Substance in the tree structure. When first entering the Ingredients tab, the tree structure is collapsed to show just the Top Node of the tree and the direct children of that node. Clicking on the button will expand the entire tree down to the basic substance level.

Clicking on the in front of a node will expand just that node. Oppositely, Clicking on the will collapse the entire tree to the default view – the top node and it's direct children. Clicking on the will collapse that node.

If applicable, there may be a "Recyclate", an "Application", a "Regulatory Information" or "SVHC/GADSL content" tab associated with a node in the tree. The "Recyclate" tab contains material dependent recyclate information. The "Application" tab contains the applications for the material's substances, the "Regulatory Information" tab displays the relevant regulatory information for the node and the "SVHC/GADSL content" tab displays SVHC/GADSL content of the latest active released version of the selected material..

Material (2000256604 / 1)

Search Ingredients Supplier data Recipient data Analysis MDS Request

Basic Substance List GADSL ☐ show regulatory information

Details Recyclate Application SCIP Regulatory Information SVHC/GADSL Content

Type: Material (own MDS)

ID / Version: 2000256604 / 1 (Node ID 2000256604)

Node count: 6

MDS Supplier: IMDS Service Team

Name: Material

Trade name:

Internal Mat. No.:

Std. Mat. No.:

Symbol: ABS+ASA-CF

Classification: 5.1.a filled Thermoplastics

SCIP Material Category: 66539 - Material category - plastic (and polymers) > other non-halogenated (co)polymers
66540 - Material category - plastic (and polymers) > other halogenated (co)polymers

Additional Material Characteristics:

Norms / Standards:

Inhouse Norms:

Supplier:

Remark: Do not put confidential information in this field, because it will be visible in the supply chain.

Preliminary MDS: ☐

In the middle of the Details tab the Create Date, Check Date and Release Date are visible and the user can access the Recommendations screen listing the Recommendations valid at the Check Date. At the bottom all substances relevant to REACH SVHC Candidate List, REACH Annex XIV or REACH Annex XVII are listed in the corresponding tables to have an at-a-glance view on REACH substances contained in the MDS. For substances with a percentage range the maximum percentage is used for calculation. Open the corresponding

substance in the MDS tree by simply double clicking on a substance in the REACH Regulation tables.

The “Ingredients” Buttons

Depending on the type of MDS/Module and whether it is in edit mode, you may have different buttons available at the top of your structure. The buttons of the “Ingredients” tab allow to attach existing MDSs/Modules or basic substances to the tree structure, delete portions of the tree or perform a search of the tree. Sections of the tree or the entire tree may be expanded or collapsed. The functionality of the buttons is described in the following table.

When IMDS logic does not allow certain functions, the buttons are inactive or grayed out.

	Add a Component reference opens a new window for searching for an existing component
	Add a Semicomponent reference opens a new window for searching for an existing semicomponent
	Add a Material reference opens a new window for searching for an existing material
	Add a Substance reference opens a new window for searching for a substance
	Delete a node deletes the selected node including the sub-tree(s)
	Expand nodes expands all nodes of the tree
	Collapse nodes collapses all nodes of the tree
	Tree search searches the tree for all analysis types supported in the Where-Used Analysis and the Analysis&Reporting module

Basic Substance Lists

The “Basic Substance List” allows you to select a Basic Substance List for filtering your view of the tree structure. There are several options available. The names of Basic Substances that are in the selected list will be displayed in a different color.

The default list is the “GADSL” (Global Automotive Declarable Substance List). Declarable substance names are displayed in blue, while forbidden substance names or substances that are both declarable and/or prohibited are displayed in red.

The GADSL list is the only one that multi-colors the names. If you select another Basic Substance List filter, the names of substances in the selected list are displayed in red.

At the end of the common Basic Substance Lists can you find your company’s [Company-specific Basic Substance Lists](#), if the Company Administrator has created one or more, indicated by the prefix “CS:”.

REACH SVHC candidate substances

Substances that are part of the REACH SVHC candidate list are always displayed underlined in the tree.

Show regulatory information

Once a user ticks this checkbox, several icons will be displayed in the MDS tree showing the state of the [regulatory information](#). When logging off, the state of this checkbox will be preserved, so the user does not need to click the checkbox again every time he logs on to the system. Different icons are displayed next to each node in the tree for which regulatory information is available. The icon is GREEN () if information for all regulations is provided and valid, or RED () if no regulatory information is provided. The yellow icon () highlights nodes that have regulatory information assigned, which are not complete. When modifying the tree (e.g. adding a substance to the loaded material), the icons are updated accordingly.

The “Details” Tab

In IMDS-a2, the presentation of the MDS data is equivalent to the classic Web-IMDS (except the REACH information). For the purpose of this document, it is assumed that the user is already familiar with the IMDS functions and display. In this document, a high-level overview is given. A detailed description of this tab can be found in the IMDS training manual that can be downloaded from the login screen of the web version of IMDS or from https://public.mdsystem.com/documents/10906/16811/imds_usermanual_12.0_en.pdf.

The “Recyclate” Tab

Although associated with the parent semicomponent or component node, the Recyclate tab is displayed on the material level for material classifications of 1 to 5 (all metals and polymer materials).

The “Application” Tab

Although associated with the parent component node, the substance application is required for certain substance families (lead, mercury, cadmium, hexavalent chromium and PAHs). Applications are necessary for these substance families and for nickel for the OEMs to fulfill the requirements of Annex II of ELV-directive and other laws.

The “Regulatory Information” Tab

In the Ingredients tab all regulatory information, including the history, with regard to the [IMDS Chemistry Manager](#) is shown in a separate box.

Since new versions of regulatory information always use the latest released and active version of the MDS as a reference for the list of contained substances, regulatory information cannot be edited within the Ingredients tab. Editing regulatory information will only be possible using the Regulation Wizard. A button in the tree toolbar allows the user to open the Regulation Wizard in a popup window. The opened Wizard will contain all MDSs referenced, within the opened one, for which the user can enter regulatory information. After applying all changes made, the MDS view is updated accordingly. Within the regulatory information box, there will be another button allowing the user to open the Wizard in a popup window. The button will only be available, if the currently selected MDS belongs to the user's company so he is allowed to modify the regulatory information. The opened Wizard will only show the currently selected MDS (in its latest active version). After applying all changes made, the MDS view is updated accordingly.

For accepted supplier MDSs there is also a "Request update of regulatory information" button, which will initiate a request for an update for the displayed MDS – given that the user's company has not already issued an update request for this MDS and its regulatory information is in some way incomplete.

The “SVHC/GADSL content” Tab

Although associated with the parent material or material node, the "SVHC/GADSL content" tab displays SVHC/GADSL content of the latest active released version of the selected material if available.

Printing of Result Tables

From every Search you can print the results as .pdf report containing the results. In this example we generate a report of all own Components:

Component Search

Search Ingredients Supplier data Recipient data Analysis MDS Request

Article Name:

Part/Item No.: Preliminary MDS: MDS ID: current version:

Date: ☐ published / accepted / internally released or ☐ created (own MDSs)

from: to: (MM/DD/YYYY)

Supplier MDSs: ☐ accepted MDSs ☐ published MDSs

☐ all

Supplier	Org Unit	Company - / Org.-ID

☐ save list

Own MDSs/Modules: ☒ own MDSs ☒ own Modules

Total records found: 888

★ Favorites 🔍 Search

No.	Type	MDS/Module	Article Name	Part/Item No.	ID / Version	Node ID	Supplier	calc. Weight
48	MDS	Clip assembly	456456456	904823390	0.0.1	904823390	IMDS Service Team (0)	346.0 g
49	MDS	COA Test intern [SK]	SK.TEIL.3000	905888278	0.0.1	905888278	IMDS Service Team (0)	20.0 g
50	MDS	Comp contains Preliminary	GG-COMP-PREL...	905328984	0.0.1	905328984	IMDS Service Team (0)	100.0 g
51	MDS	Compare Demo v2.0	-	900329865	2	900329868	IMDS Service Team (0)	30.0 g

★ Favorites ★ Favorites

In the Component Search you look for every own MDS or Module. The list can be sorted by the column headers either in ascending or descending order. You can either use the File > Print menu item or the print Tool bar button () to generate the report of the data.

Print options

Report header: my report

Report description: list of all own datas heets

Include: ☒ Date ☒ User ID

☒ Page numbers

Paper size: A4

Paper orientation: Landscape

Company logo:

Rows: 1 to 9999

OK Cancel

In the Print options, you can define the header and description of the report. In the footer you may include the date, User ID and page numbers. As company logo you can use any .gif or .jpg file from your computer. The number of rows defines which sequential rows of the data will be included in the report.

By clicking OK, the report will be generated as a .pdf-file and opened in the installed pdf-viewer. The report can then be printed from the pdf-viewer or saved to the user's hard drive.

Export of Result Tables as Microsoft Excel (XLSX File)

In addition to printing the search results, you may also export the Search results as a MS Excel (XLSX) file. To save the results as a .xlsx file, use the File > Export as Microsoft Excel (.xlsx) ... menu item. You will be asked where to store your export file.

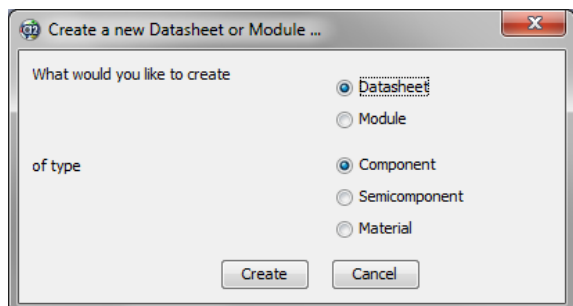
Export of Result Tables as CSV File

In addition to exporting the search results as MS Excel file, you may also export the Search results as a 'comma separated values' (CSV) file. Although "csv" in the US means "comma separated value", frequently users will use a comma in the description which may cause difficulties. In IMDS-a2, the default delimiter is the semicolon (;), but you may define any character you like in the Administration > Options > Export menu item. (Please see "Export Parameters" for a description of how to set your separator character.)

To save the results as a .csv file, use the File > Export as CSV file (.csv) ... menu item. You will be asked where to store your export file.

Creating a New Datasheet

A new datasheet can be created using the respective button  in the toolbar or by selecting **File** from the Menu bar and selecting **New**.



After choosing the type (Datasheet/Module) all Ingredients information can be inserted.

Adding Ingredients Information

All data necessary for creating a new datasheet can be entered in the right side of the ingredients window. The data fields are equivalent to the data fields in the IMDS browser application.

The following example details a component. The procedures of creating the other MDS types are similar. There are differences in the data fields that have to be entered, but these fields are the same as the IMDS browser application.

Type	Already defined, not changeable
ID / Version	Always 0.01 for new datasheets; is set when transferred to IMDS; not changeable
MDS Supplier	User's company; not changeable
Description	Free text to name the new datasheet – should follow IMDS Recommendations
Part/Item No.	Free text
Measured weight per item	Free numbers (stated weight of the item)
Calculated weight per item	Is calculated automatically; not changeable
Deviation	Is calculated automatically; not changeable (deviation between measured and calculated weight)
Polymeric Part(s) marked	(If applicable material is attached) Marking of polymeric parts (classifications 5.*). Depending on the weight of the component, the Parts Marking question may be optional or mandatory.
Preliminary MDS	Yes or no (does this submission reflect a part in development)
Create Date	Shows the date the datasheet was initially created
Release Date	Shows the date the datasheet was released
Check Date	Shows the date the datasheet was last checked
Show Recommendations	Link to IMDS Recommendations
REACH SVHC CL	Displays details of substances (if contained anywhere in the MDS) listed in the REACH SVHC Candidate List, REACH Annex XIV, Annex XVII; not changeable Lists Name, CAS No., GADSL category (D/P) of the relevant substance and their portion (%) related to its Article with the Article Name as well as the portion (%) related to the whole MDS and the weight (g) of the MDS.
REACH Annex XIV	
REACH Annex XVII	

Using Drag and Drop to Add to Tree

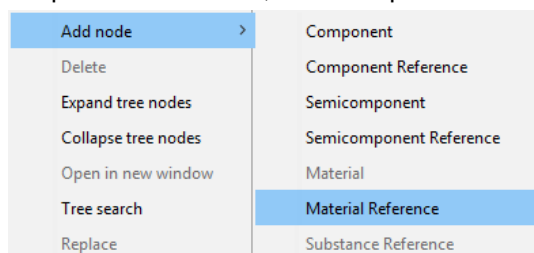
A simple way of adding existing elements to a new datasheet is to use Drag & Drop in IMDS-a2. While you may use the buttons on the Ingredients page to initiate a search, you can also use the search buttons from the main toolbar.

Open a Search window of the element you want to add (Component/Semicomponent/Material/Substance) by using one or more of the following:

- the Main Window buttons or the appropriate button from the Ingredients page

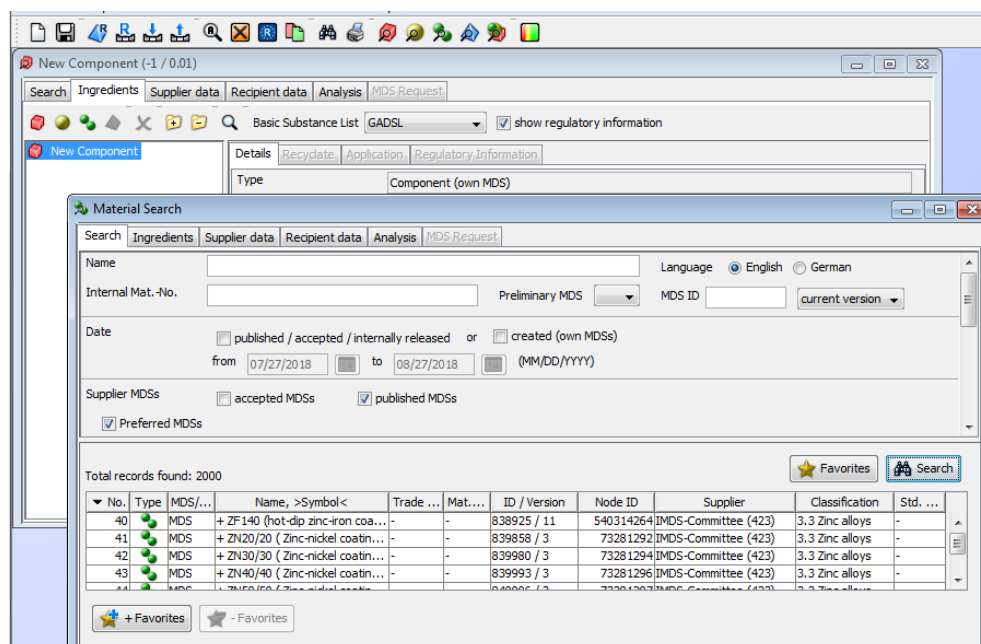


- the right mouse button to click on the parent node and selecting the “Add node” option and selecting either Component Reference, Semicomponent Reference or Material Reference:



An appropriate Search window is opened in which you can search for the requested elements.

After a successful search, the desired MDSs/Modules can be dragged from the Search Window results and to the “parent element” within the new datasheet. The general rules of the IMDS online system regarding combination of elements apply in IMDS-a2.



Adding a New Component or Semicomponent Directly into the Tree

As in the IMDS browser version, components and semicomponents may be added to the tree. These exist only in the tree structure and do not need to be “released” separately. To create a component or semicomponent in this manner, right click with the mouse on the parent node and select the “Add node” option. Then select either Component or Semicomponent

Add node	>	Component
Delete		Component Reference
Expand tree nodes		Semicomponent
Collapse tree nodes		Semicomponent Reference
Open in new window		Material
Tree search		Material Reference
Replace		Substance Reference

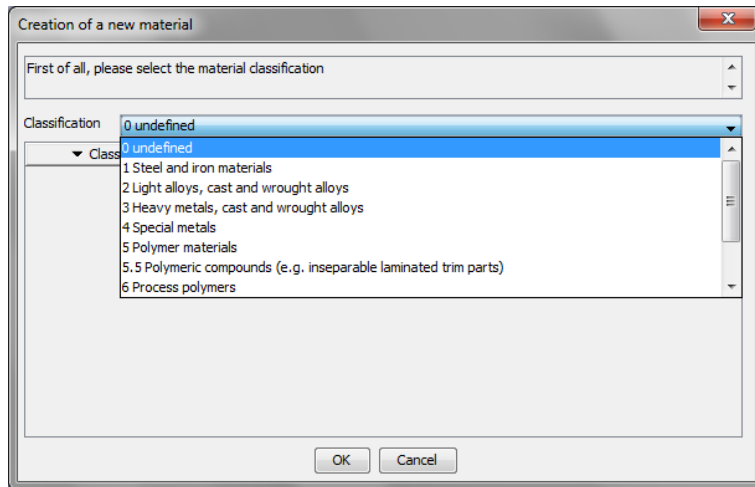
Change status of Semicomponents when attached to a Component

When a Semicomponent is added on the same level with a Component this would violate IMDS Recommendation 001 (in one structural level only the same kind of elements may be used). In order to avoid this, a new Component node for this Semicomponent will automatically be inserted.

For Semicomponents, the addition of dimensional data (weight per volume, weight per area, weight per length) will be possible.

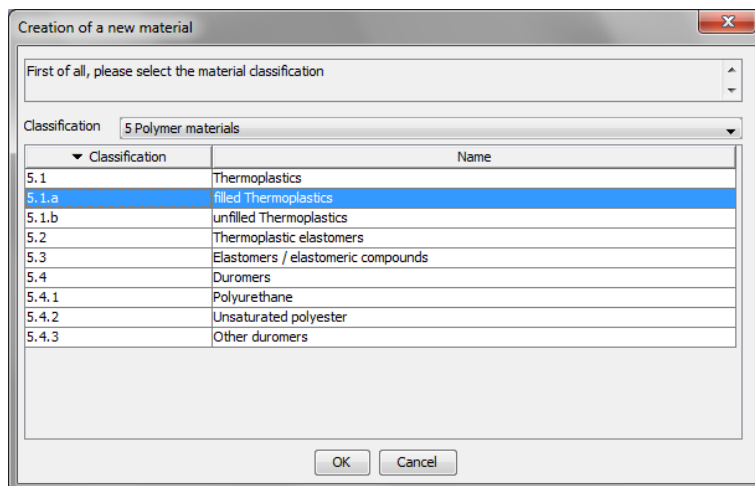
Creating a Material

The creation of a Material MDS/Module is different than a component and semicomponent. When creating a material, you first have to select the material classification.

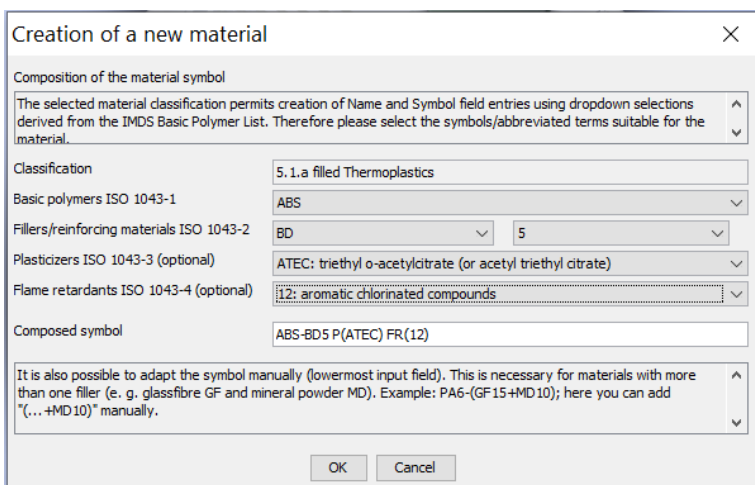


In this screen, only valid Classifications are offered and the desired Classification can be selected. As with the IMDS browser version, depending on the selected Classification, more screens may appear for entering more detailed information. Currently, additional screens support the required symbol definition for materials of classification 5.1.a, 5.1.b, 5.2 and 5.3.

Example: Filled Thermoplastic Materials



The following illustrates further steps for Filled Thermoplastic Materials.



Unfilled Thermoplastics, Thermoplastic Elastomers and Elastomers have similar screens.

The collected information is automatically inserted into the 'Ingredients' section.

Process Chemical Verification Flag

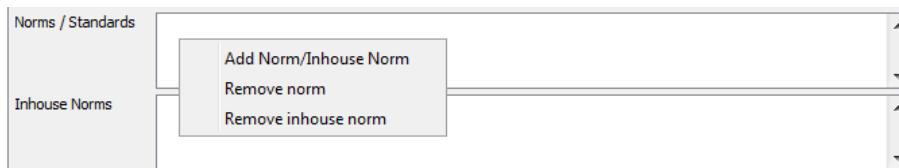
In IMDS, only the data of chemicals which are present in the final product should be entered. Therefore, process chemicals used during the manufacturing process are not to be entered and the system should prevent the user from adding those chemicals.

There is a basic substance group “Process chemicals”. Process chemicals are present in the IMDS basic substance list since in some cases they might be contained in a final part. When the user adds a new substance to a material, the warning message will appear if the substance is contained in the Process Chemicals substance group and is present in the material above a certain limit. This limit will be set to 0.1%. Only after the user confirmation, the selected basic substance will be added to a material MDS with one of the reasons intended use, reaction residue or impurity.

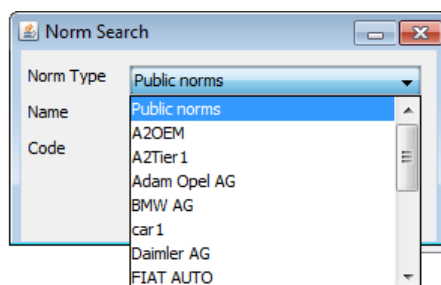
With this feature, there should be reduced occurrences where the user mistakenly adds a process chemical to the final part.

Editing Norms and In-house Norms in a Material

To edit the Norm or In-house Norm area, right click on the area and a pop-up menu appears allowing Norms and In-house Norms to be added or removed.

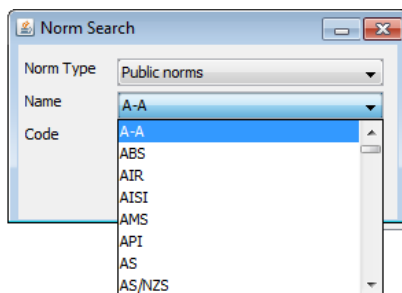


When you select “Add Norm/Inhouse Norm” another window appears where you must either select a Public Norm or an OEM Inhouse Norm.



Depending on the selection, you will receive different selections in the pull down.

In the above example, Public norm was selected so you can use the pull down to find the correct Norm and enter the code for the norm. Inhouse norms are added in a similar manner:



Referencing an Existing Datasheet

Published, own or received datasheets from the IMDS can easily be referenced (attached to the tree structure) in the IMDS-a2.

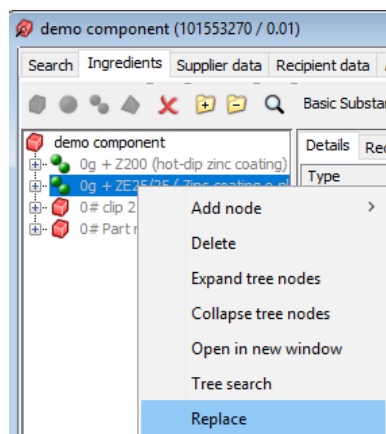
Just open a Search window, perform a search, select the datasheet to be referenced and drag it onto parent node of the datasheet you are working on. The drag & drop functionality is available within the entire IMDS-a2 application.

When the data sheet is selected, the IMDS-a2 requests this datasheet from the IMDS server and adds it as a reference with all the information contained. Referencing means that you have visibility to the data but only a link to the existing data is created.

Referenced datasheets cannot be changed in the active datasheet. In other words, to change a referenced datasheet, it must be in edit mode and you need to open it in a separate window. Since referenced datasheets are usually already released, this means to change a referenced datasheet, you must usually make a copy of it or create a new version.

The “Replace” Function

When editing an MDS/Module, certain referenced nodes in MDS trees can be replaced by other suitable nodes of the same type (components replace components, semicomponents replace semicomponents, materials replace materials, substances replace substances). To initiate the Replace functionality, right click the node to be replaced and then select “Replace” from the list.



This opens up a search window (of the same type as the node to be replaced) with a “Replace” button to use after selecting the new MDS/Module or basic substance from the search results.

You may also replace suitable nodes by pressing the “Control”-key (“CTRL” on the keyboard) while using drag and drop. The dragged node will not be added as child of the target node, but it will replace it.

demo component (101553270 / 0.01)

Search Ingredients Supplier data Recipient data Analysis MDS Request

Basic Substance List GADSL ☒ show regulatory information Regulation Wizard

demo component Details Recydate Application Regulatory Information

Type Material (published MDS)

Material Search

Search Ingredients Supplier data Recipient data Analysis MDS Request

Date ☐ published / accepted / internally released or ☐ created
from 03/09/2020 to 04/09/2020 (MM/DD/YYYY)

Supplier MDSs ☐ accepted MDSs ☒ published MDSs
☐ Preferred MDSs
☒ all

Supplier	Org Unit	Company- / Org-ID

☐ save list

Own MDSs/Modules ☐ own MDSs ☐ own Modules
Assigned Org Unit ☐ last edited by me

Total records found: 1

No.	Type	MDS/Module	Name, >Symbol<	Trade name	Mat.-No.	ID / Version	Node ID
1	MDS	+ ZE25/25 (Zinc-coating e-plated)				839703 / 6	176743588 IM

+ Favorites - Favorites

☒ Replace ☒ Apply ☒ Apply & Close

The “Supplier Data” Tab

The Supplier data refers to the contact for any questions of this datasheet and by necessity would be an employee of the creating company. The company information is inserted automatically. The Organization Unit and the Contact Person can be selected from the drop-down menus. The email and phone number of the selected Contact Person are shown automatically based on data that is provided in the IMDS Web Application / IMDS Plus in the menu Administration > Contact Person.

cali kg3-7 (2275086 / 1.02)

Search Ingredients Supplier data Recipient data

Company HP (Core Team)

DUNS Number 11-111-1118
Eisenstr. 56
DE 65428 Rüsselsheim

Organization Unit HP (Core Team)
DUNS Number 11-111-1118
Eisenstr. 56
DE 65428 Rüsselsheim

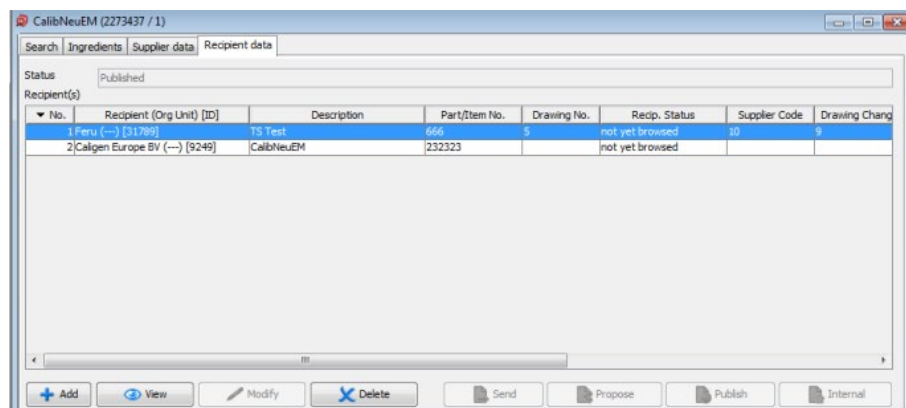
Contact Person Anlaufmeyer, Ingeborg

Telephone No. 369
Fax No. 399
e-mail thomas.schaefer@eds.com
active Yes

The Supplier Data tab must be completed in order to save the datasheet on the IMDS server.

The “Recipient data” Tab

In this chapter the datasheet can be “released” for use inside your company, sent or proposed to one customer or multiple customers, or published in IMDS.



The “Internal” Button

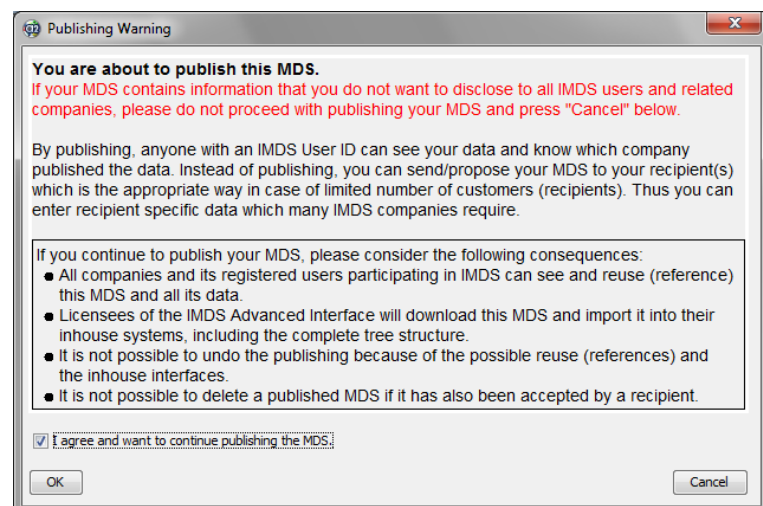
If you have not added a recipient, the only options available are Internal and Publish. Internal “releases” the MDS for use on other datasheets within your company. No changes can be made to a “released” datasheet with the possible exception of adding recipients. Every user of your company can read and reference the MDS/Module (with the exception of users with a read-only profile).

The “Publish” Button

The Publish button should rarely be used. Once Published, the MDS is available to anyone with a user ID in the IMDS system (approximately 150,000 people) to view and use.

For this reason a User profile “User (publish)” is available so that the Company Administrator can grant publishing rights to a limited amount of users in the company. Other user profiles are not allowed to publish MDSs. To be able to publish Material MDSs (MMDSs) the user needs to accept a certificate. Furthermore, the Company Administrator needs to define which type of MDSs (component, semicomponent, material) may be published by which OrgID inside his company.

In order to prevent an accidental publishing of data, a warning message appears when the Publish button is selected. The user needs to confirm his choice by selecting the “I agree and want to continue publishing the MDS” checkbox and click OK from this box to continue. Selecting Cancel will cancel the Publishing of the MDS.

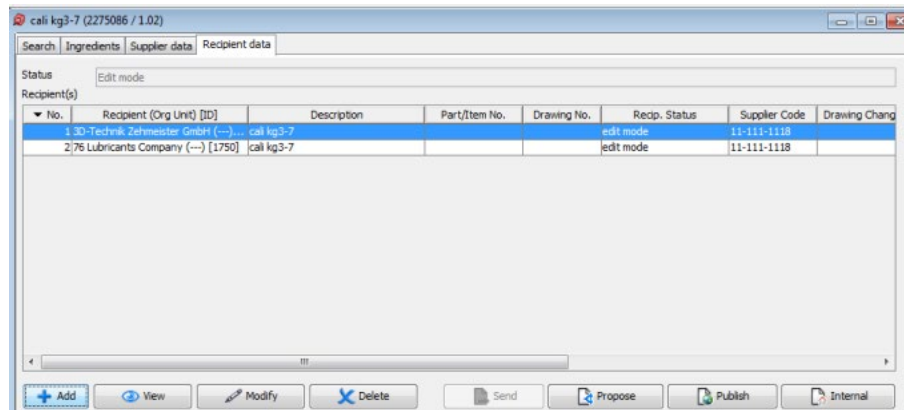


If you have not yet been certificated to publish MDSs, the certification form window will pop up. If you agree to the stated information, the certification process will start – asking your company administrator to approve your request for publishing MDSs. When the approval has been done in the system, you are able to publish MDSs.

The “Send” Button

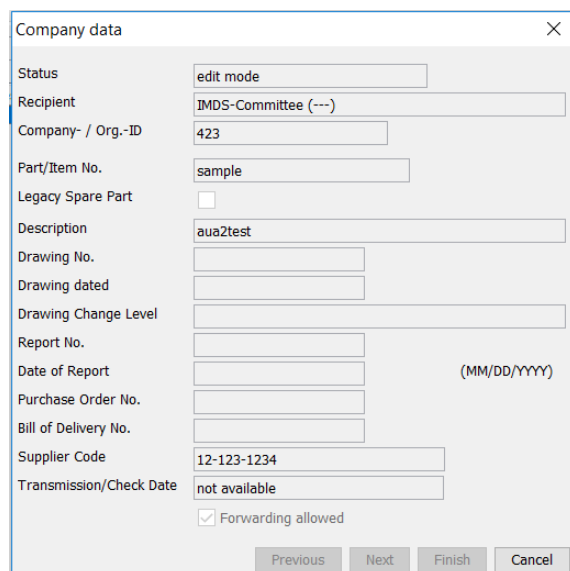
Until a recipient is added this option will not be available.

To start searching for a recipient company / organization, you can either click on the “Add” button or right click in the recipient area and select “Add” in the pop-up menu that appears.



The company search window is started and you can search for the recipient company / organization unit. The result entry can be applied by pressing the “Apply” or the “Apply & Close” button or by dragging the recipient entry into the recipient table of the component window.

Whenever a new recipient is added, a dialog similar to the following appears. The dialog may be slightly different if sending to an IMDS Sponsor Company.



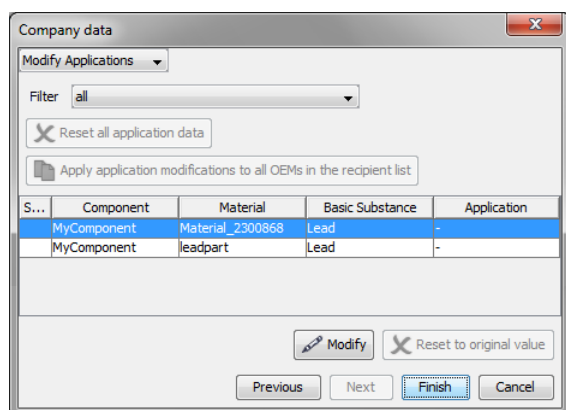
In this dialog you can add customer specific information to your MDS that is only visible to the recipient company. This information is very important for the recipient, because it allows him to map and further process the MDS. Please fill in this information carefully. Be advised that the recipient will ONLY see the Part/Item No. and Description from this dialog. Your recipient will not see the information from the top node of your Ingredients tab. If you are required to make changes to these two fields, you will need to do so on the recipient information and not the Ingredients tab.

“Forwarding allowed” may be checked if you want to allow your recipient to forward this information directly to their customer without attaching it first to a tree structure (default setting).

By pressing the “Next” button when sending to an OEM you will get a new window, where you can use the dropdown menu to

- Modify Applications
- Modify Norms
- Modify Parts Marking
- Modify Recyclate

The “Next” button is only available when a Tier 1 supplier is adding an OEM to the recipient list.



Pressing the “Finish” button the dialog is closed and the recipient is added to the recipients table.

The MDS can now be sent to the recipient by pressing the “Send” button.

By invoking Send, the MDS is sent to exactly one recipient company/organization unit. The recipient can either accept or reject the datasheet. In case he accepts the MDS it gets “released” and no further changes are allowed. Until it is “accepted” it is in “handshake” mode where changes can be made anywhere in the datasheet if in “edit” mode (status rejected and version a decimal number). After changes are made, the status is “modified” and to allow your customer to accept or reject, you must invoke the Send command again.

The “Propose” Button

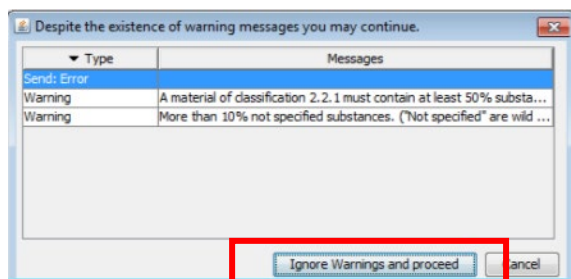
If you have more than one customer for the MDS or you have a customer that only accepts “proposed” MDSs, you need to use the Propose button. Ideally, every recipient accepts the MDS without changes. In case one of the recipients requires changes to the MDS you can either use File > Copy > copy as new datasheet/module to create a new datasheet for this recipient and send/propose it to him/her again or File > Copy > copy as new version, make the desired changes and propose to everyone again. However, if the reason for the rejection is because of data found on the recipient data window, including part/item no. and description, you can make the required changes and re-propose the same version to that customer.

The selection of the recipients follows the procedure described in the previous section. By clicking the button “Propose” the MDS is transferred to all recipients in the table that are in “edit” mode.

The “Ignore warnings and proceed” Button in the Check Result List

Prior to releasing, a check is made to see if the datasheet adheres to IMDS rules. If there are too many warnings, e.g. for very large MDSs you created, you can use the button “Ignore warnings and proceed” to speed up the Internal / Send / Propose / Publish process. While warnings may be ignored, errors cannot. Should you decide to ignore warnings and continue anyway, be advised that while these are “warnings” from the IMDS perspective, your customer may have other business requirements and will probably reject it and you will have to make corrections anyway.

A list of all errors and warnings can be found on the information pages of the classic IMDS application in the FAQ section “IMDS Errors and Warnings”: [What do the errors in IMDS mean and how can I fix them?](#)



The “Analysis” Tab

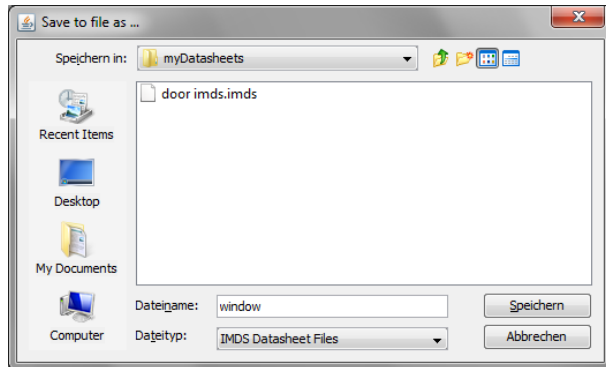
The Analysis tab in the detailed MDS information allows the user to query the Classifications, Materials and Basic Substances used in the MDS and their aggregated weights and percentages, based on the calculated weight. The user can choose the desired analysis type in the select box. For Basic Substances a filter for several Basic Substance Groups is available.

The “MDS Request” Tab

When the MDS is assigned to an MDS Request, you can see here the details of this request:

Loading and Saving a Datasheet

Saving a Datasheet



You can save your own datasheets / modules on the local hard disk of your PC for later completion. These are saved in a special a2 format that is only meaningful to a2.

From the **File** menu, choose one of the following menu items:

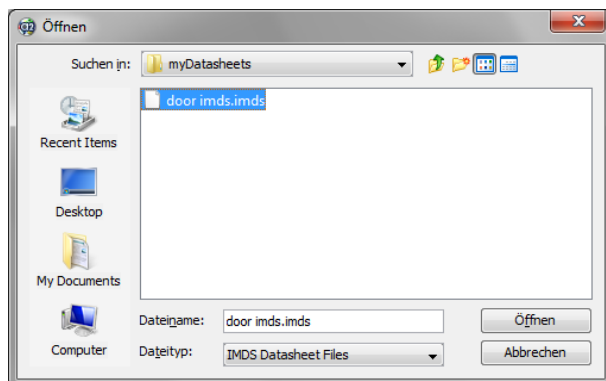
- **Save To File**
- **Save To File As**

By using the “Save As” option, you can change the name of the file. The saved datasheet will automatically get the suffix **.imds**.

A locally saved datasheet does **not reside** in the IMDS database, but on your local hard disk. No other IMDS user can access this MDS/Module.

HINT: You can only locally save MDSs / Modules that are owned by you or your company.

Opening a Saved Datasheet

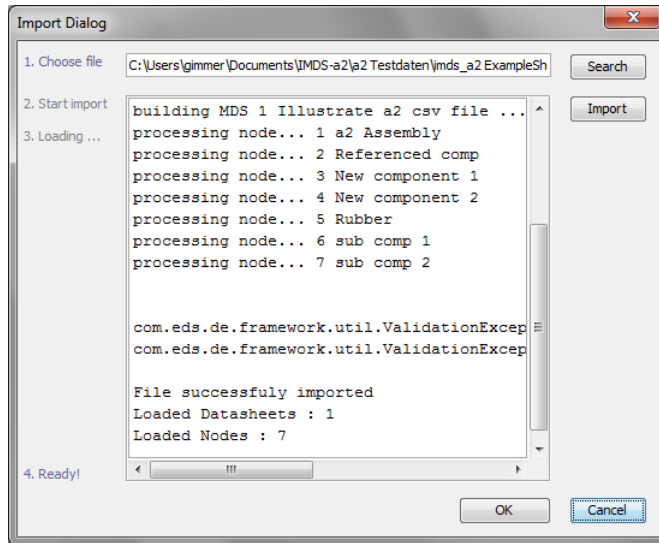


From the **File** menu, choose the **Open From File** item.

The file will be read and the MDS/Module will be shown in a new View/Update window.

Importing Data from MS Excel File

IMDS-a2 provides the possibility to import IMDS-Upload Excel spreadsheets, complying with the format “CSV File”. If you know the node IDs, you can complete the entire tree structure from the spreadsheet – thus reusing data that may exist in other systems.



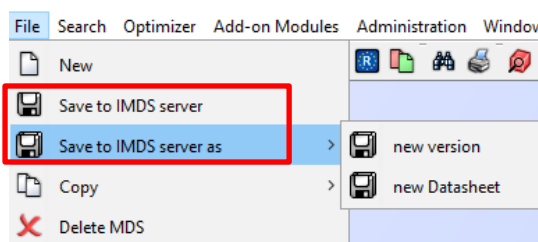
A sample spreadsheet is available on the IMDS Advanced Solutions Service Pages under <https://public.mdsystem.com/web/imds-public-pages/support> on the internet.

To import a spreadsheet:

1. From the **File** menu, select the **Import** option
2. Choose a file to import: Pressing “Search” a file chooser dialog allows to select the file on your hard disk.
3. Start the import: The import process is launched by pressing the “Import” button. Messages are displayed in the status area of the dialog.
4. Pressing the “OK” button finishes the import and the imported MDS/Module is displayed in a new window for further processing in the IMDS-a2.

Saving an MDS to the IMDS Server

Here you can directly transfer your created or changed datasheet into IMDS. You have the following options:



Save to IMDS server

Your changed MDS will be transferred to IMDS with the same version number. This means the datasheet in IMDS is replaced by what you transfer. The existing datasheet must be in “edit mode” – a decimal version.

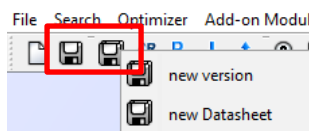
Save to IMDS server as ... – new version

Your changed MDS is transferred to IMDS with a new version number. This means that the version number is counted up by one according to the IMDS rules. For being able to do so the MDS/Module must exist in the lower version on the IMDS server. The new version will be in “edit mode” – a decimal version number.

Save to IMDS server as ... – new Datasheet

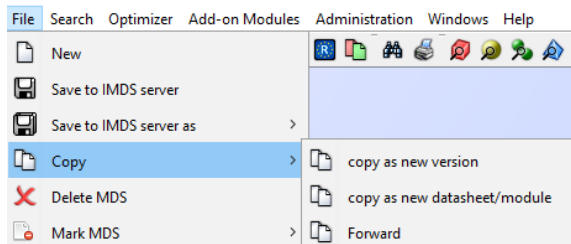
Your changed MDS is transferred to the IMDS server as new MDS/Module with the version number 0.01.

You can also see these options by clicking the button “save”; the following options are given:



Copy an Existing IMDS Datasheet

Here you may copy an owned or accepted MDS/Module in IMDS. The copy source is the MDS/Module saved in the IMDS database. Changes that are not saved are not copied.



Copy as new version

The current MDS/Module will be copied with a higher version number. This means that the version number is counted up by one according to the IMDS rules. For being able to do so the MDS/Module must exist in the lower version on the IMDS server. The new version will be in “edit mode” – a decimal number.

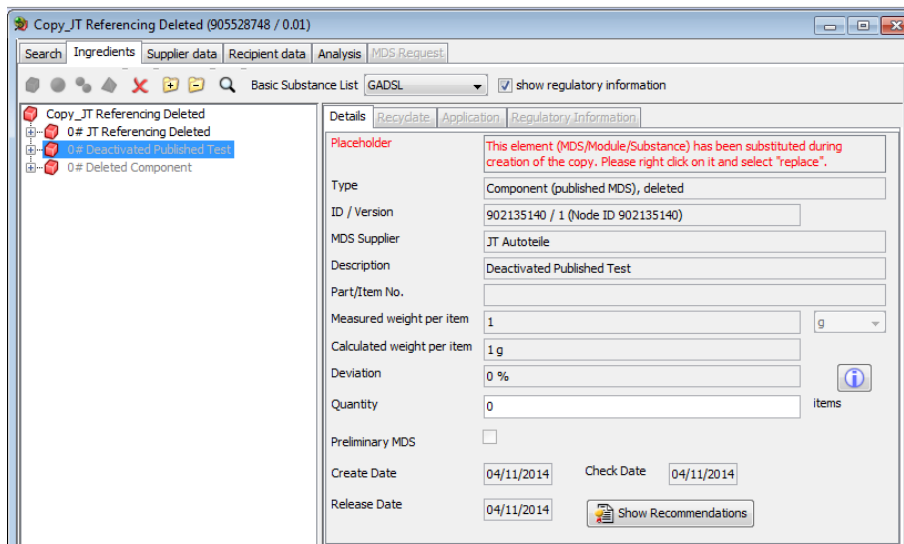
Copy as new datasheet/module

The current MDS/Module will be copied with a new module-ID and version number 0.01. For being able to do so the MDS/Module must exist on the IMDS server.

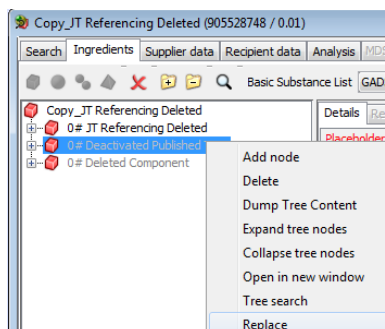
Placeholders and replacing deleted Nodes

The new enhancement to the Copy function replaces any nodes that cannot be copied because they have been deleted with a placeholder (a dummy node) that contains the information of the original node. If there are references to inactivated nodes, these are labeled “(inactivated)” behind the corresponding ID / version information in the details on the right. Inactivated substances are labeled “(inactivated)” behind the Type: Basic Substance in the details on the right. For hidden MDSs and basic substances in the product structure tree, the detail panel has a remark “hidden” in the field “Type”.

The system guides the user to replacements for deactivated or hidden substances after copying a material which contains this kind of substances. When replacement substances are available for deactivated or hidden substances, a hint will appear in the substance details. The user can then use the replace function to use the suggested substance instead of the old one.



Please right click on the node and select “Replace”:



The MDS Search screen opens and you can search for an MDS to replace the deleted node.

Forward

A received and accepted MDS may be forwarded directly to other recipients without changes. Users who may want to use this functionality are re-sellers that sell received parts without further changes or logistics partners who perform “kitting” operations.

There are some rules:

- only accepted MDSs may be forwarded
- no changes may be made to the Ingredients
- a forward-version may not be referenced in other MDSs created by the company (only the originally accepted MDS can be referenced)
- a forward-version can only be released internally or proposed
- only one Forward copy can be made of an accepted MDS

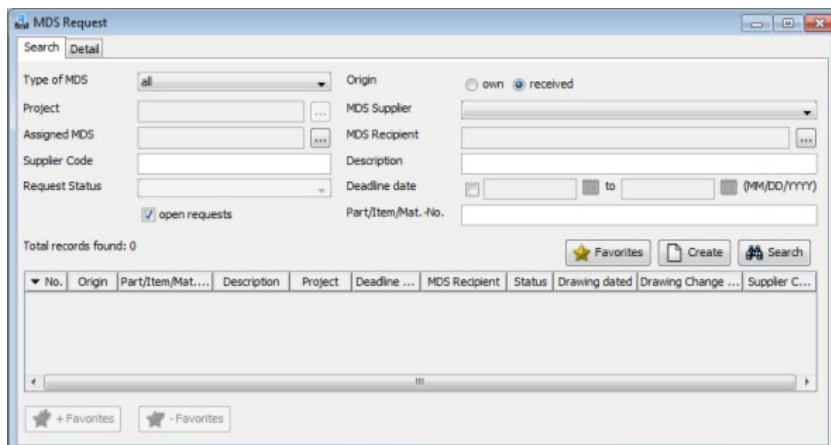
When the user carries out a search, an MDS is highlighted in the result list and the File → Copy → Forward is selected, the IMDS-a2 will automatically load the MDS/Module and change to the detail layer. Then, it will automatically create a forward version of the MDS or display a message to the user when this is not possible (e.g. because Forwarding is not allowed).

MDS Request

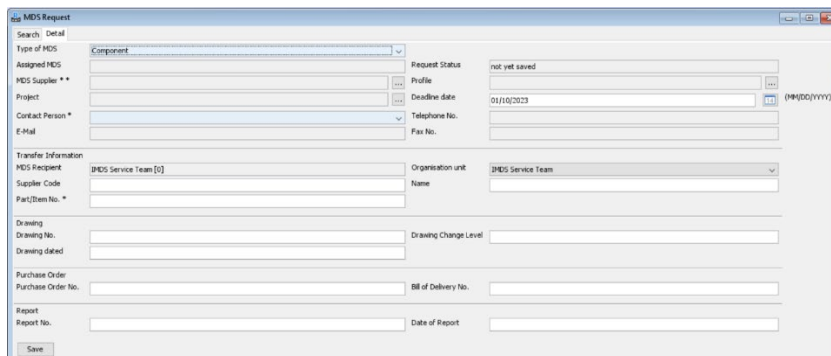
It is possible to communicate to your supplier the parts they are expected to report on. The supplier can then easily see in IMDS what needs to be done and what the customer expectations are.

By adding the expected deadlines for reporting as well as internal project designations (commonly known by the suppliers) you can use IMDS to monitor both project and supplier progress.

The User can access the MDS Request functions either through the Search > MDS Request menu option or the  button on the Tool Bar. You can search for own or received requests. The result table contains several columns which can be enabled or disabled by right clicking on the table header. All visible columns of a table can be printed via table printing or exported as CSV / XLSX while invisible columns will not appear.



A new MDS Request can be created by clicking on the **create** button and then the following window would appear.



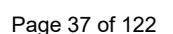
A Request may consist of some or all of the following information fields:

1. Type of MDS
2. Assigned MDS
3. Project name
4. Company ID / Org Unit ID of MDS supplier
5. Org-Unit ID of MDS recipient
6. Deadline date
7. All recipient specific information (Part/Item No., Description, Drawing number etc.)
8. Request Status
9. Contact Person

The only mandatory fields are "part/item number", Contact Person and the company of the supplier who is expected to provide the MDS. All other fields are optional. However, if the field is filled in the Create Request, the MDS provider will have them in the Recipient Data of his MDS and the fields cannot be overwritten. If the fields are empty in the MDS Request, the MDS provider can enter their own values.

The Project Name is used to group Requests and to track the progress of the group. Creation of Projects is a Company Administrator's function and must be done in the IMDS Browser. Requests can be created for any type of MDS (Component, Semicomponent, or Material).

The process cycle of an MDS Request is as follows:



The following table details the different States of an MDS Request. The Request status is set automatically. The user cannot change it.

NEW	Status after Create and Save. The Request is still editable and is not yet visible to the Request receiver.
SENT/RECEIVED	a. Status after Send. The Request is read-only for the Request-owner; the Request-receiver may see it (as RECEIVED), assign an MDS or reject the Request. b. The assigned MDS has been deleted by the Request-receiver. c. The assigned MDS has been unassigned by the Request-receiver.
REJECTED	The Request-receiver rejected the Request. A reject reason must be given.
WORKING	a. The Request-receiver has assigned an MDS, the Request-owner cannot see the MDS ID yet b. The assigned MDS has been rejected by the Request-owner c. The assigned MDS has been sent and deleted by the Request-receiver.
WAITING FOR ACCEPTANCE	The assigned MDS has been sent/proposed by the Request-receiver and waits in the Request-owner's In Box.
COMPLETED	The assigned MDS has been accepted by the Request-owner
DELETED	The Request has been deleted by the Request-owner

The Requestor can infer from the status "working", that the MDS supplier is already working on an MDS. This means he has created an MDS but not sent yet. The Requestor is not able to see the MDS until he receives it in his In Box.

While this functionality in IMDS is useful, there is no IMDS requirement to use it. The customer and supplier must determine between themselves whether they are going to use MDS Requests to communicate in IMDS. MDS Requests shall only be sent to IMDS partners who agree with the usage of this new function.

The In Box

In the In Box you see all datasheets received by your company and any Org Units that you have assigned to your IMDS-a2 ID. Several search criteria are at your disposal and you can view, accept or reject datasheets.

The screenshot shows the 'In Box' application window with the following search filters:

- Search** (selected tab): Ingredients, Supplier data, Recipient data, Analysis, MDS Request
- Article Name**: [Empty field]
- MDS ID**: [Empty field]
- All versions**: [Dropdown menu]
- Part/Item/Mat.-No.**: [Empty field]
- Preliminary MDS**: [Dropdown menu]
- Own Org Unit**: [Dropdown menu]
- Date**: ☐ transmitted (sent/proposed) or ☐ last status changed
- from**: 03/24/2022 **to**: 03/31/2022 (MM/DD/YYYY)
- Supplier**: [Dropdown menu]
- Org Unit**: [Empty field]
- Company - / Org...**: [Empty field]
- ☐ save list
- ☒ all ☐ ignore Org Units of companies in the list
- Status**: ☒ all ☐ open MDSs ☒ browsed ☒ accepted ☒ modified ☒ not yet browsed ☒ rejected ☒ cancelled by sender ☒ in process at recipient

Total records found: 5

No.	Type	Article Name	ID / Version	Part/Item No.	transmitted	from comp. (Org Unit) [ID-No.]	Status
1	TS Power Supply w/o Request	905668248 / 1.01	889	11/02/2017	OXS [900593]	in process a	
2	TS Power Supply w/o Request	905668248 / 1	888	10/30/2017	OXS [900593]	accepted	
3	TS Power Supply w Request	905668249 / 0.01	4321	10/30/2017	OXS [900593]	rejected	
4	TS Power Supply w/o request	905668245 / 1	42	10/30/2017	OXS [900593]	accepted	

Buttons at the bottom: Inbox automation, Accept, Reject

Available search criteria:

Article Name	Your name of the MDS as it was entered by your supplier (will return all MDSs starting with the entered value)
Part / Item or Material number	Your Part / Item or Material number of the MDS as entered by your supplier (will return all MDSs starting with the entered value), searching for multiple part numbers is possible (see The "Search" Tab)
MDS ID	The IMDS internal Identification number
Version	The IMDS internal version number; "current" returns the current version according to IMDS and may not be the most current version created by your supplier / "all" delivers all versions of the MDS that has been sent to your company
Own Org-Unit	The receiving Organization Unit of your company – only available for Org Units assigned to your ID
Preliminary MDS	If the MDS is marked as a Preliminary MDS
Date	Limits the period of the transmission or last status change
Supplier	The sending supplier
Status	All status fields can be optionally used
all	Activates and de-activates all status options
open MDS	Activates the Status options "not yet browsed" "browsed" and "rejected"
browsed	MDS, which were browsed by you
accepted	MDS, which were accepted by you

modified	MDS, which were modified by the supplier after your rejection and not yet re-sent or re-proposed back to you
not yet browsed	MDS, which were not yet browsed by you
rejected	MDS, which were rejected by you
cancelled by sender	MDS, which were cancelled by the sender
in process at recipients	MDS, which are in your own data download and can only be accepted/rejected through XML code and an AI profile

By default the results of a search are presented in reverse chronological order of the transfer date, i.e. recently received MDSs are in the upper part of the list. The results may be sorted in any direction or by any displayed field by clicking on the column header. The fields may also be re-ordered by dragging the column header to the desired location. For better identification the Part / Item or Material number and the symbol for the MDS type are included in the result list.

To display the MDS details you can use the tabs 'Ingredients', 'Supplier data' or 'Recipient data'.

After the Ingredients are viewed a2 communicates this to the IMDS server and MDSs with the status "not seen" change to "seen". The search results are refreshed with the updated information.

If the MDS status changes (e.g. it gets accepted) and the new status was not part of the search criteria (e.g. the search was for "open MDSs"), then the MDS is no longer displayed in the search result list.

The following information is displayed in the result list:

No.	The row number in the result list
Type (Symbol)	Symbol for the MDS type (component, semicomponent, material)
Article Name	Name of the MDS
ID / Version	The ID number of the MDS and the version
Part / Item or Internal Material number	The respective number of the MDS in your company
transmitted	The date of transfer of the MDS to your company
From Company (Org.-Unit) [ID]	The name of the sending company or Org.-Unit (= your supplier) and the ID
Status	The MDS status: accepted; modified; not yet browsed; cancelled by sender; rejected; browsed; in process at recipients (this is only for recipients using the data download and means, that the MDS is currently processed in the in-house system of the recipient)
Create date	Shows the date the datasheet was initially created
Status Date	The last change date of the MDS
Reason for denial	The rejection reason of the MDS
To comp. (Org. –Unit) [ID-No]	The name of the recipient company, org unit if applicable, and company/org. unit ID.
Supplier code	Supplier code or DUNS number of the supplier company
Drawing Change Level	Recipient information (possibly based on your MDS Request)
Drawing No	Recipient information (possibly based on your MDS Request)
Drawing dated	Recipient information (possibly based on your MDS Request)
Report No.	Recipient information (possibly based on your MDS Request)
Date of Report	Recipient information (possibly based on your MDS Request)
Purchase Order No.	Recipient information (possibly based on your MDS Request)
Bill of Delivery No.	Recipient information (possibly based on your MDS Request)
Node ID	The node ID of the MDS

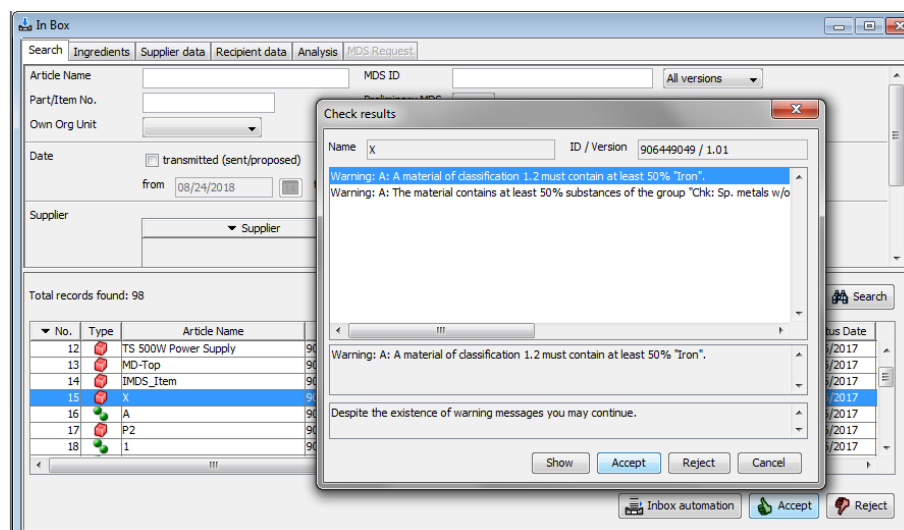
Entered Weight	Weight entered (for parts only)
Calculated Weight	Weight calculated (for parts only)
Specific Weight	The given weight for a semicomponent
Unit	Unit of the specific weight for a semicomponent

All available columns can be enabled or disabled by right clicking on the table header. All visible columns of a table can be printed via table printing or exported as CSV while invisible columns will not appear.

Accept or Reject MDS

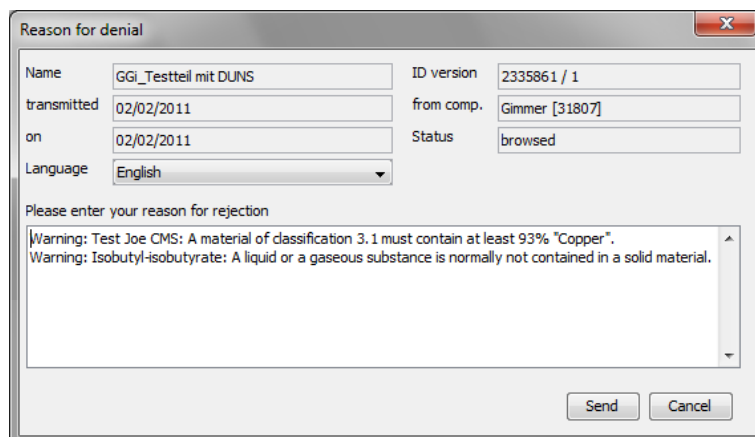
Once you have viewed the MDS and the status changed to **seen**, you may have the option to accept or reject the MDS. You will always have the option to reject an MDS. However, with Release 6.0, you will not have the option to accept an MDS if there are IMDS errors in the structure.

When you click on the **Accept** button, IMDS checking is started. In the following example, there are some IMDS Warnings, but no Errors. Should there be any Errors, you will not be given the option of accepting the datasheet.



If you decide to reject an MDS you have to inform the sender about the reason for denial. The maximum amount of characters for this field is 10,000 characters.

Should you decide to reject the above, the warnings and errors are copied into the rejection reason where you can remove those that you do not care about:



The Out Box

In the Out Box you see all MDSs sent by your company to your customers.

You have several search criteria available.

Article Name	Your name of the MDS as entered by you (will return all MDSs starting with the entered value)
ID	The IMDS internal identification number
Version	The IMDS internal version number; "current" delivers the newest version, "all" delivers all versions of the MDSs
Internal number	Your part, item or material number of the MDS (will return all MDSs starting with the entered value), searching for multiple Part numbers is possible (see The "Search" Tab)
External number	Your client's part, item or material number of the MDS
Preliminary MDS	If the MDS is marked as a Preliminary MDS
Own Org. Unit	The sending Org.-Unit of your company (for those Org Units assigned to your ID)
Assigned Contact	The assigned Contact Person for your Org.-Unit in your company
Date	Limits the period for the transmission or last status change (format mm/dd/yy)
Recipient	The receiving customer company / Org. Unit
Status	All status fields can optionally be used
all	Activates all status fields
open MDSs	Activates the status fields "not yet browsed", "browsed" and "rejected"
browsed	MDSs, which were viewed by the recipient
accepted	MDSs, which were accepted by the recipient
modified	MDSs, which were modified by your company after rejection by the recipient

not yet browsed	MDSs, which have not been looked at by the recipient
rejected	MDSs, which were rejected by the recipient
cancelled by sender	MDSs, which were deleted by you
forwarded only	MDSs, which were directly forwarded (see Copying a datasheet in IMDS)
in process at recipients	MDSs, which currently are in the data download at the recipient
obsolete	MDSs, which are obsolete

The result is in reverse chronological order of the transmission date, i.e. recently sent MDSs are in the upper part of the list. The sort order may be changed by clicking on the column header. Additionally, the order of the columns can be changed in a similar manner to other search returns.

For a better identification of the MDSs, the part number and the symbol for the MDS type are shown in the result list.

For displaying the MDS details the following tab layers can be chosen: "Ingredients", "Supplier data" or "Recipient data".

The following information is shown in the result list.

Nr.	The row number in the result list
Type (Symbol)	The symbol for the MDS type (component, semicomponent, material)
Recipient's Article Name	MDS name
ID / Version	The identification number of the MDS and the version
Internal number	Your part / item or material number of the MDS
Transmitted	The date of the transfer of the MDS to the recipient
to Company (Org. Unit)	The name of the receiving company / Org.-Unit
Status	The MDS status: accepted; modified; not yet browsed; cancelled by sender; rejected; browsed; in process at recipients (this is only for customers using the data download and means, that the MDS is currently processed in the in-house system of the recipient)
Status Date	The last change date of the MDS
Create date	Shows the date the datasheet was initially created
from Company (Org. Unit)	The name of the sending company / Org.-Unit
Reason for denial	The rejection reason of MDS
Supplier code	Supplier code or DUNS number of the supplier company
Drawing Change Level	Recipient information (possibly based on your MDS Request)
Drawing No	Recipient information (possibly based on your MDS Request)
Drawing dated	Recipient information (possibly based on your MDS Request)
Report No.	Recipient information (possibly based on your MDS Request)
Date of Report	Recipient information (possibly based on your MDS Request)
Purchase Order No.	Recipient information (possibly based on your MDS Request)
Bill of Delivery No.	Recipient information (possibly based on your MDS Request)
Node ID	The node ID of the MDS
Contact Person	Contact person in the MDS-receiving company
External number	Your client's part, item or material number of the MDS
Calculated Weight	Weight calculated (for parts only)

All available columns can be enabled or disabled by right clicking on the table header. All visible columns of a table can be printed via table printing or exported as CSV while invisible columns will not appear.

Rejection Details

To get to the rejection details, you must go to the Recipient data screen of the rejected MDS and click on the View or Modify button at the bottom of the window. By pressing the button “Info” on the Recipient data screen of a rejected MDS, you will get more information about the user that rejected the MDS..

Summary Reports

In the Out Box, you can create summary reports for certain groups of sent MDSs. The sorting order can be defined, too.

The following reports are possible to create:

Table Printing	Generic report based on the content of the current detail table.
Sent MDS Statistics Report	Give an overview on all sent MDSs per client, date, and status.
Sent MDS Incomplete Report	This report provides an overview on yet outstanding MDSs that have been sent.
Enhanced MDS Statistics Report	This report briefly summarizes on all reports that have been sent by the user's company, organized by the respective recipients.

Where-Used Analysis

A detailed description of the Analysis module and how it is used is available at www.mdssystem.com > IMDS Information Pages > Help > FAQ > System Usage > **How can I find where I've used a particular substance or how can I analyze MDSs or how can the Analysis function be best used?** The linked presentation describes the functionality in the IMDS Web Application.

The IMDS-a2 supports the same analysis functionality as the IMDS Web, but adds a powerful functionality called “repeated analysis.” It enables you to combine multiple search criteria and find the MDS that complies to them. The “repeated analyses” is described later in this text.

The Where-Used Analysis also allows you to find (selected either by rule-based selection or by non-standard selection) all MDSs with a special Application Code (e.g. Lead in Bearing Shells) within a group of MDSs.

Additionally, you can use the analysis function to find MDSs influenced by the last GADSL update.

With the Where-Used Analysis you can search based on the following criteria:

Classification	Search for MDS that contain materials of a certain classification
MDS/Module	Search for MDS that contain a certain MDS/Module
Basic Substance	Search for MDS that contain a certain basic substance
Group	Search for MDS that contain substances of a certain basic substance group
Basic substance list	Search for MDS that contain substances of a certain basic substance list
Threshold range	Search for MDSs with range values that exceed the given "Threshold range" for at least one sub node along with related supplier information.
Application Code	Search for MDSs that contain a certain application code
Confidential Substances	Search for MDSs that contain confidential marked substances which were affected by a GADSL or SVHC update within the last 14 days

GADSL category / REACH SVHC	Search for MDSs that contain basic substances that match a GADSL category and/or are part of the REACH SVHC candidate list. Choose the category by clicking the corresponding radio buttons and get only the latest update by choosing “Last ... update only”.
Deleted and hidden MDS/Module	Search for MDSs that contain deleted or hidden MDS/Modules
Deleted and hidden substance	Search for MDSs that contain deleted or hidden substances
Source of material, including circular materials	Search for MDSs that contain Recyclate portions, either of inorganic or fossil-based material or bio-based material

You can either search all the data created or accepted by your company (Rule based) or search a selected list of MDSs/Modules (Non-standard selection).

Selection Type ☒ Rule based selection
☐ Non-standard selection

Rule Based Selection

Enter search criteria for analyzing all matching MDSs.

The screenshot shows the 'Where-Used Analysis' window with the following fields and options:

- Search** tab selected, with sub-tabs: Ingredients, Supplier data, Recipient data, Analysis, MDS Request.
- Analysis Parameter** section:
 - Analysis type: **Classification** (dropdown)
 - Type of MDS: **Component** (dropdown)
 - Classification: (with a search icon)
- Selection Type** section:
 - ☒ Rule based selection
 - ☐ Non-standard selection
- MDS to analyze** section:
 - Article Name:
 - Part/Item No.: (with a search icon) and a **Preliminary MDS** dropdown.
 - MDS ID: and a **current version** dropdown.
 - SCIP Submission: (dropdown)
- Date** section:
 - ☐ published / accepted / internally released or ☐ created
 - from: (02/28/2022) to: (03/31/2022) (MM/DD/YYYY)
- Supplier MDSs** section:
 - ☐ accepted MDSs ☐ published MDSs
- Total records found:** 0
- Analyze** button
- Table Headers:** No., Type, Article Name, Part/Item/Ma..., ID / Version, Node ID, Supplier/Recipient
- Create Conflict Mineral Declaration Request** button at the bottom right.

Non-standard Selection

Using the Non-standard selection, you create a list of MDS you want to analyze by using Drag & Drop from any search result (including In Box and Out Box) to the Non-standard Selection section.

A right click on the table opens up a context sensitive menu offering options:

Remove selected MDS/Module	Removed the selected MDS/Module (This option is only available, if you have at least one MDS/Module in the table.)
Remove all MDS/Modules	Completely clears the table (Only available, if you have at least one MDS/Module in the table.)
Add MDS/Modules from result table	Add entries from the result table to the table of MDS to be analyzed. You can use this e.g. for further analysis. (This option is only available after you have performed an analysis.)
Add all MDS/Modules from result table	Add <u>all</u> entries from the result table to the table of MDS to be analyzed. (Only available after you have performed an analysis.)

Once you have entered all parameters, you can start the analysis by clicking the “Analyze” button. If you haven’t selected the Analysis criteria, the “Analyze” button will not be available. The Analysis defaults to Rule based analysis of own data.

Repeat Analysis

To add all entries from the result table to the Non-standard selection table allows you to perform a “repeat analysis”. By using this feature of the IMDS-a2, you are able to analyse MDSs matching more than one criteria.

Example: You can use the repeated analysis if you want to know, which of your own MDSs contain aluminium alloys as well as lead:

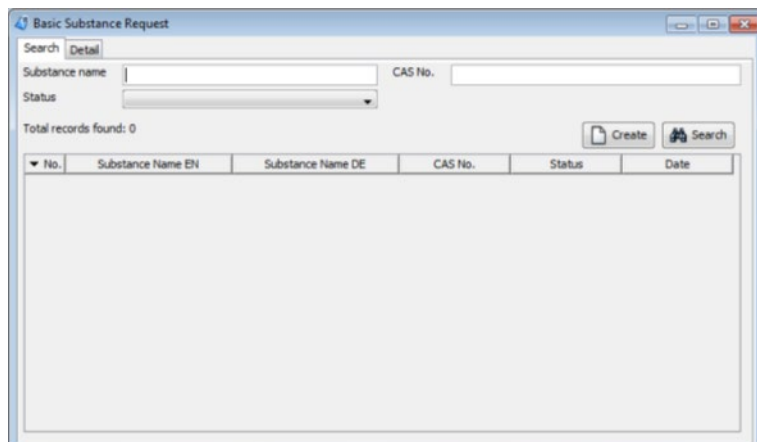
1. Select the “Classification” criteria and choose “2.1 Aluminium and aluminium alloys”
2. In the Rule Based Selection select the origin “own”
3. Press the “Analyze” button to get all your own MDSs containing aluminium alloys.
4. Select the Non-standard Selection and add the results to Non-standard Selection table. You can do this in different ways:

- a) Press the Button with the arrow pointing upwards
 - b) Right-click the Non-standard selection table and select “Add MDS/Modules from result table” from the menu
 - c) Right-click the result table and select “Add MDS/Modules from result table to Non-standard Selection table” from the menu
 - d) Drag and drop the results to the Non-standard Selection table (you can not drag and drop more than one MDS/Module at a time)
5. Select the “Basic Substance” criteria and choose lead
 6. Press “Analyze” again and you will get a list all of your own MDSs containing aluminum alloys and lead

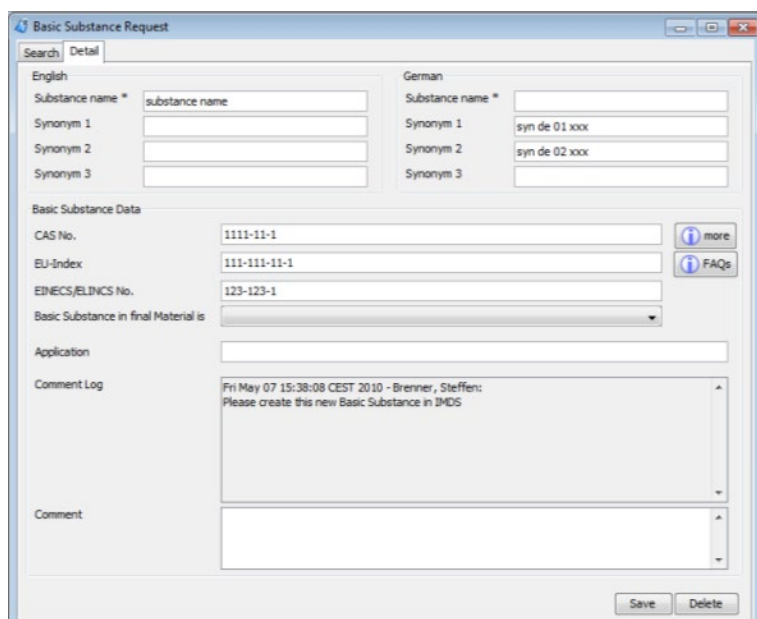
If you want to search the results again for a third criteria, right click the Non-standard selection table and select “Remove all MDS/Modules” from the menu. The list is now empty and you can add the results again like explained above.

Basic Substance Request

If a basic substance is not yet listed in IMDS, a workflow can be started to request basic substances in IMDS. The Menu item “Basic Substance Request” can be chosen either from the menu (Search) or the icon .



If a user accesses the Basic Substance Request screen he will see all requests entered by him. The list shows name and CAS No. of the substance, the date the request was submitted and the state of the request (open, completed, deleted). From that screen new requests can be created or existing ones be modified and all requests can be viewed in detail.



The request form requires some information from the user. Once the request is completed and saved it can be seen by the user in the screen above.

Should further information be needed by the Chemical Service, the user will receive an e-mail asking for more information. The request can also be closed by the Chemical Service – in this case, the user will get a notification e-mail that his request is completed. Closed requests can not be edited anymore.

MDS Updates

IMDS users have the possibility to identify supplier MDS updates when the supplier MDS is used within the user company's MDSs. This feature within the Search menu lists supplier updated MDSs and names the specific owned or published MDSs which reference an older version of the supplier updated MDS.

After the user selects the Search -> MDS updates menu option and executes the Search, the MDS Updates screen is shown, providing information about the old and new version of an MDS and in which MDS(s) it is referenced (default: search for all new supplier entries). The user may also search for specific IDs or names of parts, or filter the list for the MDS type (own/published/accepted). As with other IMDS screens, from the update list an MDS can be viewed and edited in different tabs.

No.	T...	Name	Part/Item No.	ID / Version	New Ve...	Check results	T...	Name	Part/...	ID / Version	New...	Change Date
1		R12-13 Container		905928238 / 5	5.01			R12-13		905908817 / 11	15	07/26/2018
2		R12-13 Container		905928237 / 1				R12-1		905908817 / 3	15	07/23/2018
3		R12-13 Container		905928238 / 1				R12-1		905908817 / 3	15	07/23/2018
4		Sent REACH Comp (internal name)		905888559 / 1				Intern		905888557 / 2	3	05/18/2018
5		Internally Released REACH Comp		905888556 / 1				Intern		905888557 / 2	3	05/18/2018
6		Published REACH Comp		905888560 / 1				Intern		905888557 / 2	3	05/18/2018

Multiple release is possible: To update several MDSs at once, select several rows in the table by holding the control or the shift key during clicking. This multiple selection is then relevant for the update, release and remove actions. For all other actions (View old own MDS, Edit updated, view new/old reference), only one entry should be selected. If more than one is selected, the first entry will be used for the action.

Also, the old and new versions of the referenced MDS are displayed to permit user verification of the pending update. If the user decides that the change is not relevant and does not want to create a new version, he can remove the entry from the update list.

To start an action use the menu by right-clicking in the result table or by clicking the Menu button in the lower right corner.

Note: Updates to this list are processed asynchronously. Therefore, changes are not immediately visible.

The update process is done in two steps. In the first step the update itself is done by replacing the old references with the new ones and executing a check afterwards. If the check result does not contain error messages, the MDS can then be released. Otherwise, the MDS can be processed manually to correct the errors. For convenience, multiple MDSs can be processed (updated and released) at once.

* The old version for published or owned MDSs is the previous version number.

* The old version for accepted MDSs is the previously accepted version number.

Every user can use the MDS Update search without running an analysis. Processing the list entries can be disrupted and continued later at any time until all entries are processed. The update list will only be generated for new updates which occur after this design has been implemented (with Release 9.0). There will be no retroactive analysis for legacy data updated in the past.

When using the MDS update functionality to create new versions of MDSs, the updated references will be replaced accordingly. However, a new version can still be created with the existing IMDS functionality. The check procedure will check if relevant updates of referenced MDSs are available. If this is the case, a warning message for the relevant referenced MDS will be displayed. When the system detects an old version and the user wants to replace it, the replace button will automatically locate the current and replace the old version with the current version.

Regulation Wizard – IMDS Chemistry Manager

Only users with Chemistry Manager Access will be able to see and use this menu item to view, modify and create regulatory information on their MDSs. The access right can be set by a company administrator in the user administration screen. Users without the right will be able to request the right in the Personal Settings menu.

When searching for substances or looking at them in the MDS ingredients screen, regulatory information is only shown if the user has the Chemistry Manager Access rights.

Using the Regulation Wizard the user can search for MDSs that contain regulation-relevant data and directly modify it without loading the MDSs themselves. Users will be able to display multiple MDSs at once to modify the regulatory information for all contained relevant references.

This wizard is available in the "Search" menu offering a search screen similar to the general Module/MDS search with additional regulation relevant information. The user will be able to search for specific MDSs he wants to enter regulatory information for or request an update of regulatory information. The search result only contains the latest released and active versions of MDSs for which the regulatory information can be entered. If regulatory information can be entered for child nodes, the parent MDS is also available in this list.

The following search criteria will be available (it will not be possible to search for data in older versions of regulatory information):

- The "Name, ID, Version, Date, Regulatory Info Status" and "Supplier MDSs, Own MDSs/Modules" criteria boxes look and work the same way as in any other MDS search. They are used to search for MDSs visible to the user that contain references to MDS which contain regulatory information (anywhere in their ingredients tree).
- The box "Regulatory Information" is used to define search criteria for the regulatory information contained within the MDS references inside the ingredients tree. The user can select which regulation to search for. Depending on the selection, some of the available search fields change while others are always present.
- The "Regulation Request" criteria box allows the user to further narrow down the search by only searching for regulatory information for requests for updates that have been received or sent.

Loading Regulatory Information for MDSs

The search result allows multiple selection (CTRL or CTRL+A for “select all”). Via right mouse click on a marked MDS, the user can select the "Edit own Regulatory Information" or "View own Regulatory Information" option.

Total records found: 154					Combined Reach Download	Search
No.	Type	Article Name	Part/Item No.	ID / Version	Supplier	
1	RegTest	Assembly New	GG-RegTest-004	905308661/1	IMDS Service Team	
2	Component	Ref Complete				
3	Test	Small Part Demo	12343			
4	NHS	defect925				
5	SM	Reach Component Material BPR				
6	Component	random_order				
7	JT	two same Reg References				
8	JT	Appl Test Container				
9	Small	Part Demo				
10	NHS	Component def				
						Edit own Regulatory Information View own Regulatory Information View supplied Regulatory Information Download Regulatory Information Download All Download Combined Reach Regulatory Information

Selection of one of these options opens the second tab “Regulatory Information” in the Regulation Wizard showing all references to own MDSs and own child nodes in the selected MDSs, for which the user can enter and modify the regulatory information. If the user selects the "View supplied Regulatory Information" option (only available for MDSs with ownership “supplied”), the "Regulatory Information" tab will show only references to foreign MDSs and the references within them.

All regulatory information visible in the search result table can also be downloaded as MS Excel file. There are three different ways to create such a report:

First, the user can create a report for specific MDSs by using the “Download Regulatory Information” option in the context menu (right mouse-click).

Second, the “Download all” option in the context menu allows the user to download the regulatory information for all MDSs that are found with the current search criteria.

Third, the “Download Combined REACH Regulatory Information” option provides the complete Regulatory Information for REACH Semi/Component including component, material and substances answers for the selected MDS. This option is available in the context menu and via the new button "Combined Reach Download" next to the “Search” button.

In the Excel file there will be one line for each child regulatory information (e.g. for each BPR substance inside a material or for each REACH material inside a component). The columns containing the parent information will contain the same information for each of these lines. The report also contains information about the top MDS (the one that can be found in the wizard). Since each top MDS can contain multiple parent MDSs, its information will be duplicated as well.

Editing own Regulatory Information

In the Regulation Wizard, the user can select a regulation for which he wants to enter the data. By clicking on “Search” he is then presented with an overview of all MDSs and their relevant child nodes and references. Nodes and references for which no regulatory information has to be entered are not displayed in this view. Nodes and references for which regulatory information is now required (e.g. because a substance has been added to the regulation substance group) will be shown.

Clicking on “Edit own Regulatory Information” opens the Regulatory Information tab. For each MDS containing relevant data (e.g. an MDS containing BPR-relevant substances) a single row is displayed in a table with all the contained references. Depending on the regulation, different fields can be filled in for the parent MDS and the child references.

Since the table can contain a very huge amount of data, the user will be able to filter for certain criteria. The following filters will be available above the table:

- Cas No.
- Substance Group
- Date of last updates
- Product Types (for BPR regulation type)

REACH Semi-/Component

Regulation Wizard									
Search Regulatory Information									
Filter									
Level	Type	Name	ID / Version	Part/Item No.	Produced in / imported into EEA?	Material imported?	Authorization status	Create editable version	Release
1		JT Test StdMat	905448250 / 1						
1.1		no more REACH Mater...							
1.2		--Node							
1.2.1		---Chromate film blue...							
1.3		---Chromate film blue/t...							

REACH Material

Regulation Wizard												
Search Regulatory Information												
Filter												
Level	Type	Name	ID / Version	Part/Item No.	CAS No.	EINECS/ELI No.	Lastest application date	Sunset date	Still in production?	EEA produced	Authorization status	Create editable version
1		NHS-Material	905508350 / 4									
1.1		no more REACH ...										

BPR

Regulation Wizard												
Search Regulatory Information												
Filter												
Level	Type	Name	ID / Version	Part/Item No.	CAS No.	EINECS/ELI No.	Still in production?	Added for biocidal property?	Biocidal property desired in finished article/product?	Product type	Create editable version	Release
1		Module with BPR ...	905508300 / 1									
1.1		--Node										
1.1.1		----B-Ag40CuZnS...	1445425 / 4	AG140								
1.1.1.1		The material clas...										

MCP

Regulation Wizard										
Regulatory Information										
Filter										
Level	Type	Name	ID / Version	Part/Item No.	CAS No.	EINECS/ELINCS No.	The Substance contains	Hazard Statements	Create editable version	Release
1		Component_MCPP	2000311208 / 1							
1.1		--excel MCP	2000311206 / 1							
1.1.1		---Alkanes, C12-14, c...			85536-22-7		≥80% - linear chl...	H230 - May react ...		

If a data set (e.g. for Biocides, a data set includes the Material plus its contained substances) has no editable version of the regulation, the fields are displayed in read only mode.

In this case, a "create editable version" button will be shown in the row of the parent MDS. By clicking this button, the user can create a new editable version, which contains the copied data of the latest released version.

The created editable regulation version is automatically adapted to the latest MDS version: If the original regulatory information was released for a MDS version which included additional references (e.g. substances) which are no longer included in the latest version, these references are automatically removed from the regulation. If there are new references, they are added accordingly. After doing this, all fields for this data set become enabled.

Releasing Regulatory Information

You can release every single entry with the respective button in the row. Below the editable regulatory information tables, a "Release all" button is available. It triggers a check to validate all information entered. Similar to the confirmation dialog when releasing MDSs, the user is then asked to confirm the release. If there is at least one data set with erroneous data, the user can choose to "Only release regulatory information without errors", which will leave the erroneous data sets unaffected.

The check results will be displayed similarly to the results of an MDS check as a table at the bottom of the screen. For each MDS or substance listed in this table, an error icon will be shown in the corresponding line of the wizard table. When double clicking a row in the check result table, the wizard automatically scrolls to the appropriate row.

Viewing foreign Regulatory Information and Requesting Updates

If the user has searched for Regulatory Information with Ownership “supplied” and selected “View foreign Regulatory Information”, the data tab looks very similar to what has been described above, except all fields are read-only and there are no “release” or “release all” buttons.

Instead, a “request update of regulatory information” column is shown with a button where applicable, which will initiate a request for an update for the selected MDS. This button is not available if the regulatory information has been filled out completely for the latest MDS version or if the user's company has already requested an update for this MDS's regulatory information.

Additionally the same information as shown in the ingredients tab will be shown for each MDS row.

If an MDS occurs multiple times in the table, all its “request update” buttons are synchronized. This means: if the user presses one of them, all are automatically disabled because a request cannot be issued a second time.

IMDS-a2 Examiner

While IMDS classic performs certain checks at the time the MDS or Module is “released”, if the check returns only a warning message, the message can be ignored and the MDS/Module released. Additionally, some items that may be important to a customer aren’t incorporated into the IMDS checks and in the browser version of IMDS, the checks are not made on a “released” MDS. Hence, the development of **Examiner**.

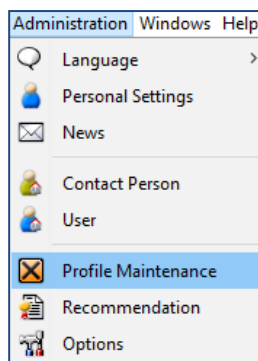
The Examiner helps you to check if your own or received datasheets fulfill certain criteria. IMDS-a2 has several checks programmed into the system and several of these can be configured with user-defined parameters.

All Examiner checks are optional. For this reason the Examiner only generates information messages, but no errors or warnings as IMDS Classic does e.g. before releasing a datasheet. The sole exception is the check “IMDS Default checks” - this check is available in the Examiner and executes the same checks as the browser version of IMDS. If Inbox Automation is used, the user has the option of flagging critical checks (e.g. part number, supplier code) for automatic rejection.

All requirements that exceed the standard checks in the browser version of IMDS are customer dependent and must be agreed upon between supplier and customer.

Examiner Profiles

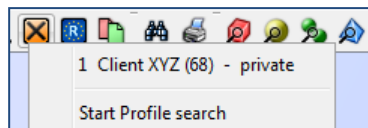
Before using the Examiner, you must first define what you want to check for. Before IMDS Release 15.2, this could be done under Administration > “Profile Maintenance”. However, with IMDS Release 15.2, all Examiner Administration tasks like Profile creation and maintenance are found in our [IMDS Plus manual](#). Clicking on Administration > “Profile Maintenance” now leads to a message which informs the user where to find these tasks instead.



Start the Examiner Function

To use an examiner profile, you need to be viewing the Ingredients of an MDS/Module. From one of the searches (component, semicomponent, material, In Box, Out Box), highlight a datasheet and click on the Ingredients tab.

Then you can use either the Optimizer > Examiner menu option or the  button in the toolbar and chose “start profile search” to search for a certain check profile.



Then the Examiner Profile screen will appear.

Profile Maintenance

Search Detail Recipient

Name

Recipient

Origin

Status ☒ Private ☐ Internally released
☐ Published ☐ Sent

Total records found: 7

No.	Name	Description	Owner Company	Owner	Status	Status Date
1	CAS-Nr. (2702)		IMDS Service Team	Gimmer, Grit	private	09/29/2015
2	IMDS Standardprüf (3279)		IMDS Service Team	Gimmer, Grit	private	11/29/2016
3	Mein Test (2034)		IMDS Service Team	Gimmer, Grit	private	09/27/2013
4	Request check (3761)		IMDS Service Team	Gimmer, Grit	private	10/19/2017
5	deleted mds (2076)		IMDS Service Team	Gimmer, Grit	private	11/05/2013
6	substance range (2648)		IMDS Service Team	Gimmer, Grit	private	09/14/2015
7	xls check (2110)		IMDS Service Team	Gimmer, Grit	private	01/13/2014

Create Delete Copy Release Internal Send Publish Apply Apply & Close

Clicking on **Apply** or **Apply & Close** will start the check.

Alternatively, one of the latest 10 checks can be carried out. You can choose it from the list of check profiles when clicking on the check button. There is a video tutorial available on how to use the Examiner Check button under the menu item Help.

1 New Examiner Profile (80) - private
2 My Test Profile (81) - private
Start Profile search

The same menu is available under Optimizer → Examiner

File Search Optimizer Add-on Modules Administration Windows Help

Examiner
Inbox automation
Dashboard
Reports

1 New Examiner Profile (80) - private
2 My Test Profile (81) - private
Start Profile search

All informational messages and warnings resulting from the check are displayed at the bottom of the screen. Clicking on a message will take you to the node where the check has failed:

Calibrator (905528616 / 0.01)

Search Ingredients Supplier data Recipient data Analysis MDS Request

Basic Substance List GADSL ☒ show regulatory information

Details Recydate Application Regulatory Information

Type Component (own MDS)
ID / Version 905528616 / 0.01 (Node ID 905528616)
MDS Supplier IMDS Service Team
Description Calibrator
Part/Item No.
Measured weight per item 500 g
Calculated weight per item 0 g
Deviation -100 %
Preliminary MDS
Create Date 05/02/2017 Check Date not available

No.	Type	Chapter	Name	Messages
1	Warning	1	Calibrator	Deviation must not exceed 5% for components with a weight of ≥ 100g and < 1kg
2	Warning	1	Calibrator	The Component has a deviation of -100% between measured and calculated weight and exceeds the given limit.
3	Error	1	A	The quantity must be one item at least!
4	Error	1	A	Non basic substances must be decomposed further
5	Warning	1	A	Deviation must not exceed 5% for components with a weight of ≥ 100g and < 1kg
6	Warning	1	A	The Component has a deviation of -100% between measured and calculated weight and exceeds the given limit.
7	Error	2		Contact must be specified

Examiner Report

The Examiner Report allows the user to forward the output of an Examiner check to a PDF report. All check results are listed in a table structure including the MDS node on which the error, warning or information occurred. The profile used when executing the check and all checks that belong to that profile including their parameter settings are also documented.

There is a video tutorial available on how to use Examiner and create an Examiner report under the menu item Help.

You can generate an Examiner report for a pre-selected MDS/Module. The precondition for the generation of an Examiner report is a previous execution of an Examiner check for the MDS/Module. If no previous Examiner check was carried out an error message will be shown.

After you carried out an Examiner check and received Examiner check results press the Print icon and choose the item "Examiner Report" from the list in MDS Report window.

IMDS ID / Version: 90505290 / 1		Page: 4 / 5	
User: Gimmer, Grl		Date: May 4, 2017 11:38 AM	

3.1 Ingredients Check results

Tree Level	Article Name Article Name Name Substance name	PartItem No. Item-/Mat.-No. Material-No. CAS No.	IMDS ID / Version	Error Warning Info	Examiner Messages
1	External Name (Tillywork > HPE)	External PN	9050506290 / 1.0		
2	Node				
3	External Name (JT Autoteile > Tillywork)	External PN	905488551 / 1.0		A material of classification 1.2.2 must contain at least 55% "Iron".
					The Std. Material No. is empty.
					No tradename given.
					No norm (inhouse or public) given.
					Material is not from a standard supplier.
4	Module	Module	905488550 / 1.0		The Std. Material No. is empty.
					No tradename given.
					No norm (inhouse or public) given.
					Material is not from a standard supplier.
2	Module	Module	905488552 / 1.0		
3	External Name (JT Autoteile > Tillywork)	External PN	905488551 / 1.0		A material of classification 1.2.2 must contain at least 55% "Iron".
					The Std. Material No. is empty.
					No tradename given.
					No norm (inhouse or public) given.
					Material is not from a standard supplier.
4	Module	Module	905488550 / 1.0		The Std. Material No. is empty.

EntServ Deutschland GmbH

Created by IMDS-a2 Optimizer

DWC Technology

Entserv Deutschland GmbH

Created by IMDS-a2 Optimizer

Inbox Automation

By using Inbox Automation, IMDS-a2 can process received MDSs automatically by using the Examiner to validate them in the background while the user is logged into an a2 session. In a user-defined interval, the a2 can check for newly received MDSs and add them to the MDS List area. Also, open MDSs (not yet browsed and browsed) already contained in the In Box can be processed. There is an option to either add all open MDSs to the MDS List area or to add them manually from the In Box by applying search parameters. You must be in an active IMDS-a2 session to use Inbox Automation.

The Inbox Automation feature uses a single Examiner Profile to review MDSs received by the company. When the Inbox Automation is started, the system runs the Examiner Profile for each MDS in the MDS list and saves the result. Between checking MDSs, there is a system defined idle time to save system resources on the client and the server.

After the entry has been processed through the check, you may select it and perform one of the following actions from the Inbox Automation window:

1. View the MDS together with the results of the Examiner. The user can check the errors, warnings and informational messages and decide whether the MDS should be accepted or rejected. If the Examiner did not run yet on an MDS, it can also be viewed but without the result messages. To view the MDS from the Inbox Automation window, double click on the MDS and another window will open.
2. Accept the MDS. Only possible after the Examiner has been run from the Inbox Automation Window. The MDS may still be accepted without the Examiner run from the normal In Box.
3. Reject the MDS. Only possible after Examiner has been run from the Inbox Automation Window. By using this option, the rejection dialog appears and the results of the examiner are copied into the reject reason. The user can then modify this text for the recipient. Depending on the recipient, the Examiner result text can be translated into several languages within the dialog. Like in the rest of the system, Japanese, Korean or Chinese language is not supported for data entry. Should the user reject from the normal In Box window and not the Inbox Automation window, the Examiner messages will not be available.

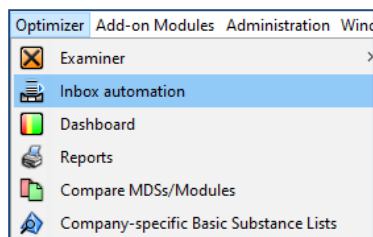
Inbox Automation can be configured to accept MDSs automatically if they do not contain errors. Inbox Automation can be configured to ignore warnings and/or info messages and still accept.

Inbox Automation can also be configured to automatically reject MDSs if they do not match given criteria which are set in the Examiner profile. Since the rejection is automatic, the user is not able to add own text to the rejection message.

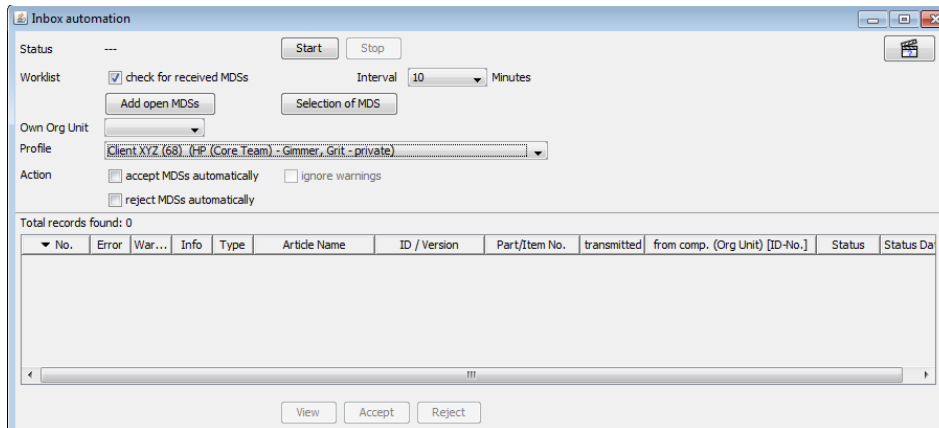
The MDS List area in the Inbox Automation Window is a view on the normal In Box with columns added for errors, warning and info messages. If these columns are empty, the MDS has not yet been examined. After the MDS has been examined, these columns contain the number of messages for each category. After the MDS has been processed (accepted or rejected), the MDS is removed from the list.

The background processing of the Inbox Automation can be started or stopped by the user. The results of the Examiner are stored as long as the a2 session is open. After closing a2, the results are discarded. Any open MDS can be added during another session and the Inbox Automation can then recreate the results.

After creating the desired Examiner Profile, the Inbox Automation can be accessed from the Optimizer menu:



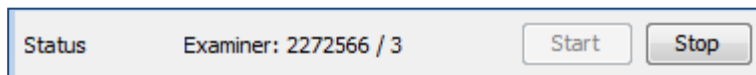
After selection of Inbox Automation from the menu, a new window opens:



Clicking on the icon  opens a demonstration video on how to use this IMDS-a2 feature.

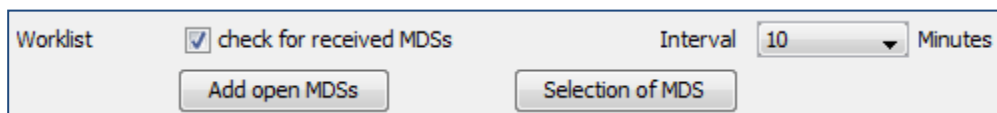
The window is divided into the control section and a worklist section with action buttons at the bottom of the window. The control section consists of 4 parts.

1. In the status section, the Inbox Automation can be started and stopped, and the action currently being performed is shown next to the word **Status**. Actions can be an Examiner running against a specific MDS as shown below, checking for received MDSs, or "idle" when in the system defined idle time as described above.

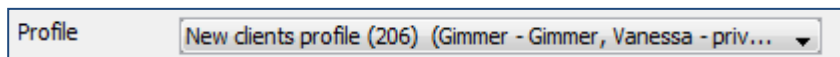


2. In the worklist section, the check for received MDSs can be activated, and the corresponding check interval in minutes can be selected. This interval is how frequently a2 will go to the IMDS server and check for MDSs received while the user has been in the a2 Inbox Automation session. The Examiner check runs only after Inbox Automation is started.

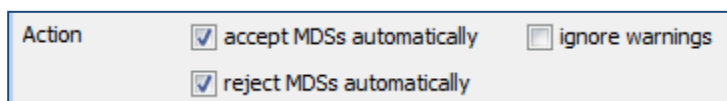
A click on the "Add open MDSs" button starts a search for all open MDS (not yet browsed and browsed) from the In Box. The result is added to the MDS List area. The "Selection of MDS" button allows the user to select specific MDSs from the In Box search screen to add to the MDS List (described below).



3. In the profile section, a previously defined Examiner profile needs to be selected. This profile will be used to review the MDSs in the MDS List.



4. In the action section, the user can select whether the MDSs should be automatically accepted after the Examiner run if there are no errors. In case of errors, the MDS will not be accepted. The user can decide if warnings and/or info messages should be ignored by the automatic accept. If the user marks "ignore warnings" the MDS will be accepted or rejected automatically even if the check result includes warning messages. After automatic accept, the MDS will be removed from the MDS List. The MDSs can also be automatically rejected according to the criteria set in an Examiner profile.



In the MDS list area, the “Selection of MDS” button opens the In Box search screen in a slightly modified manner. The status field of the search criteria is pre-selected with not yet browsed and browsed. These are the only states which can be added to the Inbox Automation. All search criteria can be used in the same manner as for the In Box. From the search results, a single MDSs can be moved from the In Box to the Inbox Automation list with Drag & Drop. Alternatively, all MDSs with the correct state can be added by clicking the apply button. If MDSs with states other than not yet seen or browsed are in the list, they will not be added to the Inbox Automation and a message will inform the user about this. The following picture shows the modified In Box search screen:

The MDS List area in the Inbox Automation contains the MDSs from the In Box that should be processed. After MDSs have been added and the Inbox Automation is started, each entry will be processed by the Examiner and the count of messages of each type will be displayed in the MDS list.

Should you want to change the list of MDSs to examine, it is possible to remove either a single entry or all entries from the list. This feature is available from a popup menu accessed by clicking with the right mouse button in the MDS List area. The following picture shows the MDS List with its buttons and the popup menu:

At the bottom of the window, there are three buttons. The view button is active when an entry in the Out Box is selected. After clicking the view button, the normal MDS detail window is opened. The normal MDS detail window can also be accessed by double clicking on the item in the list. If the result of the Examiner is present for the MDS, then the messages will be shown within the MDS window. The accept button is active after the Examiner run and there were no error messages. The reject button is always active after the Examiner run. After clicking the **Reject** button, the MDS rejection page opens and the reject reason is filled with the messages from the Examiner. There is an option to translate the text into another language (except Japanese, Korean or Chinese). The following screen shows the rejection dialog with the additional features: Only the Examiner error messages can be translated. Any text that you enter cannot be translated.

Reason for denial

Name	Calibrator3.1	ID version	2272566 / 3
transmitted	03/21/2011	from comp.	HP (Core Team) (Mobile Applications) [26505]
on	03/21/2011	Status	browsed
Language	English		

Please enter

Info: C 10 Pt
Info: Gimme

Deutsch
Français
Español
Portugues
Italiano

ins a prohibited substance
not match the given pattern(s).

Send Cancel

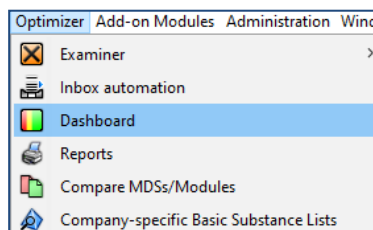
Dashboard

The IMDS-a2 Dashboard function is actually two Dashboards. One Dashboard tracks MDSs and the other tracks Requests. Each Dashboard shows the numbers of each in the different “states” and, where appropriate, flags indicating the criticality of items needing attention based on dates (red-yellow-green). The system uses Red for ‘due today’, Yellow for ‘due in x days’ and Green for ‘due in more than x days’.

For MDS Requests, the Deadline Date is used to sort requests into the date ranges. E.g. a Request with a deadline date greater than today will be within the red range. For MDSs, there is no deadline date within IMDS, so an internal Tolerance in days can be set (Administration – Options) for sent and received MDSs.

The Dashboard views can be configured by selecting suppliers, recipients and own organizational units.

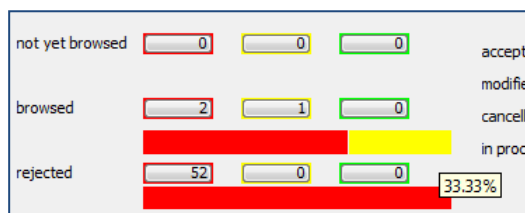
The Dashboard is called by pressing the Dashboard icon  or in menu item Optimizer > Dashboard:



Clicking on the icon  opens a demonstration video on how to use this IMDS-a2 feature.

Depending on the amount of data associated with your company, the Dashboard may take a few minutes to load. However you can work in other windows while waiting for the Dashboard to load.

Whenever you see a “state light”, you can see how the items break down into the related states by percentage by mousing over the desired state and the percentage appears as a tool tip as shown in the following example:



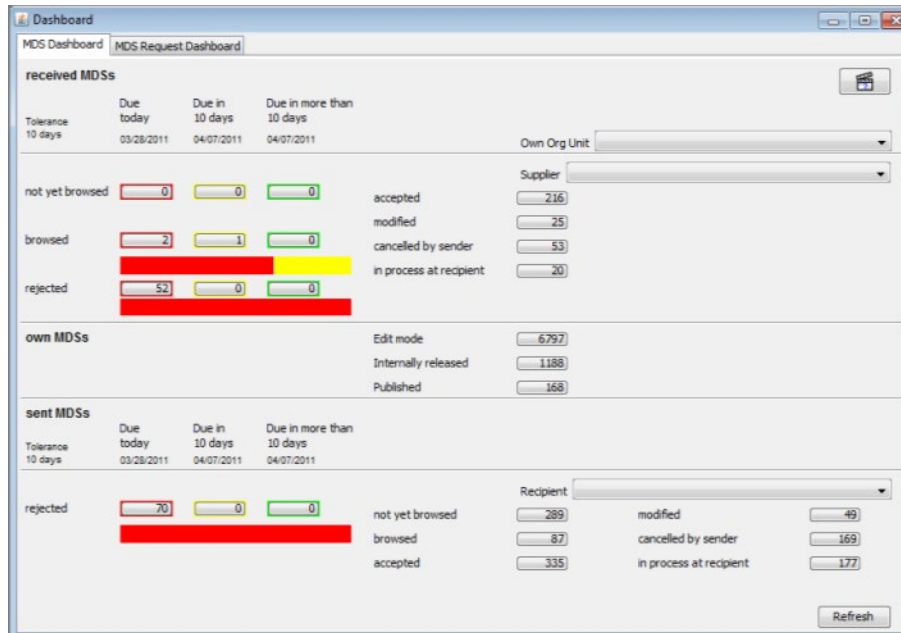
MDS Dashboard

The MDS Dashboard shows all MDS that are visible to your user ID and their current recipient state. Some states are additionally divided into due date ranges red, yellow and green. You may set the range dates yourself by using the Administration > Options menu and setting the ‘yellow limit’.

Red means due today
 Yellow means due between today and ‘yellow limit’ days
 Green means due later than ‘yellow limit’ days

Since technically, an MDS has no due date, a2 uses an virtual due date, that can be also set in the Administration > Options. This ‘MDS tolerance’ is the number of days that are added to the last state change.

The following window shows an example of the MDS Dashboard view.



Example:

The 'yellow limit' is set to 10 days in the Administration > Options menu. Today is May, 1st.

So, the due date ranges are today:

red	yellow	green
≤ May, 1 st	May, 2 nd - May 11 th	> May, 11 th

An MDS is received on May, 1st and has the recipient state 'Not Seen'. The 'MDS tolerance' is set to 15 days. So, the virtual due date of this MDS is may, 1st + 15 days: May 16th.

The due date matrix will look as follows:

On May, 1st,

status red are all MDSs with due date May, 1st and older

status yellow are all MDSs with due dates May, 2nd to May, 11th

status green are all MDSs with due dates May 12th and more

On May, 2nd,

status red are all MDSs with due date May, 2nd and older

status yellow are all MDSs with due dates May, 3rd to May, 12th

status green are all MDSs with due dates May 13th and more

and so on...

	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th
1 st															
2 nd															
3 rd															
4 th															
5 th															
6 th															
7 th															
8 th															
9 th															
10 th															
11 th															
12 th															
13 th															
14 th															
15 th															

So, our example MDS is:

On May, 1st until May, 4th the MDS in status green.

On May, 5th until May, 14th, the MDS in status yellow.

When May, 15th is reached, the MDS will get status red.

Received MDSs

The Received MDSs area of the Dashboard shows all MDSs sent to your company that are visible to your ID (see previous discussions on Org Units). The recipient states **not yet browsed**, **browsed** and **rejected** are separated in due dates and presented in red-yellow-green status areas. Additionally, number of MDSs in the recipient states **accepted**, **modified**, **cancelled by sender** and **in process at recipient** are presented.

Should you click on one of the boxes, a search is performed with the result being all MDSs that fall into the category of the box clicked.

Own MDSs

The Own MDS area of the Dashboard shows high level statistics for MDSs created by your company – those still in Edit mode, the number internally released and the number Published.

Should you click on one of the boxes, a search is performed with the result being all MDSs that fall into the category of the box clicked.

Sent MDSs

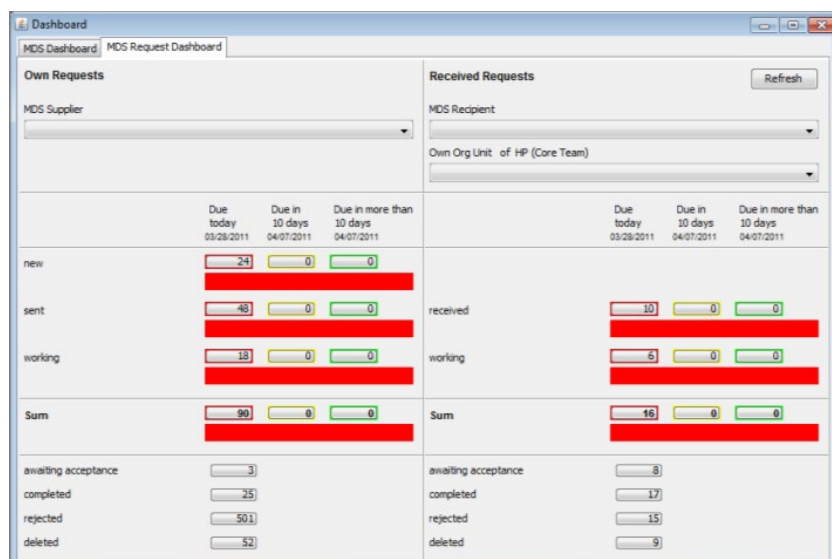
Shows all MDSs sent from your company. Most of the statistics (**not yet browsed**, **browsed**, **accepted**, **modified**, **cancelled by sender** and **in process at recipient**) are presented in a summary format with only the total count presented. MDSs that have been **rejected** do require correction so these items are presented in red-yellow-green format based on the Tolerance value that has been set up in Administration > Options > Dashboard.

Should you click on one of the boxes, a search is performed with the result being all MDSs that fall into the category of the box clicked.

You may configure the Dashboard view by selecting from the dropdown parameters **Own Org.Unit**, **Supplier** or **Recipient**. The supplier dropdown is populated with all suppliers that sent at least one MDS to your company. The recipient dropdown field is populated with all recipients to which your company sent at least one MDS. After changing one of the parameters, the data is refreshed automatically. However, should you have the Dashboard open during your entire session and want to refresh the data, you can click on the Refresh button.

MDS-Request Dashboard

The MDS Request Dashboard shows all own and received MDS and their current state.



Some states are separated into due date ranges: red, yellow and green. You may set the range dates yourself by using the Administration > Options menu and setting the 'yellow limit'.

Red	means due today
Yellow	means due between today and 'yellow limit' days
Green	means due later than 'yellow limit' days

Own Requests

Shows all own Requests. The states **new**, **sent** and **working** are split in due dates.

The recipient states **awaiting acceptance**, **completed**, **rejected** and **deleted** are presented as totals.

Should you click on one of the boxes, a search is performed with the result being all Requests that fall into the category of the box clicked.

Received Requests

Shows all received Requests. The states **received** and **working** are split in due dates.

The recipient states **awaiting acceptance**, **completed**, **rejected** and **deleted** are presented as totals

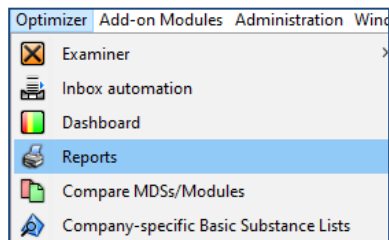
Should you click on one of the boxes, a search is performed with the result being all Requests that fall into the category of the box clicked.

You may configure the Dashboard view by selecting one of the parameters **Own Org.Unit**, **MDS Supplier** or **MDS Recipient**. The MDS Suppliers dropdown field is populated with all suppliers that received at least one MDS Request from you.

The MDS Recipient dropdown field is populated with all recipients, that sent at least one MDS Request to you. After selecting from the dropdown menus, the data is refreshed automatically. You may leave the Dashboard open during your entire a2 session. Should you want to refresh the view at any time during your session, simply click on the Refresh button.

Reports

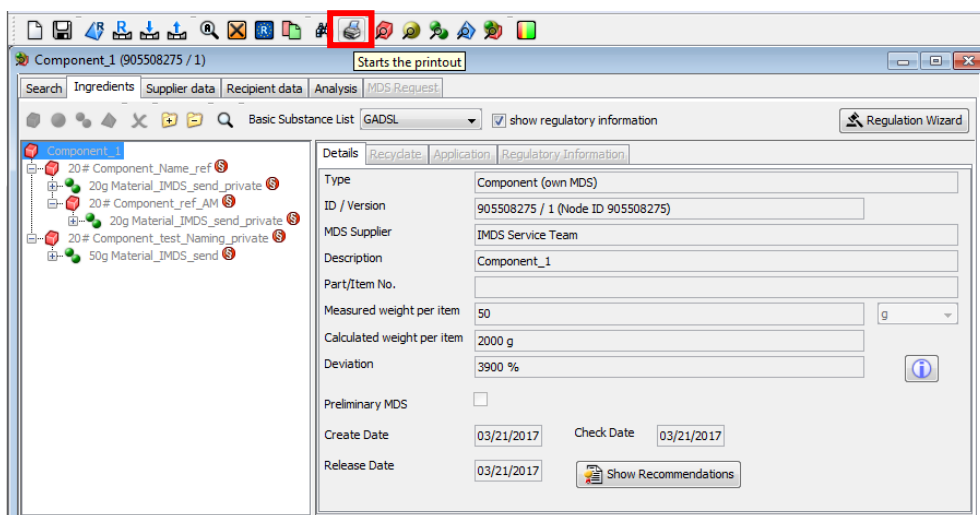
There are several types of reports that can be generated in IMDS-a2. These reports are only available in .pdf format at this time. The security settings only allow printing the .pdf file.



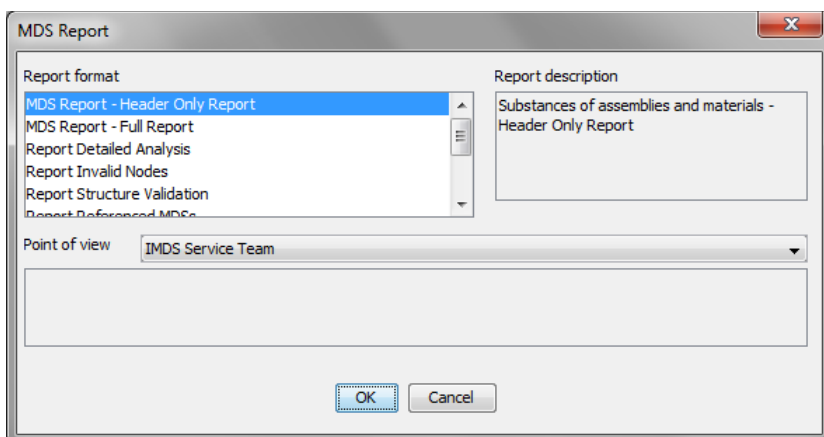
MDS Report

It is possible to print a pdf MDS report (either a “Header Only Report” or a “Full Report”) for all MDSs visible to your company (own MDSs, received MDSs and published MDSs).

The MDS Report can be printed when you are in the Ingredients screen for an MDS by using the printer symbol or the menu item Optimizer > Reports.



The following window appears in which the option can be chosen from which point of view the Report will be printed. For Received or Published, only your company’s view is allowed. From an MDS that has been sent, you can select either the view of your company or the view of your recipient. This is important if the part/item number or description on your ingredients page is not the same as those fields on the recipient data page.



After the choice and clicking “OK” the pdf is created and can now be printed and/or saved:

IMDS ID / Version: 2000021898 / 0.01		Page: 1 / 1	
User: Abdel-Salam, Ahmad		Date: 2/18/24 9:41:54 AM	

MDS Report

Substances of assemblies and materials

This report is for internal Automotive industry use only. Distribution to non-Automotive clients is a violation of the Terms of Use, and is not permitted unless a written permission was given by DXC Technology. Parsing is not allowed.

1. Company and Product Name

1.1 Supplier Data Name (ID): IMDS Service Team (0) DUNS Number: 06-052-1853 Street/Postal Code: Alfred-Herrhausen-Allee 3 - 5 Nat./ZipCode/City: DE 65760 Eschborn Supplier Code: 12-123-1234 Contact Person: Jane Doe - Phone: 2221255 - Fax No.: 2222 - E-Mail Address: john.doe@eds.com	1.2 Product Identification PartItem No.: 1211 Description: 01Copy_inactive MDS References Legacy Spare Part: No Report No.: 1323 Date of Report: 06/11/1999 Drawing No.: 1 Drawing dated: 06/12/1999 Drawing Change Level: ch Purchase Order No.: 223 Bill of Delivery No.: 131313 Preliminary MDS: No Multi Sourced: No IMDS ID / Version: 2000021898 / 0.01 Node ID: 2000021898 MDS Status (Change Date): Edit mode (06/25/2020) Recipient Company (Org Unit) (ID): AB Company Marco (00040) Recipient Status (Change Date): edit mode (06/26/2020)
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Special IMDS-a2 Reports

There are several reports that are available in IMDS-a2 that are not available in the IMDS browser. This section details both existing and planned reports.

Overview of Special IMDS-a2 Reports

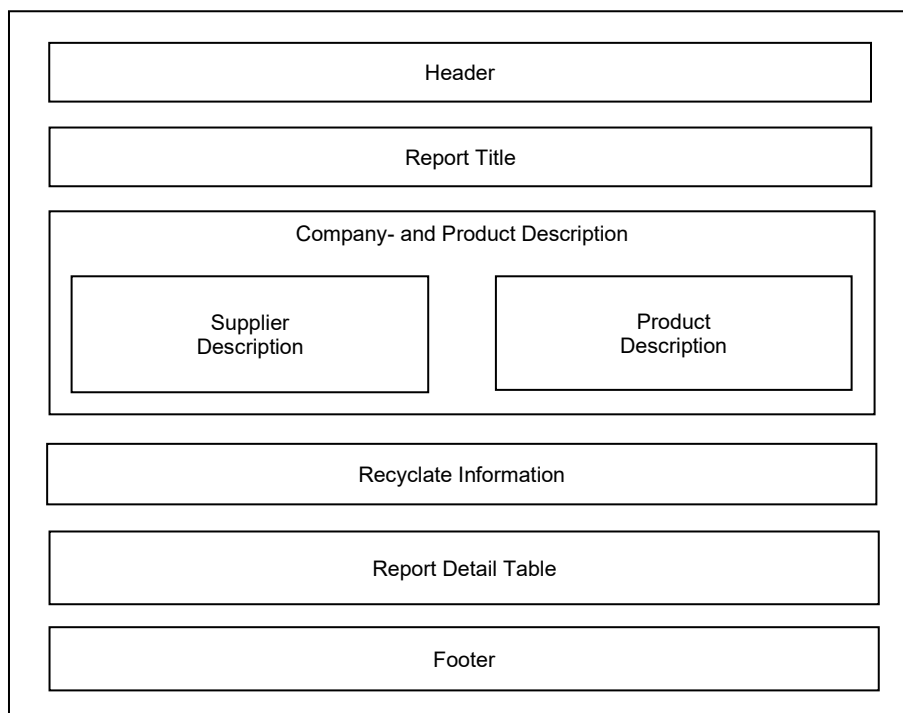
The table below shows all reports that will be generated in the IMDS-a2; the column ID gives a unique reference to be used through the complete documentation of the IMDS-a2 Reporting.

ID	Report name	Report type	Short description
1	MDS Report – Header Only Report	Single Item Report	Only the Header Page (1. Company and Product Name) of the MDS Report will be generated.
2	MDS Report – Full Report	Single Item Report	Initial Sample Report: List the tree structure with all contained nodes
3	Detailed Analysis	Single Item Report	Detailed Analysis Report: Summaries for materials, material classification and substances of a MDS with related masses/ portions for each contained value of each aspect
4	Invalid Nodes	Single Item Report	Unmatched Nodes Report: - all Non-Substance Nodes with no child node - nodes linked to a deleted or not yet released MDS
5	Structure Validation	Single Item Report	Structure Validation Report: - substances with Non-Material parent node - deleted nodes (incl. MDS deleted)
6	Referenced MDSs	Single Item Report	List supplier for each Referenced MDS
7	Sent MDS Statistics	Summary Report (in the Out Box)	List of all MDSs per client, per date and status

ID	Report name	Report type	Short description
8	Sent MDSs Incomplete	Summary Report (in the Out Box)	Which sent MDSs are still outstanding? (IMDS status = not yet browsed, browsed, in process at recipient)
9	Suppliers With Oversized Ranges	Summary Report (in the Analysis)	Which suppliers have datasheets with oversized 'from-to' ranges?
10	Enhanced MDS Statistics	Summary Report (in the Out Box)	To which clients did my company (also possible: Org Units, sender, contact person) send which MDSs?
11	Deleted Substances	Summary Report (in the Analysis)	Which MDSs contain deleted/hidden basic substances/MDSs?
12	Applications and Parts Marking	Single Item Report	Applications and Parts Marking Report: - node with application relevant information - node with parts marking information
13	Declarable Substances	Single Item Report	Substance Usage Report: - substances is forbidden - substance is required to declare
14	Materials according to RRR Categories and IMDS categories	Single Item Report	Report with the calculation of Material content according to: - ISO22628 (RRR)- and - IMDS-categories

Layout of IMDS-a2 Single Item Reports

All single item reports have the same layout, see following figure:



All sections of the single item reports, exclusive the report detail table, have the same general layout - regardless of what single item report is being generated. In following sections, the layout of the report is described while the specific contents of the "report detail table" is described in the section titled with each report type.

The **Header** contains the following information:

Attribute	Remark
IMDS ID / Version	Module ID and Version of the selected MDS

Attribute	Remark
User	Name associated with the ID that generates the report
Page	Actual page number of total pages
Date	Report generation date

The **Report title** contains the following information:

Attribute	Remark
Report title	Title of the report
Subtitle	Report subtitle, used to give more info about the generated report

The **Supplier description** contains the following information:

Attribute	Remark
Name [ID]	Name and IMDS Company ID of the MDS supplier company
DUNS number	DUNS number of the supplier company
Street/P.O.Box	Address of the supplier company
Nat.-Des./Zip/City – Organization unit [ID]	Country code, Zip and city of the supplier company Organization unit name and IMDS ID of the supplier company
– DUNS Number	Supplying Organization unit 's DUNS number
– Street/P.O.Box	Supplying Organization unit's address
– Nat.-Des./Zip/City	Supplying Organization unit's country code, zip and city
Supplier Code	Supplier Code information from recipient data screen
Contact person	Name of supplier contact person associated with the MDS
– Telephone	Telephone number of the contact person
– Fax number	Fax number of the contact person
– E-Mail address	E-Mail address of the contact person

The **Product description** contains the following information from the Recipient data screen:

Attribute	Remark
Part-/Item-Nr	Part-/Item number of the selected MDS's top node
Article Name	Part-/Item name of the selected MDS's top node
Report No.	Sample report number
Date of Report	Sample report's generation date
- Drawing No.	Recipient information (possibly based on your MDS Request)
- Drawing Dated	Recipient information (possibly based on your MDS Request)
- Drawing Change Level	Recipient information (possibly based on your MDS Request)
Purchase Order No.	Purchase order number
Bill of Delivery No.	Bill of delivery number of
Preliminary MDS	Whether or not this is a Preliminary MDS
IMDS ID / Version	IMDS module ID and Version of the selected MDS's top node

Attribute	Remark
MDS Status (Change Date)	Current state of the selected MDS and date of last status change
Recipient Company (Org Unit) [ID]	Name and IMDS company ID of Recipient Company (Org Unit)
Recipient Status (Change Date)	Status of the MDS at the recipient and status change date.
Accepted by/ Rejected by	Name associated with the ID that accepted/rejected the MDS.

The **Recyclate information** contains only following static text:

Text output
Since IMDS Release 3.0 recyclate information is attached to references on certain materials.
Substances that are legally prohibited must not be referenced! Hazardous substances that will be created by or emanate during usage must be declared. Reference: VDA list of declarable substances (see GADSL)

The **Footer** contains following for all reports other than the MDS Report which has the same footer as in the IMDS browser:

Position	Text output
Left	EntServ Deutschland GmbH
Center	Created by IMDS-a2 Optimizer
Right	DXC company logo

MDS Report

Use

This report decomposes a single MDS related node into the complete tree structure together with certain node and relation attributes. This report is exactly the same as the Preview report in the IMDS Web version.

Report Detail

The Report Detail Contains a Header and a table containing the details.

The Report Header contains the following information:

Attribute	Remark
Part/Item Number	The Identifying Part/Item Number
Part Name	The Identifying Name
Report No.	Number of this a2 Report
IMDS ModuleID/Version	IMDS ID, version and Node ID

The report detail provides one line per MDS tree structure node including the usage of this node. It contains the following attributes:

Attribute	Node Type	Remark
Level	Component / Semicomponent / Material / Substance	Column 1 Tree level in the MDS tree structure
Part Name	Component / Semicomponent / Material / Substance	Column 2 Indicates Component / Semicomponent / Material node type: appropriate Component-, Semicomponent- or material name, In case substance node: the substance synonym
Part/Item Number	Component / Semicomponent / Material / Substance	Column 3 In case Component / Semicomponent / Material node type: the appropriate Component-, Semicomponent- or material number In case substance node: the CAS number

Attribute	Node Type	Remark
IMDS ModuleID + IMDS Version	Component / Semicomponent / Material	Column 4 The IMDS ID and version if visible to the company
Quantity	Component	Column 5 Quantity of component in the assembly
Weight [g]	Component / Semicomponent / Material	Column 6 absolute mass value for a certain node, applicable only for Component, Semicomponent or material
Portion [%]	Semicomponent / Material / Substance	Column 7 absolute portion value for a certain node, applicable only for Semicomponent, material or substance
Portion Interval (from – to) [%]	Semicomponent / Material / Substance	Column 8 allowed min and max portion value for a certain node, applicable only for Semicomponent, material or substance
Classification GADSL	Material Substance	Column 9 in case material node the material classification (name / code) in case substance node the GADSL info
Polymer name Recyclate Application	Component Material Substance	Column 10 In case component node: the polymer name of the component In case material node: the recyclate info In case substance node: the application info

Detailed Analysis

Use

This report is the equivalent of running all 6 Analyze options in IMDS Browser.

Report Detail

Report details include three sub tables. It contains the following information:

- Material Classifications:

Attribute	Node Type	Remark
Title of sub table		EN_US: Analysis Material Classifications DE_DE: Klassifikation Analyse
Classification Number	Material	Column 1 Contains the material classification number
Classification Name	Material	Column 2 Contains the classification name
Weight [g]		Column 3 absolute mass value
Portion [%]		Column 4 absolute portion value

- Materials:

Attribute	Node Type	Remark
Title of sub table		EN_US: Analysis Material DE_DE: Material Analyse
Material ID / Version	Material	Column 1 The IMDS ID and version of the material
Classification No.	Material	Column 2 The material classification number
Classification Name	Material	Column 3 The material classification name
Name	Material	Column 4 The name of the material given by the MDS supplier
Weight [g]		Column 5 absolute mass value
Portion [%]		Column 6 absolute portion value

- Basic Substances:

Attribute	NodeType	Remark
Title of sub table		EN_US: Analysis Basic Substance DE_DE: Reinstoff Analyse
Node ID	Substance	Column 1 IMDS Substance Node ID
CAS No.	Substance	Column 2 CAS number
Synonym	Substance	Column 3 Substance synonym
Weight [g]		Column 4 absolute mass value
Portion [%]		Column 5 absolute portion value

Invalid Nodes

Use

The user wants to identify nodes from the tree for which at least one of the following conditions is fulfilled:

- The node does not represent a basic substance but is not decomposed any further (i.e. has no child nodes)
- The node is Top node of a MDS which is not yet released
- The node or its related MDS is deleted

The report provides the user with complete tree structure paths together with nodes that fulfill at least one of the above conditions.

Report Detail

The Report detail contains the following information:

Attribute	Node Type	Remark
Level	Component / Semicomponent / Material	Column 1 Tree level in the MDS tree structure
Article Name	Component / Semicomponent / Material	Column 2 appropriate Component-, Semicomponent- or material name
Part/Item Number	Component / Semicomponent / Material	Column 3 the appropriate Component-, Semicomponent- or material number
IMDS ID/Version	Component / Semicomponent / Material	Column 4 The ID and version number if visible
Node ID	Component / Semicomponent / Material	Column 5 IMDS node ID – applicable only for components

Report Content

Not all nodes of the tree structure are represented in this report. The Invalid Nodes Report shows nodes that

- represent either a Component or a Semicomponent or a Material
- are in the tree of the selected MDS
- are not parent to some sub node (meaning final decomposition down to substances is not defined)
OR
 - are top node of a MDS which is not yet released
 OR
 - are deleted or its related MDS (if existent) are deleted

Along with the level, column 1 may also contain a flag indicating a problem with the node. The following table contains the meaning of images used in report:

Image	Meaning
	The node or its related MDS is deleted
	The node is a parent of a MDS which is not yet released
	The node has no child nodes

Structure Validation

Use

The user wants to identify nodes within the tree for which at least one of the following conditions is fulfilled:

- The node does not represent a Material but is directly decomposed to at least one substance (i.e. wrong parent node type for substance)
- The node or its related MDS (if existent) is deleted

Report Detail

The report detail contains the following information:

Attribute	Node Type	Remark
Level	Component / Semicomponent / Material / Substance	Column 1 Level in the MDS tree structure
Part Name	Component / Semicomponent / Material / Substance	Column 2 In case Component / Semicomponent / Material node type: appropriate Component-, Semicomponent- or material name, In case substance node: the substance synonym
Part/Item Number	Component / Semicomponent / Material / Substance	Column 3 In case Component / Semicomponent / Material node type: the appropriate Component-, Semicomponent- or material number In case substance node: the CAS number
IMDS ID/Version	Component / Semicomponent / Material	Column 4 The IMDS ID and version number if visible
Node ID	Component / Semicomponent / Material / Substance	Column 5 IMDS node id
Quantity	Component	Column 6 Quantity of component used in assembly
Weight[g]	Component / Semicomponent / Material	Column 7 absolute mass value for node, applicable only for Component, Semicomponent or material
Portion [%]	Semicomponent / Material / Substance	Column 8 absolute portion value for node, applicable only for Semicomponent, material or substance
Portion (from – to) [%]	Semicomponent / Material / Substance	Column 9 allowed min and max portion value for node, applicable only for Semicomponent, material or substance
Classification	Material	Column 10 in case material node, the material classification (name / code)
GADSL	Substance	in case substance node, the GADSL info
Parts Marking	Component	Column 11 In case component node: whether the Parts Marking question has been answered
Recyclate Application	Material Substance	In case material node: the recyclate info In case substance node: the application info

Report Content

The Structure Validation Report shows a BOM view of invalid paths, i.e. paths starting with the top node and going down to some invalid node as path end point.

A node that fulfills at least one of the criteria below is considered an invalid node and a path end point:

- The node does not represent a Material but is directly decomposed of at least one substance (i.e. wrong parent node type for substance), i.e. the node represents either a Component or a Semicomponent with a substance as direct child.
- The node or its related MDS (if existent) is "deleted".

Along with the level, column 1 may also contain a flag indicating a problem with the node. The following table contains the meaning of images used in report:

Image	Meaning
	The node or its related MDS is deleted
	The node is wrong parent node type for substance
	The node is wrong parent node type for substance and is deleted

Referenced MDSs

Use

The user wants to identify Components, Semicomponents or Materials contained in the tree in order to inspect the related supplier information.

Report Detail

The report detail contains the following information:

Attribute	Node Type	Remark
Part Name	Component / Semicomponent / Material	Column 1 appropriate Component-, Semicomponent- or material name
Part/Item Number	Component / Semicomponent / Material	Column 2 the appropriate Component-, Semicomponent- or material number
IMDS ID/Version	Component / Semicomponent / Material	Column 3 The IMDS ID/Version if visible
NodeID	Component / Semicomponent / Material	Column 4 IMDS node ID
MDS Status	Component / Semicomponent / Material	Column 5 MDS Status
MDS Company (Name/ID)	Component / Semicomponent / Material	Column 6 company info of MDS's creating company (Company Name / ID)
MDS Org Unit (Name/ID)	Component / Semicomponent / Material	Column 7 organization unit info MDS is assigned to in the creating company (Organization Name / ID)

Sent MDS Statistics

Use

The user wants to get an overview of all MDSs sent to customers. Three different views are available:

- MDSs sorted by receiving company, sending date
- MDSs sorted by sending date
- MDSs sorted by status, receiving company, sending date

Report Detail

The report can be directly created from the Out Box. The amount of result rows is limited to 12,000 rows which corresponds to approx. 1,000 pages.

Sent MDSs Incomplete

Use

The user wants to get an overview of all MDSs sent to customers which have not yet been accepted or rejected. Three different views are available:

- MDSs sorted by receiving company, sending date
- MDSs sorted by sending date
- MDSs sorted by status, receiving company, sending date

Report Detail

The report can be directly created from the Out Box.

The amount of result rows is limited to 12,000 rows which corresponds to approx. 1,000 pages.

Suppliers With Oversized Ranges

Use

The user wants to get an overview of all received MDSs that contain invalid range data according to Recommendation 001 for at least one sub node along with related supplier information.

Report Detail

The report is part of the IMDS-a2 Analysis module. There the user can search for certain thresholds - the results are shown in the result table and can be printed there.

Enhanced MDS Statistics

Use

The user wants to get an extended overview of all MDSs sent to customers. Three different views are available:

- MDSs sorted by receiving company, receiving organization unit, sending date
- MDSs sorted by sending date
- MDSs sorted by contact person associated with the MDS (last name, first name), receiving company, receiving organization unit, sending date

Report Detail

The report can be directly created from the Out Box.

The amount of result rows is limited to 12,000 rows which corresponds to approx. 1,000 pages.

Deleted Substances

Use

The user wants to identify MDSs containing deleted substances/MDSs. Two different scenarios are supported:

- All MDSs sent to the user's company
- All MDSs created by the user's company

Report Detail

The report is part of the IMDS-a2 Analysis module. There the user can search for MDSs containing deleted/hidden substances/MDSs - the results are shown in the result table and can be printed there.

Applications and Parts Marking

Use

The user wants to identify applications and parts marking for all affected nodes.

Report Detail

The report detail contains the following information:

Attribute	Node Type	Remark
Level	Component / Semicomponent / Material / Substance	Column 1 Level in the MDS tree structure
Article Name	Component / Semicomponent / Material / Substance	Column 2 In case Component / Semicomponent / Material node type: appropriate Component-, Semicomponent- or material name, In case substance node: the substance synonym
Part/Item Number	Component / Semicomponent / Material / Substance	Column 3 In case Component / Semicomponent / Material node: the appropriate Component-, Semicomponent- or material number In case substance node: the CAS number
IMDS ID / Version	Component / Semicomponent / Material	Column 4 IMDS ID/Version if visible
IMDS Node ID	Component / Semicomponent / Material / Substance	Column 5 IMDS node ID
Quantity	Component	Column 6 Quantity of component used in the assembly
Weight [g]	Component / Semicomponent / Material	Column 7 absolute mass value for the node, applicable only for Component, Semicomponent or material
Portion [%]	Semicomponent / Material / Substance	Column 8 absolute portion value for the node, applicable only for Semicomponent, material or substance
Parts Marking Application (Name/ID)	Component Substance	Column 9 In case component node: the answer to the parts marking question In case substance node: the application info (Name / ID)

Declarable Substances

Use

The user wants to identify substance nodes within the tree structure for which at least one of the following conditions is fulfilled:

- The substance is forbidden
- Declaration of the substance is required

Report Detail

The report detail table contains the following information:

Attribute	Node Type	Remark
Level	Component / Semicomponent / Material / Substance	Column 1 Level in the MDS tree structure
Article Name	Component / Semicomponent / Material / Substance	Column 2 In case Component / Semicomponent / Material node type: appropriate Component-, Semicomponent- or material name, In case substance node: the substance synonym
Part/Item Number	Component / Semicomponent / Material / Substance	Column 3 In case Component / Semicomponent / Material node: the appropriate Component-, Semicomponent- or material number In case substance node: the CAS number
IMDS ID / Version	Component / Semicomponent / Material	Column 4 The IMDS ID and version if visible
Node ID	Component / Semicomponent / Material / Substance	Column 5 IMDS node ID
Company	Component / Semicomponent	Column 6 In case Component or Semicomponent node: its MDS's creator company (Name / ID)
Classification	Material	In case material node: material classification info (name / code)
Application	Substance	In case substance node: application info (name / ID)
Portion [%]	Substance	Column 7 absolute portion value for a certain node, apply only for substance

Report Content

The Declarable Substances Report shows nodes that

- represent either a Component or a Semicomponent or a Material that contains Declarable and/or Prohibited substances that are children
- represent substances that are prohibited or declarable

Along with the level, column 1 may also contain a flag indicating additional information on the node. The following table contains the meaning of images used in report:

Image	Meaning
	Declaration of the substance is required
	The substance is forbidden
	The substance is forbidden and is required to declare

Materials according to RRR Categories and IMDS Categories

Use

The user wants to identify the weight in the different material classifications of the materials contained:

- according to the categories ISO 22628
- according to IMDS material classification

Report Detail

The report detail tables contain the following information:

a) RRR Categories Report Table

Attribute	Node Type	Remark
ISO 22628 Classification	Material	Column 1 Material classification according to ISO 22628
Weight (g)	Material	Column 2 Overall weight of all materials with this classification
Portion (%)		Column 3 Portion of all materials with this classification contained
Material name	Material	Column 4 appropriate material name
Weight (g)	Material	Column 5 Weight of the single materials with this classification

b) IMDS Categories Report Table

Attribute	Node Type	Remark
No.	Material	Column 1 Material classification number according to IMDS
IMDS Classification	Material	Column 2 Material classification name according to IMDS
Weight (g)	Material	Column 3 Overall weight of all materials with this classification
Portion (%)		Column 4 Portion of all materials with this classification contained
Material name	Material	Column 5 appropriate material name
Weight (g)	Material	Column 6 Weight of the single materials with this classification

Report Content

The Materials according to RRR Categories and IMDS Categories Report shows the material classifications

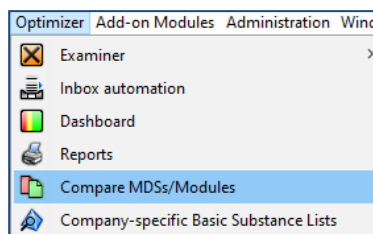
- according to ISO22628 and IMDS
- and the weight as well as the percentages of the materials contained within the different classifications

This means that simple or complex structures can easily be analyzed for material classifications according to ISO 22628 as well as to IMDS material classifications in order to classify and optimize the use of material input.

Compare MDSs/Modules

The Compare MDSs/Modules function allows the comparison of two Datasheets or Modules. It displays all differences in the Ingredients tree, the Supplier Data and the Recipient Data as well as statistical differences like different amounts of GADSL substances or the overall tree size.

To start the MDS/Module comparison, press the button in the icon bar or in the menu or use the Optimizer menu:



Clicking on the icon opens a demonstration video on how to use this IMDS-a2 feature.

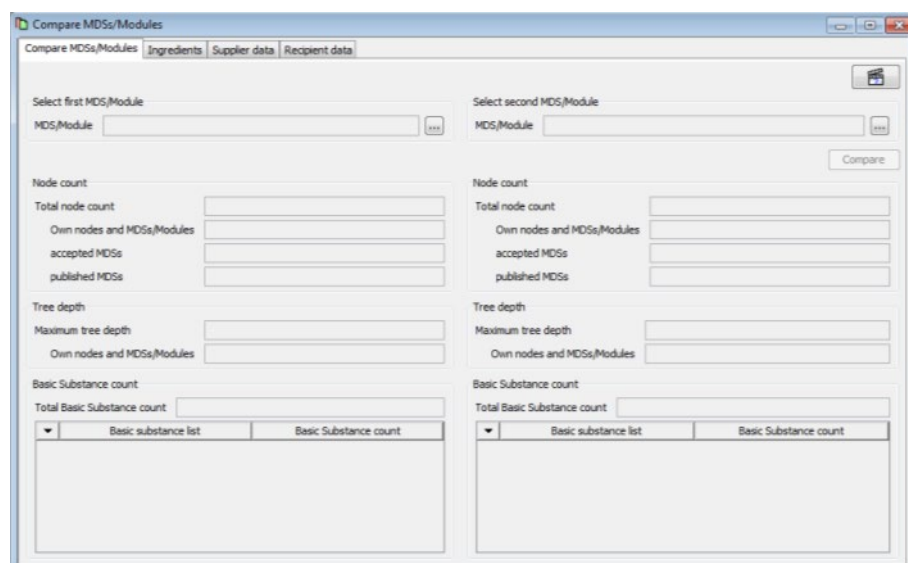
Comparison Icons

There are three icons, you will encounter throughout the whole comparison:

- Indicates a difference.
E.g. if this icon is shown next to a weight, the weight is different in both compared MDSs.
- Indicates an added entry.
E.g. if this icon is shown next to a node in the Ingredients tree, this node is only available in this tree and does not exist in the other one.
- Indicates a removed / not existing entry.
E.g. if this icon is shown next to a node in the Ingredients tree, this node is not available in this tree, but in the other one. For information, why not existing nodes are shown, please refer to “Ingredients Tree Comparison” below.

MDS Selection

The Compare MDSs/Modules window looks as follows:



At the top of the window, there are two lookup fields. To choose, which MDSs or Modules you want to be compared, either drop them on the fields or press the Button to open the MDS/Module search, where you can press the “Apply” or the “Apply & Close” button after selecting an entry from the search result.

As soon as there are two MDSs/Modules selected, the “Compare” button is becomes enabled. Press it to start the comparison.

Statistics and Overview

After starting the comparison, all fields are automatically filled in:

As shown in the screenshot, all measured values, which are not equal in both MDSs/Modules are marked with the difference icon ().

Also the tabs “Compare MDSs/Modules”, “Ingredients”, “Supplier data” and “Recipient data” are marked, if differences have been found in the values visible in this screen. Tabs and values which are not marked do not show different values.

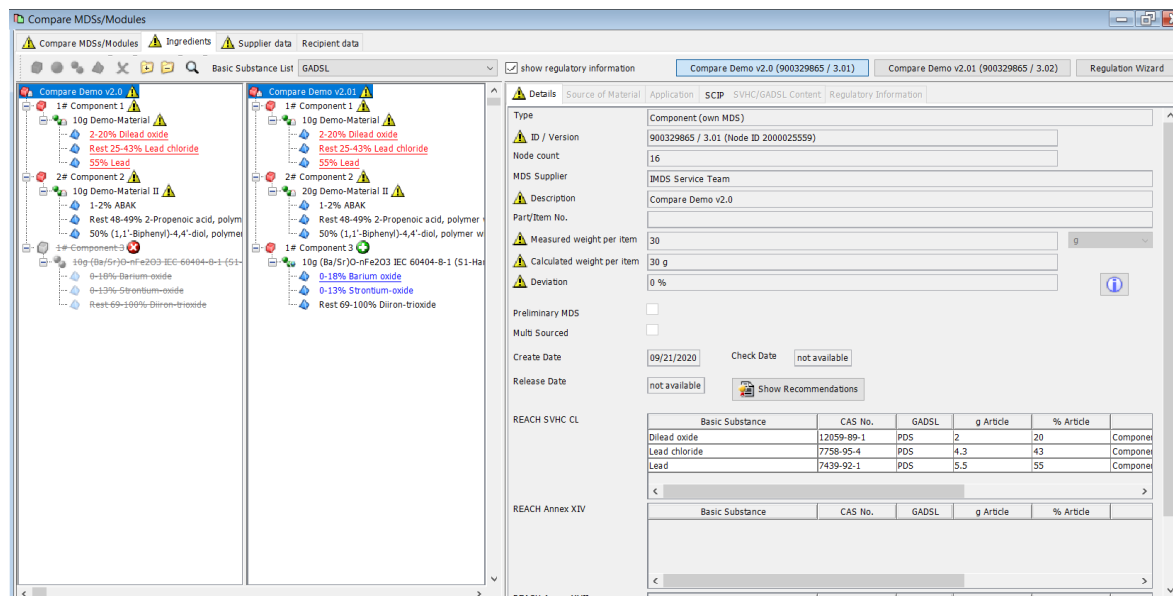
The compared values in this screen are:

Total node count	The total amount of nodes and referenced MDSs/Modules in the tree. Basic substances are not counted.
Own nodes and MDSs/Modules	The amount of own nodes and referenced own MDSs/Modules in the tree. Own published MDSs are also counted.
Accepted MDSs	The amount of referenced accepted MDSs in the tree.
Publishes MDSs	The amount of referenced published MDSs in the tree. MDSs published by your own company are not counted.
Maximum tree depth	The highest depth in the tree. If a MDS only contains children with no children on their own, the depth is 1. Each level of children of children increases the depth by one. Basic substances are not counted.
Own nodes and MDSs/Modules	The highest depth in the tree excluding referenced accepted or published MDSs or Basic Substances.
Total Basic Substance count	The total amount of Basic Substances in the tree.
Basic Substance lists	This list shows the amount of Basic Substances that are part of a certain Basic Substance List. The lists available here are the same that can be selected for highlighting in the Ingredients tree.

Ingredients Tree Comparison

Important differences to ordinary “Ingredients” screen

The ingredients tab looks different comparing MDSs or Modules:



Both compared MDSs/Modules are shown in a separate tree. When selecting a node in one tree, the corresponding one in the other tree is automatically selected, too. The same applies to expanding and collapsing nodes. When scrolling, both trees scroll simultaneously.

There is no context menu available in these trees and functions like “add reference” or “delete” are also deactivated. Overall, editing is not possible during comparison.

The coloring in these trees also differs from the usual behavior. All nodes – even those beneath referenced ones – are shown in black or red instead of being gray (which normally indicates that they cannot be modified). When comparing, gray color is reserved for not existing nodes.

If a tree contains a node, which does not exist in the compared tree, the Compare MDSs/Modules screen shows this in different ways. First, the existing node in the first tree is marked with a icon, while an equivalent node marked as “not existing” () is shown in the compared tree. Additionally this not existing one is displayed in gray color, stroked and with gray icons. This way, the synchronous scrolling, selecting and expanding/collapsing in both trees is ensured.

Viewing comparison results in “Ingredients” screen

Differences in the trees can be easily found by following the yellow icons. If two opposite nodes are marked with this icon, at least one difference has been found within this node.

If there are changes in the Details, the Recyclate or the Application tab, these tabs are marked. Within open tabs, all changed fields also show this icon.

If there are no changes in these tabs, but the node is marked as “changed”, one of the node’s children has been modified. Find a child with the icon. If this child also doesn’t show any differences in the three tabs, you need to go deeper into the tree and have a look at the child’s children, and so on.

If you have found a data field marked as “changed”, you can view the different values in both trees by switching to the opposite node. This can be done by either selecting the opposite node in the other tree, or by using the two buttons in the top right corner to select for which tree you want to view the details. The buttons show the name, ID and version of the tree’s top node.

When switching to a not existing node, the right part of the screen will stay empty.

If the Details tab of a node contains a list (e.g. the list of Norms for Materials), these lists may contain entries with the / icons. Entries marked with the icon are also displayed in gray (like in the tree). They are entries, which do only exist in the list within the opposite node. Entries marked with are entries that do not exist in the other node.

Supplier Data Comparison

When comparing two Modules, the Supplier Data screen cannot be selected. If at least one of the compared entities is a Datasheet, you will see the following screen:

The screenshot shows a window titled 'Compare MDSs/Modules' with four tabs: 'Compare MDSs/Modules', 'Ingredients', 'Supplier data', and 'Recipient data'. The 'Supplier data' tab is active. The window is split into two halves, each showing data for a different module.

Field	Calibrator 3.1-CopyTest (2272566 / 3.02)	Calibrator 3.1 (2272566 / 3)
MDS/Module	Calibrator 3.1-CopyTest (2272566 / 3.02)	Calibrator 3.1 (2272566 / 3)
Company	HP (Core Team)	HP (Core Team)
DUNS Number	11-111-1118	11-111-1118
Eisenstr. 56	DE 65428 Rüsselsheim	DE 65428 Rüsselsheim
Organization Unit	HP (Core Team)	Mobile Applications
DUNS Number	11-111-1118	-
Eisenstr. 56	DE 65428 Rüsselsheim	DE 65429 Rüsselsheim
Contact Person	Artaufmeyer, Robert	Sandmann, Bernd
Telephone No.	370	
Fax No.	399	
e-mail	thomas.schaefer@eds.com	thomas.schaefer@eds.com
active	Yes	Yes

The supplier data screen is split into two halves, one for each MDS. At the top of each half you can see the MDS's name and ID/version, while beneath you can see the standard supplier data. Again, you can see the icon on each field which shows different values in both MDSs.

Note that a difference in one field might cause a difference in others. E.g. a different Contact person is likely to result in different contact details like phone number or email address.

Recipient Data Comparison

Like the Supplier Data screen, the Recipient Data screen is split into two halves, but cannot be selected, if comparing two Modules. Again, at the top of each half there is the name and ID/version of the compared MDSs.

When selecting a recipient from the recipient list, it is also selected in the opposite table, if it exists there. If there is a change in the recipients detail data, the first column of the table shows the icon.

If one MDS contains a recipient, which is not included in the other MDS's recipient list, a icon is shown in the first column. Note that no gray entries with a icon are shown in the Recipient Data screen. When selecting a -marked entry, all rows in the opposite table become deselected:

The screenshot shows the same 'Compare MDSs/Modules' window, but with the 'Recipient data' tab active. The window is split into two halves, each showing a table of recipients.

No.	Type	Recipient (Org Unit) [ID]	Description
1	HP (Trash) [Design] [8115]	Calibrator 3.1-CopyTest	
2	Volkswagen (---) [107]	Calibrator 3.1	

No.	Type	Recipient (Org Unit) [ID]	Description
1	Feru (---) [31789]		
2	HP (Trash) [Design] [8115]	Calibrator 3	

By pressing the "View" button or by double clicking on a row, you can open the details screen. This screen is also split into two parts:

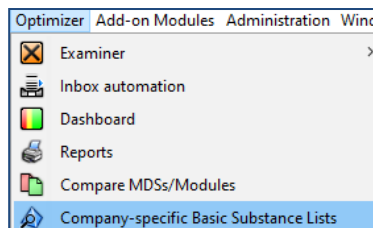
Company data	
⚠ Status	edit mode
Recipient	HP (Trash) (Design)
Company- / Org.-ID	8116
⚠ Part/Item No.	
⚠ Description	Calibrator3.1-CopyTest
⚠ Drawing No.	
Drawing dated	
⚠ Drawing Change Level	
Report No.	
Date of Report	(MM/DD/YYYY)
Purchase Order No.	
Bill of Delivery No.	
⚠ Supplier Code	11-111-1118
⚠ Transmission/Check Date	not available
⚠	☒ Forwarding allowed
⚠ Status	accepted
Recipient	HP (Trash) (Design)
Company- / Org.-ID	8116
⚠ Part/Item No.	zzzz66
⚠ Description	Calibrator3
⚠ Drawing No.	zzz
Drawing dated	
⚠ Drawing Change Level	42
Report No.	
Date of Report	(MM/DD/YYYY)
Purchase Order No.	
Bill of Delivery No.	
⚠ Supplier Code	
⚠ Transmission/Check Date	05/08/2006
⚠	☐ Forwarding allowed
Previous Next Finish Cancel	

A ⚠ icon appears in front of all fields, which show different data in both MDSs. When viewing the data for a recipient, which is only available in one MDS, the other side of this screen will stay empty.

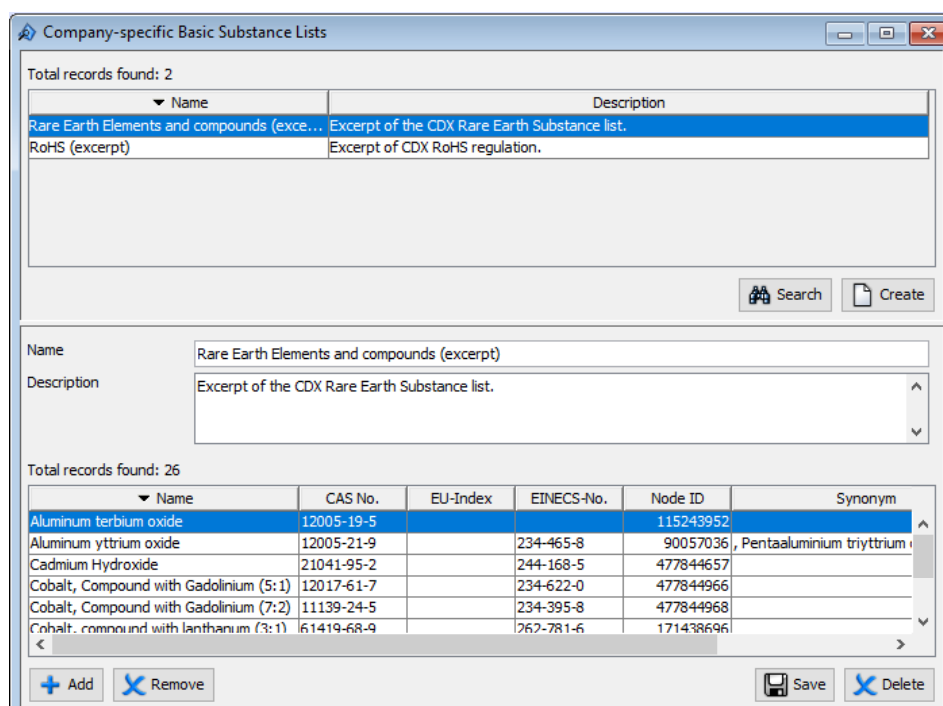
Company-specific Basic Substance Lists

Company-specific Basic Substance Lists can be used by every IMDS-a2 user of your company. The Company Administrator is responsible to create and maintain such lists.

As a Company Administrator please use the respective Optimizer menu to create, maintain or delete a Company-specific Basic Substance List:



If you have already created company-specific lists, they will be displayed right after launch in the upper area of the opened window, while the lower part of the window shows the name, description and the contained substances of the selected Company-specific Basic Substance List:



You can Search for existing lists, Create a new list or Delete an existing list with the corresponding buttons in the window. The Search can be re-executed. To create a new list, please click on "Create":

Name: My new Company-specific Basic Substance List

Description: Description for this new list

Total records found: 3

Name	CAS No.	EU-Index	EINECS-No.	Node ID	Synonym
(Benzo[thiazol-2-ylthio)methyl thiocyan...	21564-17-0	-	244-445-0	96037	2-(Thiocyanomethylthio)benze
1,2-Benzisothiazol-3(2H)-one, 2-butyl-	4299-07-4			80333269	
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,...	4719-04-4		225-208-0	110	

Buttons: + Add, X Remove, Save, Delete

Now you can enter a Name and a Description in the middle of the window for your new company-specific Basic Substance List. Substances can be added using drag and drop after pushing the “Add” button in the lower left corner of the window. Substances can also be added by copying up to 10,000 CAS-numbers. Use the button “Add multiple Substances”, copy the CAS-numbers separated by a space, new line or tab into the pop-up window and press “Apply”.

CAS No.

Please provide a list of CAS No. to load. The CAS No. can be separated by space

1002-53-5 72828-69-4 628-81-9 33724-17-3
 1002-53-5 72828-69-4 62887-06-3 33791-58-1
 10025-67-9 72829-33-5 628-92-2 3385-41-9
 10025-73-7 72845-34-2 628-94-4 3385-41-9
 10025-73-7 72845-76-2 628-94-4 33878-50-1
 10025-91-9 72869-39-7 629-14-1 3407-42-9
 10025-91-9 72869-39-7 629-20-9 3407-42-9
 10026-17-2 72928-02-0 629-20-9 34077-87-7

Buttons: Apply, Cancel

The CAS-numbers will be resolved and added to the Substance list.

Assigned substances can be removed using the “Remove” button. The “Save” button saves the entered data.

Your company-specific Basic Substance Lists are available for all IMDS-a2 users in your company in the following functions of the IMDS-a2 application:

- MDS Ingredients tab as Basic Substance List Filter – indicated by the prefix “CS: “
- Basic Substance Search (Groups) – indicated by the prefix “CS: “
- Where-Used Analysis (Basic Substance Lists) – indicated by the prefix “CS: “
- Analysis & Reporting Module – as separate additional analysis criteria

Calibrator (905528616 / 0.01)

Search Ingredients Supplier data Recipient data Analysis MDS Request

Basic Substance List: GADSL

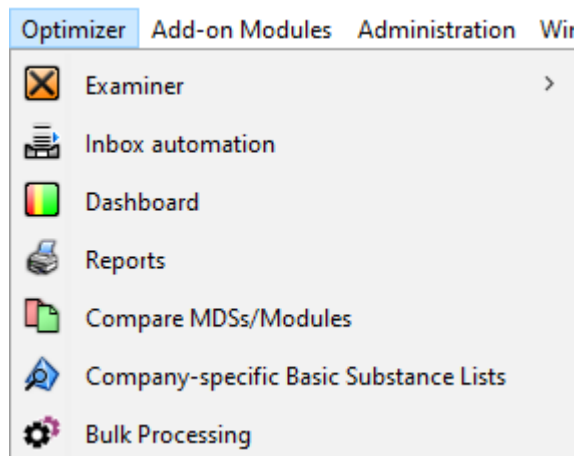
Details Recydate

Type: Process Chemicals, REACH Annex XIV, Renault Black, Renault Complete, Renault Gray, Renault Orange, CS: RoHS (excerpt), CS: Rare Earth Elements and compounds (excerpt)

Bulk Processing

By using the Bulk Processing module, the IMDS-a2 user can automatically process multiple MDSs and generate Analysis report data for these MDSs. These reports contain data about Materials, Classifications and Basic substances used in the MDS similar to the Analysis tab in the MDS detail window for one MDS.

The Bulk processing can be accessed from the Optimizer menu:



After selecting "Bulk Processing" from the menu, a new window opens. The window is divided into a control section and a worklist section and action buttons at the bottom of the window.

The "Selection of MDSs" button opens a new MDS search window. After having found the MDSs to be processed, the user can use drag and drop to add the MDSs to the Bulk Processing window. The "Clear" button resets the whole window to its default values.

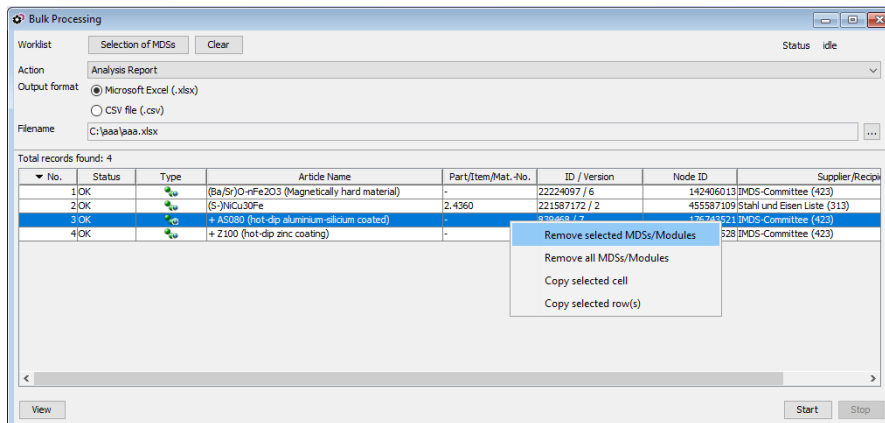
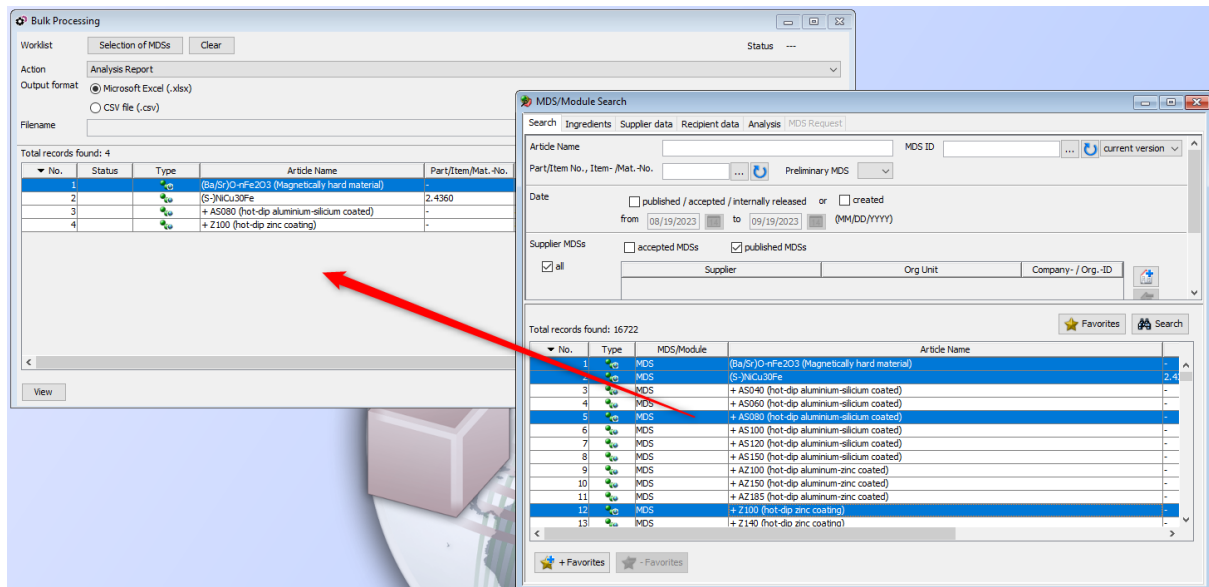
The user can select the type of the output report. It can either be *.XLSX or *.CSV. Additionally, the file name and the location where the output report should be saved need to be selected.

Having added MDSs to the worklist table, the user can right-click which will show two possible actions:

- "Remove selected MDSs/Modules" removes the selected MDSs/Modules from the table and will not consider these for processing.
- The second menu is "Remove all MDSs/Modules" which empties the entire table.

At the bottom of the panel, there are three buttons:

- The button "View" opens the selected MDS in a new window.
- The button "Start" allows to launch the processing of the MDSs/Modules inside the table and a report is generated after the processing is finished.
- The button "Stop" ends the running process and writes the report for the finished MDSs (status: OK) only.



If the Analysis Report is chosen to be in the *.XLSX format, the Classification-, Material- and Substance information is stored in three Excel worksheets:

Material

	A	B	C	D	E	F	G	H	I	J	K	L
1	Name	Part/Item No.	ID / Version	Node ID	MDS Supplier	Weight	Classification	ID / Version	Material	Percent	Weight	
2	(Ba/Sr)O-nFe2O3 (Magnetically hard mater		22224097 / 6	142406013	IMDS-Committee (423)	0.0	7.2 Ceramics / glass	22224097 / 6	(Ba/Sr)O-nFe2O3 (Magnetically hard material)	100 %	-	
3	(S-)NiCu30Fe	2.4360	221587172 / 2	455587109	Stahl und Eisen Liste (313)	0.0	3.4 Nickel alloys	221587172 / 2	(S-)NiCu30Fe	100 %	-	
4	+ AS040 (hot-dip aluminium-silicium coate		145525920 / 6	611734913	IMDS-Committee (423)	0.0	2.1 Aluminium and alloys	145525920 / 6	+ AS040 (hot-dip aluminium-silicium coated)	100 %	-	
5	+ ZA130 (hot-dip zinc-aluminium coated)		839293 / 10	540314771	IMDS-Committee (423)	0.0	3.3 Zinc alloys	839293 / 10	+ ZA130 (hot-dip zinc-aluminium coated)	100 %	-	
6	+ ZN20/20 (Zinc-nickel coating e-plated)		839858 / 3	73281292	IMDS-Committee (423)	0.0	3.3 Zinc alloys	839858 / 3	+ ZN20/20 (Zinc-nickel coating e-plated)	100 %	-	
7	008Cr27Mo (Stainless and heat resisting st		141642793 / 1	141642793	IMDS-Committee / ILL Metals (18986)	0.0	1.1.2 highly alloyed	141642793 / 1	008Cr27Mo (Stainless and heat resisting steel)	100 %	-	
8												
9												

Classification

	A	B	C	D	E	F	G	H	I	J
1	Name	Part/Item No.	ID / Version	Node ID	MDS Supplier	Weight	Classification	Description	Percent	Weight
2	(Ba/Sr)O-nFe2O3 (Magnetically hard material)		22224097 / 6	142406013	IMDS-Committee(423)	0.0	7.2	Ceramics / glass	100 %	-
3	(S-)NiCu30Fe	2.4360	221587172 / 2	455587109	Stahl und Eisen Liste(313)	0.0	3.4	Nickel alloys	100 %	-
4	+ AS040 (hot-dip aluminium-silicium coated)		145525920 / 6	611734913	IMDS-Committee(423)	0.0	2.1	Aluminium and aluminium alloys	100 %	-
5	+ Z600 (hot-dip zinc coating)		35420593 / 6	176743547	IMDS-Committee(423)	0.0	3.3	Zinc alloys	100 %	-
6	+ ZA130 (hot-dip zinc-aluminium coated)		839293 / 10	540314771	IMDS-Committee(423)	0.0	3.3	Zinc alloys	100 %	-
7	+ ZF140 (hot-dip zinc-iron coating)		839825 / 11	540314264	IMDS-Committee(423)	0.0	3.3	Zinc alloys	100 %	-
8	+ ZN20/20 (Zinc-nickel coating e-plated)		839858 / 3	73281292	IMDS-Committee(423)	0.0	3.3	Zinc alloys	100 %	-
9	008Cr27Mo (Stainless and heat resisting steel)		141642793 / 1	141642793	IMDS-Committee / ILL Metals(18986)	0.0	1.1.2	highly alloyed	100 %	-

Basic Substances

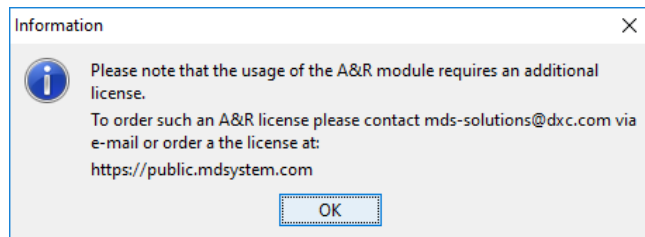
A	B	C	D	E	F	G	H	I	J	K
1 Name	Part/Item No.	ID / Version	Node ID	IMDS Supplier	Weight	CAS No.	Basic Substance	GADSL / SVHC	Percent	Weight
2 (Ba/Sr)O-nFe2O3 (Magnetically hard material)		22224097 / 6	142406013	IMDS-Committee(423)	0.0	1309-37-1	Diliron-trioxide	-	84.5 %	-
3 (Ba/Sr)O-nFe2O3 (Magnetically hard material)		22224097 / 6	142406013	IMDS-Committee(423)	0.0	1304-28-5	Barium oxide	D	9 %	-
4 (Ba/Sr)O-nFe2O3 (Magnetically hard material)		22224097 / 6	142406013	IMDS-Committee(423)	0.0	1314-11-0	Strontium-oxide	-	6.5 %	-
5 (S)NiCu30Fe	2.4360	221587172 / 2	455587109	Stahl und Eisen Liste(313)	0.0	7440-02-0	Nickel	D	66.204807 %	-
6 (S)NiCu30Fe	2.4360	221587172 / 2	455587109	Stahl und Eisen Liste(313)	0.0	7440-50-8	Copper	D	30.403605 %	-
7 (S)NiCu30Fe	2.4360	221587172 / 2	455587109	Stahl und Eisen Liste(313)	0.0	7439-89-6	Iron	-	1.600901 %	-
8 (S)NiCu30Fe	2.4360	221587172 / 2	455587109	Stahl und Eisen Liste(313)	0.0	7439-96-5	Manganese	-	0.801202 %	-
9 (S)NiCu30Fe	2.4360	221587172 / 2	455587109	Stahl und Eisen Liste(313)	0.0	7440-48-4	Cobalt	D	0.400601 %	-
10 (S)NiCu30Fe	2.4360	221587172 / 2	455587109	Stahl und Eisen Liste(313)	0.0	7440-21-3	Silicon	-	0.2003 %	-
11 (S)NiCu30Fe	2.4360	221587172 / 2	455587109	Stahl und Eisen Liste(313)	0.0	7429-90-5	Aluminium (metal)	-	0.2003 %	-
12 (S)NiCu30Fe	2.4360	221587172 / 2	455587109	Stahl und Eisen Liste(313)	0.0	7440-32-6	Titanium	-	0.12018 %	-
13 (S)NiCu30Fe	2.4360	221587172 / 2	455587109	Stahl und Eisen Liste(313)	0.0	7440-44-0	Carbon	-	0.06009 %	-
14 (S)NiCu30Fe	2.4360	221587172 / 2	455587109	Stahl und Eisen Liste(313)	0.0	7704-34-9	Sulphur	-	0.008012 %	-
15 + AS040 (hot-dip aluminium-silicium coated)		145525920 / 6	611734913	IMDS-Committee(423)	0.0	7429-90-5	Aluminium (metal)	-	90.4945 %	-
16 + AS040 (hot-dip aluminium-silicium coated)		145525920 / 6	611734913	IMDS-Committee(423)	0.0	7440-21-3	Silicon	-	9.5 %	-
17 + AS040 (hot-dip aluminium-silicium coated)		145525920 / 6	611734913	IMDS-Committee(423)	0.0	7439-92-1	Lead	DP / SVHC	0.005 %	-
18 + AS040 (hot-dip aluminium-silicium coated)		145525920 / 6	611734913	IMDS-Committee(423)	0.0	7440-43-9	Cadmium	DP / SVHC	0.0005 %	-
19 + Z600 (hot-dip zinc coating)		35420593 / 6	176743547	IMDS-Committee(423)	0.0	7440-66-6	Zinc (metal)	-	98.9945 %	-
20 + Z600 (hot-dip zinc coating)		35420593 / 6	176743547	IMDS-Committee(423)	0.0	7439-89-6	Iron	-	0.5 %	-
21 + Z600 (hot-dip zinc coating)		35420593 / 6	176743547	IMDS-Committee(423)	0.0	7429-90-5	Aluminium (metal)	-	0.5 %	-
22 + Z600 (hot-dip zinc coating)		35420593 / 6	176743547	IMDS-Committee(423)	0.0	7439-92-1	Lead	DP / SVHC	0.005 %	-
23 + Z600 (hot-dip zinc coating)		35420593 / 6	176743547	IMDS-Committee(423)	0.0	7440-43-9	Cadmium	DP / SVHC	0.0005 %	-

Having chosen *.CSV as output format, the Bulk Processing module will save the results distributed over three files using the defined filename and the postfixes "-classification.csv", "-material.csv" and "-substance.csv".

Analysis & Reporting Module Description

This additional IMDS-a2 module provides unlimited analysis of your IMDS MDSs with revised and refined analysis capabilities. It needs to be [licensed](#) separately from the IMDS-a2.

Using the menu Add-on Modules > Analysis & Reporting opens the analysis window. For users without a valid license the below message is displayed when opening the window or when trying to launch an Analysis, which is not allowed without a license:



Users with a valid license can analyze their MDSs with basic criteria, which are displayed as shown below:

Analysis & Reporting

Storyboard

You can find your analysis results in the table below. The results can be exported as a Microsoft Excel sheet (XLSX) or CSV file using the File | Export as ... menu. Furthermore a PDF file can be created using the print button in the toolbar. For Substance related analysis types, a Substance Report can be generated listing all resulting MDSs including the found Substances by pressing the "Substance Report" button.

Type of MDS: **MDS/Module**

Analysis criteria: **Component**

Article Name: **Semicomponent**

Material: **Material**

Part/Item No.: **Out Box**

Date: ☐ published / accepted / internally released or ☐ created

from: 10/17/2020 to: 11/17/2020 (MM/DD/YYYY)

Supplier MDSs: ☒ accepted MDSs ☐ published MDSs

☐ all

Supplier: Org Unit: Company- / Org.-ID

Own MDSs/Modules: ☒ own MDSs ☒ own Modules

Assigned Org Unit: Assigned Contact: ☐ last edited by me ☐ obsolete

Analysis criteria - GADSL / SVHC Category

duty-to-declare: ☒ Yes ☐ No ☐ N.A.

prohibited: ☒ Yes ☐ No ☐ N.A.

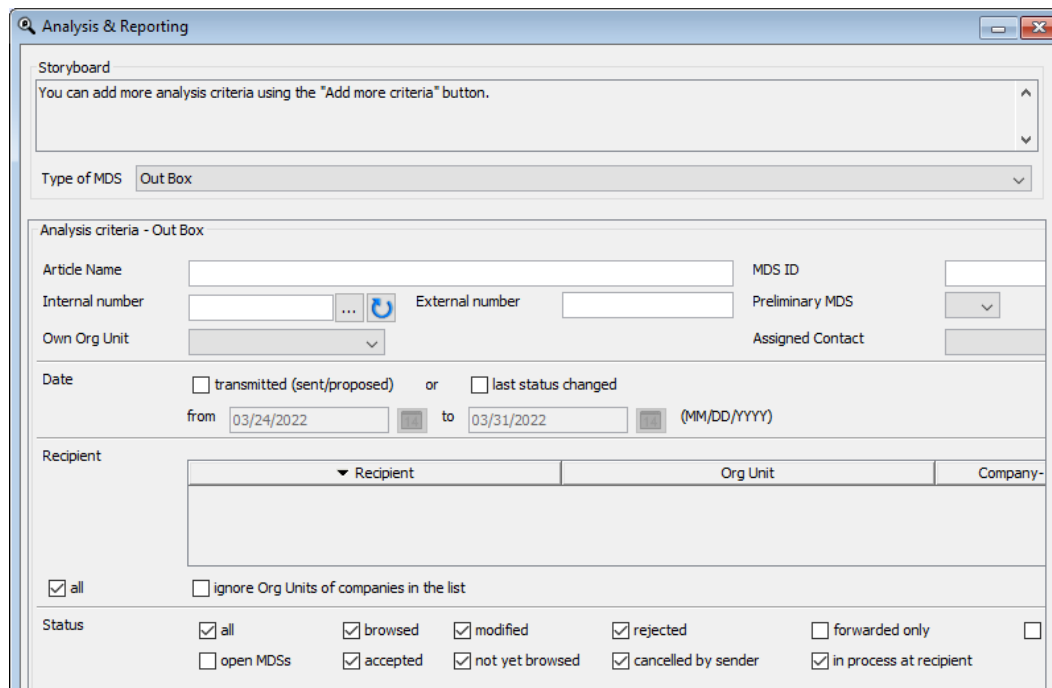
REACH-SVHC: ☒ Yes ☐ No ☐ N.A.

Total records found: 9

Substance Report Add more criteria Analyze

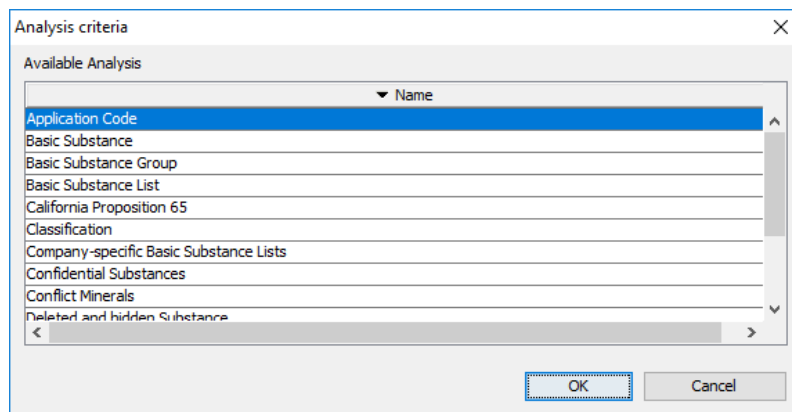
No.	Type	Article Name	Part/Item/M...	ID / Version	Node ID	Supplier/Recipient
1	Examiner Test MDS	123	901635127 / 0.01	901635127	IMDS Service Team (0)	
2	FN_Test part 0110	9990000234	900401230 / 0.01	900401230	IMDS Service Team (0)	
3	My Test component IH	123456789	903439091 / 0.01	903439091	IMDS Service Team (0)	
4	PM test for Honda	-	900000520 / 0.01	900000520	IMDS Service Team (0)	
5	RecyTest GG 0001	GG.RECY.0001	900000043 / 0.01	900000043	IMDS Service Team (0)	
6	SubstApplAnalysisTest	-	900218442 / 0.01	900218442	IMDS Service Team (0)	
7	SubstApplAnalysisTest	-	900218444 / 0.01	900218444	IMDS Service Team (0)	

The Storyboard area above contains tips for you to know, what to do or what's done. There are different types of MDSs, which can be analyzed separately: MDS / Modules, Component, Semi-component, Material and Outbox. Changing the type of MDSs to be analyzed leads to changes in the "MDS Selection" area – in the following picture for the type Outbox which allows to analyze MDSs sent to customers.



You can set additional criteria as already known from other search windows. Clicking the

Add more criteria



Selecting a criterion and pressing OK adds the corresponding Analysis Criteria panel to the Analysis & Reporting window.

You can add more criteria and sort the selected criteria in the window by using the buttons or to move Criteria panels up or down, or to remove panels.

Every Analysis Criteria panel has different supported parameters, which can be filled/selected for your analysis (e.g. aggregation type, amount/weights, basic substance, substance group or list, classification). Thresholds and ranges for percentages and weights can be considered in the analysis, not only the test for existence. Typical “reference” for percent or weight thresholds are homogeneous material and article for most of the analysis criteria.

The following Analysis Criteria are available:

- Application Code
- Basic Substance
- Basic Substance Group
- Basic Substance List
- California Proposition 65
- Classification
- Company-specific Basic Substance Lists
- Confidential Substances
- Conflict Minerals
- Deleted and hidden Substances
- Deleted, hidden and obsolete MDS/Modules
- GADSL / SVHC Category
- MDS/Module
- REACH Regulations (SVHC, Annex XIV, Annex XVII)
- Threshold Range
- Source of material, including circular materials

Multiple analysis can be combined – results can be input for succeeding analysis options. With the Aggregation Type you can pass MDSs fulfilling the selected criteria to or you can remove those MDSs from the next stage / result of the analysis.

A new Substance report is available to export the analysis results. This report however, is only available for Substance-based reports. In other words, the last analysis criterion must be a substance-related one, e.g. Substance Group, Substance List, ...

Clicking "Substance Report", a dialog allows to define the output format and the file name. Users are able to choose between "Multi-Lines Report" or "Single Line Report":

A master/detail report is created first listing the MDS details followed by the Substance details. Only MDSs with substances fulfilling the search criteria are listed.

If "Single Line Report" is chosen the result file contains a list of MDSs according to the set analysis criteria.

MDS	Name	MDS ID	Node ID	Supplier (Org. Unit) (ID No.)	Part/Item/Mat.-No.	Substance	CAS No.	GADSL / SVHC	Node ID	Name	qArticle	% Article	Amount	Group/List Membership
41	T5 Component with SCP data	200070302	100	200070302	100	Lead	7439-92-1	SPD	200070302	T5 Component with SCP data	10	25.5	-	Appl. mt. subst. REACH Annex 100 Group 2
42	T5 Component with SCP data	200070302	100	200070302	100	Lead	7440-42-9	SPD	200070302	T5 Component with SCP data	0.5	0.25	-	Appl. mt. subst. REACH Annex 100 Group 2
43	T5 Component with SCP data	200070302	100	200070302	100	Lead	7440-42-9	SPD	200070302	T5 Component with SCP data	10	5	-	Appl. mt. subst. REACH Annex 100 Group 2
44	T5 Component with SCP data	200070302	100	200070302	100	Lead	7440-42-9	SPD	200070302	T5 Component with SCP data	10	5	-	Appl. mt. subst. REACH Annex 100 Group 2
45	T5 Component with SCP data	200070302	100	200070302	100	Lead	7440-42-9	SPD	200070302	T5 Component with SCP data	10	5	-	Appl. mt. subst. REACH Annex 100 Group 2
46	T5 Component with SCP data	200070302	100	200070302	100	Lead	7440-42-9	SPD	200070302	T5 Component with SCP data	10	5	-	Appl. mt. subst. REACH Annex 100 Group 2
47	T5 Component with SCP data	200070302	100	200070302	100	Lead	7440-42-9	SPD	200070302	T5 Component with SCP data	10	5	-	Appl. mt. subst. REACH Annex 100 Group 2
48	T5 Component with SCP data	200070302	100	200070302	100	Lead	7440-42-9	SPD	200070302	T5 Component with SCP data	10	5	-	Appl. mt. subst. REACH Annex 100 Group 2
49	T5 Component with SCP data	200070302	100	200070302	100	Lead	7440-42-9	SPD	200070302	T5 Component with SCP data	10	5	-	Appl. mt. subst. REACH Annex 100 Group 2
50	T5 Component with SCP data	200070302	100	200070302	100	Lead	7440-42-9	SPD	200070302	T5 Component with SCP data	10	5	-	Appl. mt. subst. REACH Annex 100 Group 2
51	T5 Component with SCP data	200070302	100	200070302	100	Lead	7440-42-9	SPD	200070302	T5 Component with SCP data	10	5	-	Appl. mt. subst. REACH Annex 100 Group 2
52	T5 Component with SCP data	200070302	100	200070302	100	Lead	7440-42-9	SPD	200070302	T5 Component with SCP data	10	5	-	Appl. mt. subst. REACH Annex 100 Group 2
53	T5 Component with SCP data	200070302	100	200070302	100	Lead	7440-42-9	SPD	200070302	T5 Component with SCP data	10	5	-	Appl. mt. subst. REACH Annex 100 Group 2
54	T5 Component with SCP data	200070302	100	200070302	100	Lead	7440-42-9	SPD	200070302	T5 Component with SCP data	10	5	-	Appl. mt. subst. REACH Annex 100 Group 2

MDS information listed in the report:

- No.
- MDS Type
- Name
- Part/Item/Mat.-No.
- ID / Version
- Node ID
- Supplier/Recipient

Substance information listed in the report:

- Type
- Substance name
- CAS No.
- GADSL / SVHC
- Article Node ID
- Article Name
- Article number
- g Article (only for reference "Article")
- % Article / % H.-Mat.
- Article Amount (only for reference "Article")
- Group/List Membership
- Tier 1 Supplier Information

The column "Amount" shows the number of usages of the substance/article combination in the component located above the article. Let say your article is a screw and this screw is used 8 times in the above seat assembly, then the amount would show 8.

If the Article has no parent Component for which the amount can be shown a “-” will be shown instead (“-1” in CSV reports).

No.	MDS Type	Name	Part/Item/Mat.-No.	ID / Version	Node ID	Supplier/Recipient	g Article	% Article	# Article	Group/List Membership
Type	Substance name	CAS No.	GADSL / SVHC	Article Node ID	Article Name					
3	Component	Test	-	2000170230 / 1	2000170230	IMDS Service Team (0)				
13	Substance	5-tert-Butyl-2,4,6-trinitro-m-xylene	81-15-2	SPD	2000170230	Test	0,003	0,3	-	REACH Annex XIV, RNES B 00027 - Complete, RNES B 00027 - Prohibited, SVHC, Per and Poly- fluoroalkyl substances (PFAS)
14	Substance	Diarsenic-trioxide	1327-53-3	SPD	2000170230	Test	0,197	19,7	-	REACH Annex XIV, REACH Annex XVII Group 2, C 00027 - Complete, RNES B 00027 - Prohibited, SVHC, Per and Poly- fluoroalkyl substances (PFAS)
15	Substance	Hexabromocyclododecane	25637-99-4	SP-	2000170230	Test	0,71	71	-	REACH Annex XIV, RNES B 00027 - Complete, RNES B 00027 - Prohibited, SVHC, Per and Poly- fluoroalkyl salts and related compounds
16	Substance	Diarsenic-pentaoxide	1303-28-2	SPD	2000170230	Test	0,09	9	-	REACH Annex XIV, REACH Annex XVII Group 2, C 00027 - Complete, RNES B 00027 - Prohibited, SVHC, Per and Poly- fluoroalkyl substances (PFAS)
17	4 Component	Component_scip	-	2000170231 / 1.01	2000170240	IMDS Service Team (0)				
18	Substance	1,2,3-Trichloropropane	96-18-4	S-D	2000170240	Component_scip	50	50	-	Process Chemicals, REACH Annex XVII Group 2, C 00027 - Complete, RNES B 00027 - Prohibited, SVHC, Per and Poly- fluoroalkyl substances (PFAS)

The output format "Microsoft Excel" is only available for smaller reports since the number of rows is limited in the Microsoft Excel application. In these cases, the CSV format should be used instead.

Examples for Analysis Criteria:

Analysis criteria - Application Code

Application Code: 5 - Battery

Amount / Weight: Existence

Reference: n.a.

Aggregation type: ☒ Pass MDSs fulfilling this criteria to the next stage / result of the analysis ☐ Remove MDSs fulfilling this criteria from the next stage / result of the analysis

Check for MDS/Modules using the given Application Code.

Analysis criteria - California Proposition 65

Analysis type: California Proposition 65

Amount / Weight: >= 1.0 %

Reference: >=

Aggregation type: ☒ Pass MDSs fulfilling this criteria to the next stage / result of the analysis ☐ Remove MDSs fulfilling this criteria from the next stage / result of the analysis

Check for substances underlying the California Proposition 65.

Analysis criteria - GADSL / SVHC Category

duty-to-declare: ☐ Yes ☐ No ☒ N.A.

prohibited: ☐ Yes ☐ No ☒ N.A.

REACH-SVHC: ☐ Yes ☐ No ☒ N.A.

Amount / Weight: >= 1.0 %

Reference: >=

Aggregation type: ☒ Pass MDSs fulfilling this criteria to the next stage / result of the analysis ☐ Remove MDSs fulfilling this criteria from the next stage / result of the analysis

Check for substances using different GADSL / SVHC categories and/or thresholds/ranges.

Analysis criteria - Reach Regulations (SVHC, Annex XIV & Annex XVII)

Analysis type: Reach Regulations (SVHC, Annex XIV & Annex XVII)

Amount / Weight:

Reference: Homogeneous Material

Aggregation type: Homogeneous Material

Article - (Criteria can only be applied to Component MDSs and will filter out all non-Component MDS)

☐ Remove MDSs fulfilling this criteria from the next stage / result of the analysis

Check for materials/articles containing REACH relevant substances (REACH SVHC, Annex XIV, Annex XVII).

Analysis criteria - Basic Substance

Basic Substance:

Amount / Weight:

Reference: Homogeneous Material

Aggregation type: ☒ Pass MDSs fulfilling this criteria to the next stage / result of the analysis

☐ Remove MDSs fulfilling this criteria from the next stage / result of the analysis

Add tier1 information ☒

The user can chose to have Tier 1 supplier information displayed in substance-based reports.

SCIP (Substances of Concern In articles as such or in complex objects (Products))

SCIP Attributes In order to help companies to fulfil their duties within the EU's SCIP database, IMDS provides the possibility to collect data necessary for SCIP.

For **Component MDSs** you can add the following attributes:

1. SCIP Number and SCIP Submission Number (refer to data uploaded to SCIP).
2. First Submission Date and Last Submission Date are available if the component MDS was submitted.
3. If an MDS is submitted to SCIP a message confirms the submission "This MDS has been submitted to SCIP by IMDS". Assume SCIP Defaults and Include classification 9.x are available if the component MDS was submitted.
4. Production in European Union: You can choose from four options either EU Produced, EU Imported, EU Produced and Imported or No Data which is the default chosen value.
5. SCIP Article Category:
 - The User can assign SCIP Article Categories through the Add button "+", which opens a lookup for Article Categories. The lookup initially shows default SCIP Article Categories which have been imported into IMDS, but a search functionality is provided to allow filtering for desired Taric Code(s).
 - The User can select a single or multiple Article Category/-ies and "Apply" these to the current component. A popup for notification appears if a pre-assigned Article Category was selected.
 - Selected Article Categories appear in a table in the ingredients section "SCIP". The User can remove any of the assigned Article Categories at any time by selecting the respective row in the Article Category table and clicking the remove "-" button.
 - Saving the Component will also save the Article Category assignment to this component.
 - Creating a new Component MDS, the default Article Category/-ies appear(s) in the Article Category table.
 - If a new version or a copy of the Component MDS is created or this MDS is forwarded and if this Component did not have any Article Categories assigned before, the default Article Category/-ies is(are) assigned to the Component and added to the Article Category table.
 - For each Article Category assigned to the Component, an icon "?" is provided in the Article Category table to allow the User to see the full description for the assigned SCIP Article Categories.
6. SVHC Safe Use Instructions Required: This can be checked in case there are safe use instructions available for this component.
7. Safe Use Instructions: The User can specify the safe use instructions in this box.

New Component (-1 / 0.01)

Search Ingredients Supplier data Recipient data Analysis MDS Request

Basic Substance List GADSL ☒ show regulatory information

New Component

Details Recycle Application Regulatory Information SCIP

SCIP No.

SCIP Submission No.

Production in European Union No Data

Article Category

Taric Code	Description Level 1	Description Level 2	Description Level 3	Descriptions Levels 4 - 10

Safe Use Instructions Required ☐

Safe Use Instructions

IMDS-a2 Optimizer - Version 13.0-1 | alaa2, alaa2 - IMDS Service Team [0] (uid=imaa0013, target=DEV)

File Search Optimizer Add-on Modules Administration Windows Help

CL Fuel REACH Matl Class 9.x (2000219406 / 1)

Search Ingredients Supplier data Recipient data Analysis MDS Request

Basic Substance List GADSL ☒ show regulatory information

CL Fuel REACH Matl Class 9.x

14 Sprint 18: R217.1 Fuel

Details Recycle Application SCIP Regulatory Information

SCIP No. fd06dbde-4693-4fd2-95ec-ba3a0573d72e

SCIP Submission No. GSW116571-01

First Submission Date 10/20/2021

Last Submission Date 10/20/2021

Assume SCIP Defaults Yes

Include classification 9.x Yes

This MDS has been submitted to SCIP by IMDS.

Production in European Union No Data

Article Category

Taric Code	Description Level 1	Description Level 2	Description Level 3	Descriptions Levels 4 - 10
8708999790	Vehicles, aircraft, vessels and assoc...	Vehicles other than railway or tramw...	Parts and accessories of the motor v...	Other parts and accessories > Other > Oth...

SIHC Safe Use Instructions Required ☒

Safe Use Instructions

Wear respiratory PPE - Provide adequate ventilation.
H224- Flammable, confined vapor can be explosive.
H360Fd Suspected Reprotoxin.

Article Category

Taric Code

Description Level 1 Vehicles, aircraft, vessels and as...

Description Level 2 -

Description Level 3 -

Description Level 4 -

Taric C...	Description Le...	Description Le...	Description Le...	Descriptions Levels 4...
860110...	Vehicles, aircra...	Railway or tra...	Rail locomotive...	Powered from an ext...
860120...	Vehicles, aircra...	Railway or tra...	Rail locomotive...	Powered by electric a...
860210...	Vehicles, aircra...	Railway or tra...	Other rail loco...	Diesel-electric locomo...
860290...	Vehicles, aircra...	Railway or tra...	Other rail loco...	Other >
860310...	Vehicles, aircra...	Railway or tra...	Self-propelled r...	Powered from an ext...
860390...	Vehicles, aircra...	Railway or tra...	Self-propelled r...	Other >
860400...	Vehicles, aircra...	Railway or tra...	Railway or tra...	
860500...	Vehicles, aircra...	Railway or tra...	Railway or tra...	

Apply Cancel

8. For **Material MDSs**, SCIP Material Categories can be assigned:

- SCIP Material Category is available in the ingredients screen for material types.
- If a new Material is created, the default SCIP material categories are assigned.
- The SCIP Material Category List contains all available categories for this material.

- Each row in the list contains [Identifier - Category type - Description Level 1-Description Level 2(if available)-Description Level 3(if available)]

- Categories can be added or removed in the menu of the list
- A right click on list displays three possible actions: add, remove categories or reset to default.
- Changing the chosen classification results in a dialog asking "Do you want to replace the SCIP Material Category based on the mappings as well ?"

Ide...	Type	Description Level 1	Description Level 2
66600	Material category	textile fibre and other fibres	elastodiene
66601	Material category	textile fibre and other fibres	elastane
66602	Material category	textile fibre and other fibres	glass fibre (textile fibre)
66603	Material category	textile fibre and other fibres	elastomultiester
66604	Material category	textile fibre and other fibres	elastolefin
66605	Material category	textile fibre and other fibres	melamine
66606	Material category	textile fibre and other fibres	fibres obtained from miscellaneous or
66607	Material category	textile fibre and other fibres	polypropylene/polyamide bicomponent
66608	Material category	textile fibre and other fibres	other synthetic fibres

Classification	Name
5.1	Thermoplastic
5.1.a	filled Thermoplastic
5.1.b	unfilled Thermoplastic
5.2	Thermoplastic
5.3	Elastomers / e
5.4	Duromers
5.4.1	Polyurethane
5.4.2	Unsaturated polyester
5.4.3	Other duromers

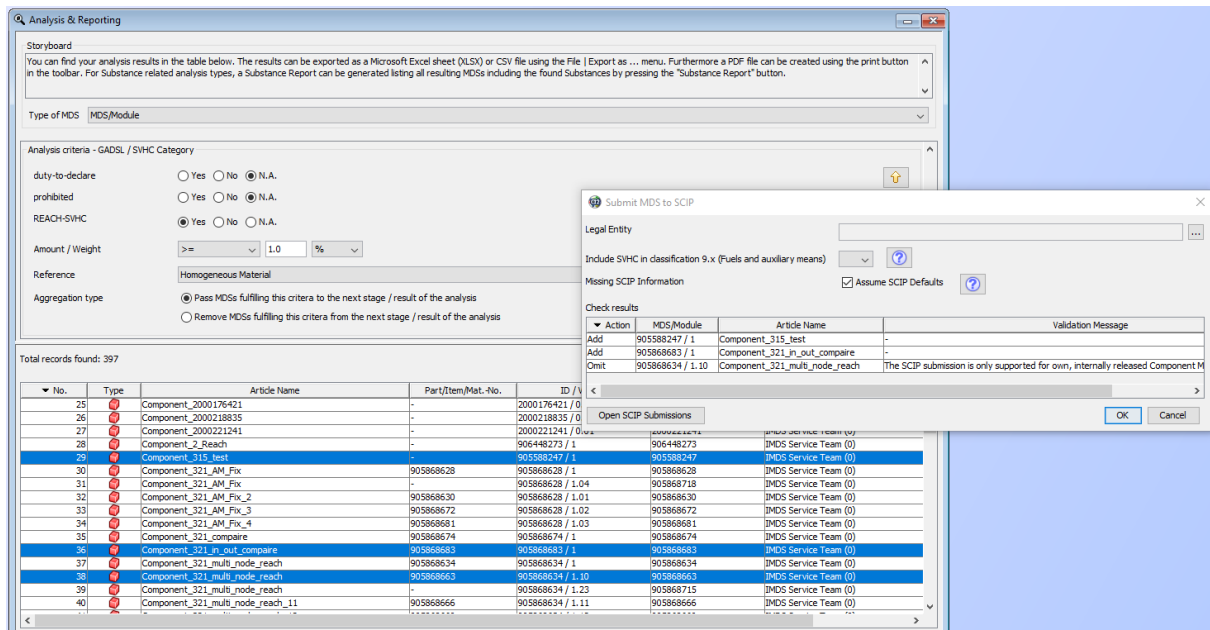
9. Additional Material Characteristics

- This field is available in the Details page of the material under the SCIP Material Category field and disabled by default.
- After selecting another material category, this field becomes enabled.

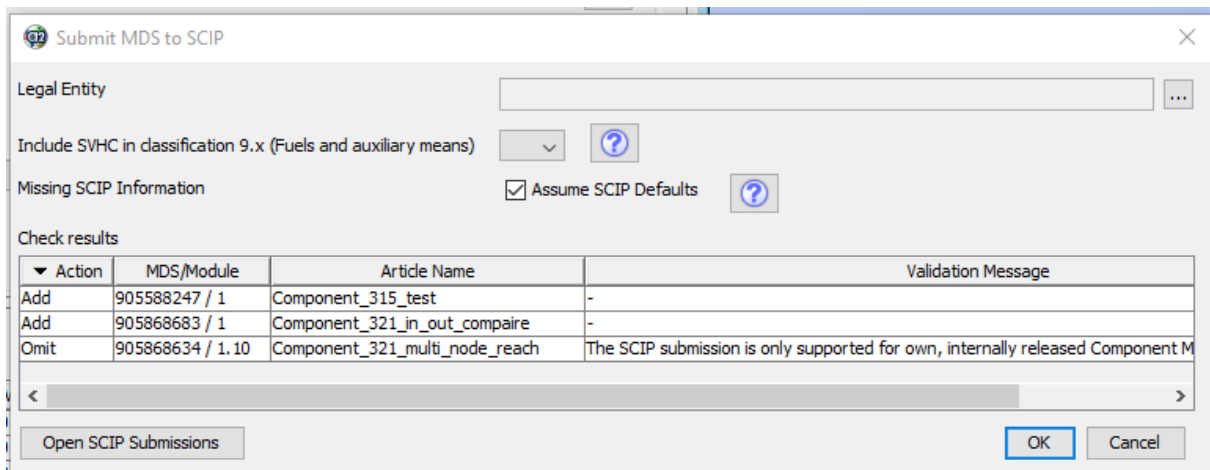
SCIP Bulk Submission

The new Bulk SCIP interface of the IMDS-a2 allows you to submit multiple MDSs per user interaction (a “bulk” of MDSs) to SCIP. This Bulk SCIP module perfectly harmonizes with the Analysis & Reporting add-on module of the IMDS-a2 but it can also be used with the Where-Used Analysis, Component search, MDS/Module search and the Outbox search.

The following screenshot shows the Bulk SCIP Submission functionality in combination with the Analysis & Reporting module. Simply mark all MDSs previously analyzed and to be submitted to SCIP and launch the “Submit MDS to SCIP” function using the toolbar icon or the File | Submit MDS to SCIP menu.



The "Submit MDS to SCIP" dialog is displayed and allows to define the S2S Key to be used for the submissions.



In this screen the user can choose how to handle classification 9 from the drop-down list "Include SVHC in classification 9.x (Fuels and auxiliary means)", The drop-down list contains three values: blank (default), yes and no.

Pressing "..." a list of all defined S2S Keys for the root company and all Org.-Units is shown and the User can pick one S2S Key.

The User can further define if the IMDS-a2 should assume default values when the MDS or referenced MDSs do not contain the mandatory SCIP information by checking the field "Assume SCIP defaults". Pressing the Help button displays an overview on the defaults values assumed by IMDS.

By clicking "OK" the listed MDSs are first validated and then scheduled for submission to SCIP.

Using Search | SCIP Submissions the below window is opened. It lists all submitted MDSs including the submission state, SCIP Submission No, SCIP No. and other meta data:

SCIP Submissions

Article Name: ID: All versions:

Part/Item No.: Node ID:

State: ☒ Submitted ☒ Failed ☒ Default Selection
☒ Completed ☒ Not yet submitted

Date: Create Date: from to (MM/DD/YYYY)

Total records found: 309

Article Name	Part/Item No.	ID / Version	Node ID	State	State Change Date	Create Date	Submission Date	SCIP Submiss
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Completed	2021-03-31	2021-03-31	2021-03-31	LFY211644-3C
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 1	2000158608	Completed	2021-03-31	2021-03-31	2021-03-31	LFY413977-1C
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Completed	2021-03-31	2021-03-31	2021-03-31	LFY969303-07
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Completed	2021-03-31	2021-03-31	2021-03-31	LFY489401-16
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 1	2000158608	Completed	2021-03-31	2021-03-31	2021-03-31	LFY539669-97
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 1	2000158608	Completed	2021-03-31	2021-03-31	2021-03-31	LFY293134-25
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Test	-	2000157606 / 1	2000157606	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 1	2000158608	Completed	2021-03-31	2021-03-31	2021-03-31	LFY142661-26
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-

Submit MDS to SCIP

The supported search parameters are the same as in IMDS Web. Additionally, IMDS-a2 allows to search for a NodeID.

For each of the MDSs a SCIP dossier is created internally and this dossier is submitted to SCIP. ECHA returns a SCIP submission No. for every successfully submitted MDS. Potential errors are documented in the column "Error message".

The next step is the receipt of the SCIP No. for the submitted MDSs from ECHA. This is done in an asynchronous process since processing at ECHA might take some time until the submission is fully processed and the SCIP No. is assigned. Completely processed submissions are displayed in the state "Completed".

Links to MDS Details and ECHA

When selecting a submission and right clicking, the below popup menu is opened.

Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 1	2000158608	Completed	2021-03-31	2021-03-31	2021-03-31	LFY539669-97
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 1	2000158608	Completed	2021-03-31	2021-03-31	2021-03-31	LFY293134-25
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-
Test	-	2000157606 / 1	2000157606	Submission failed	2021-03-31	2021-03-31	-	-
Sprint 13 - SVHC no longer present	Sprint 13 - SVHC no longer present	2000158608 / 3	2000158807	Submission failed	2021-03-31	2021-03-31	-	-

Selecting "Edit" or double clicking the submission, the corresponding MDS Detail window is opened.

If a SCIP Submission No. is already assigned to the submission, the menu "Open SCIP Submission at ECHA" is activated. Clicking the menu, a browser window is opened and the web page for the submission on the ECHA website is shown.

When a SCIP Validation Report exists for the given submission, the menu "SCIP Validation Report" is activated. Clicking the menu, a browser window is opened and the web page containing the Validation Report on the ECHA website is shown.

Alternatively, the user can use "drag and drop" to drag multiple MDSs from a source window like the A&R window into the SCIP Submissions window to initiate the submission of the dropped MDSs.

Analysis & Reporting

Storyboard

You can find your analysis results in the table below. The results can be exported as a Microsoft Excel sheet (XLSX) or CSV file using the File | Export as ... menu. Furthermore a PDF file can be created using the print button in the toolbar. For Substance related analysis types, a Substance Report can be generated listing all resulting MDSs including the found Substances by pressing the "Substance Report" button.

Type of MDS: Component

Own MDSs/Modules: ☒ own MDSs ☐ own Modules

Assigned Org Unit: ☐ last edited by me

Assigned Contact: ☐ obsolete

Analysis criteria - GADSL / SVHC Category

duty-to-declare: ☐ Yes ☐ No ☒ N.A.

prohibited: ☐ Yes ☐ No ☒ N.A.

REACH-SVHC: ☒ Yes ☐ No ☐ N.A.

Amount / Weight: >= 0.1 %

Reference: Article - (Criteria can only be applied to Component MDSs and will filter out all non-Component MDS)

Aggregation type: ☒ Pass MDSs fulfilling this criteria to the next stage / result of the analysis ☐ Remove MDSs fulfilling this criteria from the next stage / result of the analysis

Total records found: 101

Substance Report Add more criteria Analyze

No.	Type	Article Name	Part/Item/M...	ID / Version	Node ID	Supplier/Recipient
3		Biocide/REACH Component with Node	123	906128240 / 1	906128240	IMDS Service Team (0)
4		Component_2_Reach	-	-	-	-
5		Component_321_AM_Fix	-	-	-	-
6		Component_321_compair	-	-	-	-
7		Component_321_in_out_compair	-	-	-	-
8		Component_321_multi_node_reach	-	-	-	-
9		Component_321_reach	-	-	-	-
10		Component_321_reach_compair	-	-	-	-
11		Component_321_reach_in	-	-	-	-
12		Component_357_test_own2	-	-	-	-
13		Component_906468398_906468379	-	-	-	-
14		Component_906469473_child_905528...	-	-	-	-

SCIP Submissions

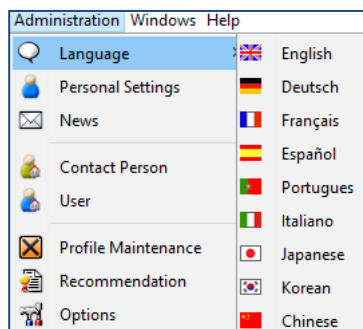
State Ch...	Create Date	Submission D...	SCIP Submission ...	SCIP No.	Assume SCIP Defaults	Error Message
021-02-18	2021-02-18	[null]	[null]	[null]	X	[null]
021-02-17	2021-02-17	[null]	[null]	[null]	X	[null]
021-02-17	2021-02-17	UDM296796-06	[null]	[null]	X	[null]
021-02-17	2021-02-17	UDM700272-30	51ef50c0-a662-4...	X	[null]	[null]
021-02-17	2021-02-17	UDM434997-09	85e50f40-5878-4...	X	[null]	[null]
021-02-17	2021-02-17	UDM600700-43	bb594bd0-ec66-4...	X	[null]	[null]
021-02-17	2021-02-17	UDM990621-24	19377e49-d7fc-4...	X	[null]	[null]
021-02-17	2021-02-17	UDM999171-11	85e50f40-5878-4...	X	[null]	[null]
021-02-17	2021-02-17	UDM289267-11	85e50f40-5878-4...	X	[null]	[null]
021-02-17	2021-02-17	[null]	[null]	[null]	X	[null]

Details

Administration

Language

The Administration > Language menu allows you to change the language without logging off IMDS. Changing the language will refresh the screen so that everything will appear in the selected language. It will not only affect the language of labels and layout elements, but also the default language for Material MDS names, the language of the check result and the languages the Recommendation documents.

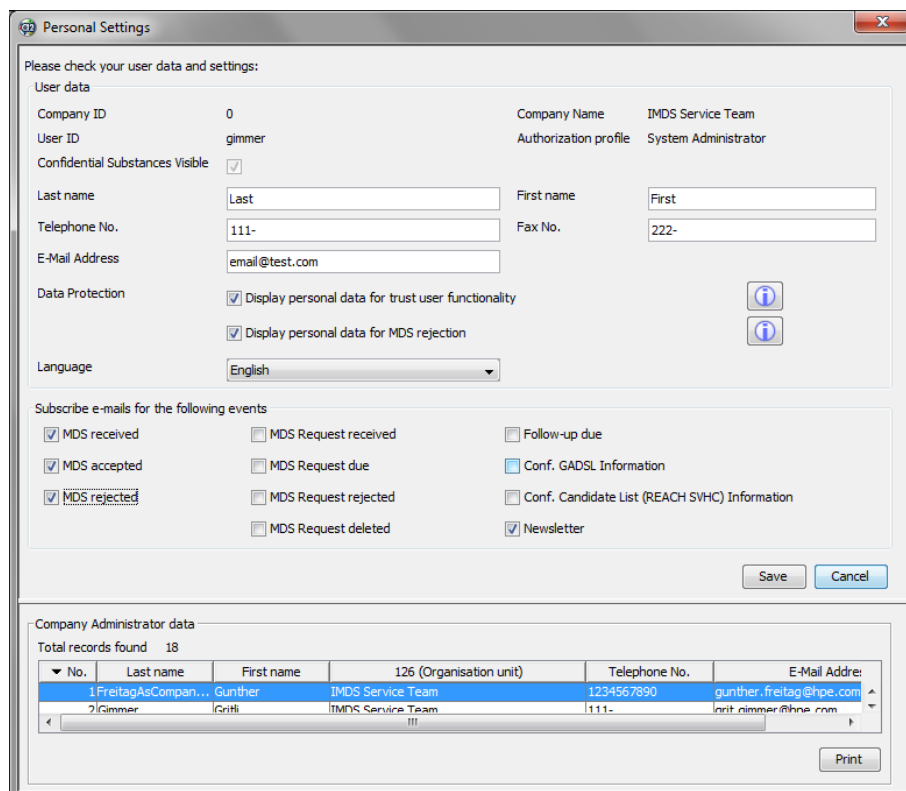


You can change the language either using this menu or the User Settings item. The language names appear the same way (and order) as on the login page.

Personal Settings

In this section you can keep your profile up-to-date. You can change your Last name, First name, Telephone number, Fax number and E-Mmail address. You can see, if Confidential Substances of your own company are visible to you or not. This access right can only be changed by your company administrator. You can decide, whether your Personal Data should be displayed for the Trust User functionality and/or when you reject an MDS or not. And you can change the application language here, too.

You can also subscribe to the email service from IMDS – this means you can chose in which event (concerning Status changes of MDSs or MDS Requests) you would like to get notified by email. Please note that all emails are computer generated from IMDS-Info@mdsystem.com and your environment must be set up to receive emails from the system.



Please check your user data and settings:

User data

Company ID	0	Company Name	IMDS Service Team
User ID	gimmer	Authorization profile	System Administrator
Confidential Substances Visible	☒		
Last name	Last	First name	First
Telephone No.	111-	Fax No.	222-
E-Mail Address	email@test.com		
Data Protection	☒ Display personal data for trust user functionality ☒ Display personal data for MDS rejection		
Language	English		

Subscribe e-mails for the following events

☒ MDS received	☐ MDS Request received	☐ Follow-up due
☒ MDS accepted	☐ MDS Request due	☐ Conf. GADSL Information
☒ MDS rejected	☐ MDS Request rejected	☐ Conf. Candidate List (REACH SVHC) Information
☐ MDS Request deleted	☒ Newsletter	

Save Cancel

Company Administrator data

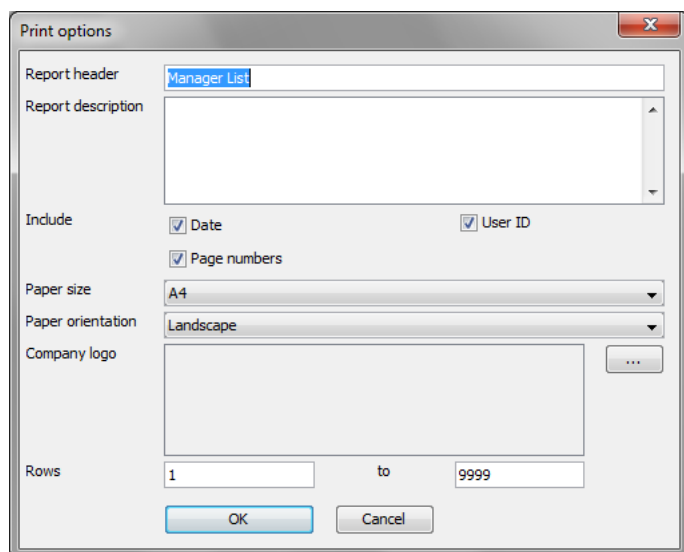
Total records found 18

No.	Last name	First name	126 (Organisation unit)	Telephone No.	E-Mail Address
1	FreitagAsCompan...	Gunther	IMDS Service Team	1234567890	gunther.freitag@hpe.com
2	Gimmer	Gritti	IMDS Service Team	111-	gritti.gimmer@hpe.com

Print

Furthermore, you get a list of Company Administrators of your company, with their related contact information to contact them if you need. You can also print the Company Administrator list for later use.

When you click on “Print” you get the following screen:



The image shows a 'Print options' dialog box. It has a title bar with a close button. The dialog is divided into several sections: 'Report header' with a text field containing 'Manager List'; 'Report description' with a large empty text area; 'Include' with three checked checkboxes: 'Date', 'User ID', and 'Page numbers'; 'Paper size' with a dropdown menu set to 'A4'; 'Paper orientation' with a dropdown menu set to 'Landscape'; 'Company logo' with a large empty text area and a button with three dots; and 'Rows' with two input fields, the first containing '1' and the second containing '9999', with a 'to' label between them. At the bottom are 'OK' and 'Cancel' buttons.

News

The Administration > News menu displays the News window that lists information published by the IMDS team – e.g. upcoming events, system downtime, etc. You can mark the checkbox, to “Do not show this news entry again at startup”.

Profile Maintenance

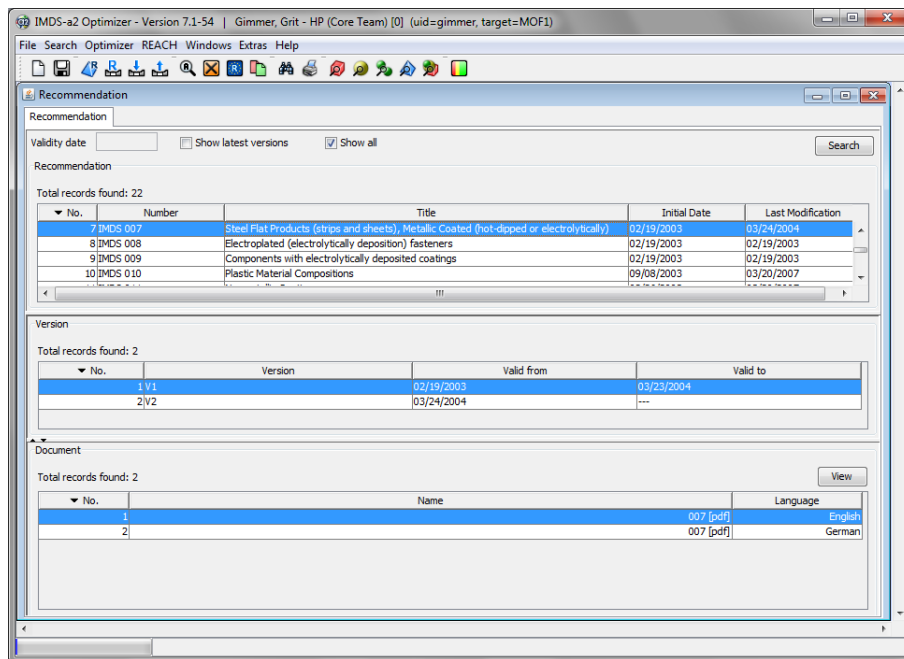
The Administration > Profile Maintenance menu administers your profiles used for Examiner and Inbox Automation. This has been already described in chapter “Profile Maintenance”.

Recommendation

The Administration > Recommendation menu item shows all available IMDS Recommendations. This window is also accessible by clicking on the **Recommendation** button from the Ingredients tab of an MDS. When accessed in this manner, the Validity date will be populated with the Release Date of the MDS that accessed the window.

The Recommendations can be searched by:

Validity date	shows the Recommendations valid at this date
last Version	shows the currently valid Recommendations
all	shows all available Recommendations



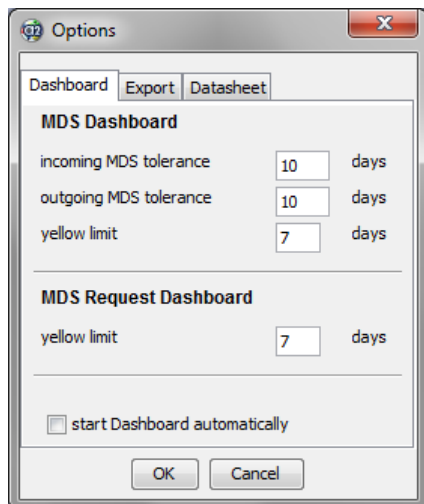
The found documents can be viewed by pressing the button .

The documents will be opened in a separate window with pdf or winzip. Please note that only one .pdf window can be opened at a time from a2 so should you wish to view a second Recommendation, the first window will have to be closed or an error will be generated.

Options

The Administration > Options menu item allows you to configure certain parameters to personalize your a2 experience. The parameters are stored on your PC so if another PC is used with the same ID, the configuration will have to be reset on that PC.

There are three (3) areas where you have options you can configure: Dashboard, Export, and Datasheet.



Use 'OK' to apply the changes and use 'Cancel' to discard the changes.

Dashboard Options

The parameters configure the MDS and MDS Request Dashboards.

MDS Dashboard

Incoming MDS tolerance	The number of days you allow as tolerance since the last status change of received MDSs. If you want to have received MDS in the red status after 22 days, enter 22 as tolerance.
Outgoing MDS tolerance	The number of days you allow as tolerance since the last status change of sent MDSs. If you want to have rejected MDS in the red status after 30 days, enter 30 as tolerance.
Yellow limit	The range used for sorting the MDS to the red-yellow-green due date status in days. Red = due today Yellow = due between today and 'yellow limit' days Green = due later than 'yellow limit' days

MDS Request Dashboard

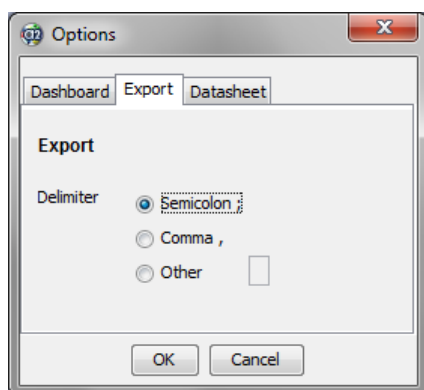
Yellow limit	The range used for sorting the MDS-Requests to the red-yellow-green due date status in days. Red = due today Yellow = due between today and 'yellow limit' days Green = due later than 'yellow limit' days
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Start Dashboard Automatically

Start dashboard automatically	If checked, the Dashboard will start automatically every time, you log into a2. Depending on the amount of data associated with your IMDS company, it may take some time to populate the Dashboard.
-------------------------------	---

Export Parameters

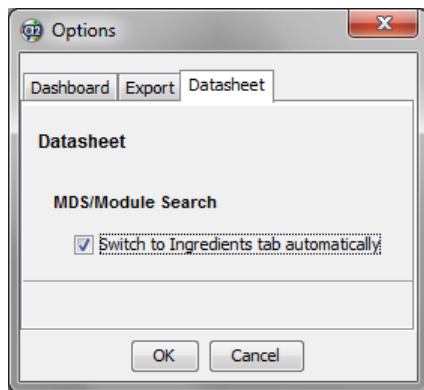
This tab allows you to configure how your export files will be separated.



Delimiter	Choose the delimiter used to separate the data of your exports: – Semicolon (;) – Comma (,) – Other character – any ASCII character
-----------	---

Datasheet Options

This option allows the user to set parameters impacting the datasheet.



Switch to ingredients tab automatically	If only one MDS is found, the ingredients tab is shown automatically
---	--

Summary of Available Functions

The following section lists the menu functions.

File Menu

Menu	Description
New	Allows the creation of a new datasheet or module.
Save to IMDS server as	Transfers the current datasheet / module to the IMDS server and ...
... current version	... saves it there under the current version number. The MDS/module must exist on the IMDS server and be in edit mode.
... new version	... saves it there under a new version. The version number is increased following the IMDS rules. The MDS/module must exist on the IMDS server and have been created by your company.
... new Datasheet	... saves it there as a new datasheet / module in version 0.01. This function can also be used to copy an existing MDS/module regardless of the owner of the original datasheet.
Copy	Copy the version saved on the IMDS database of the current MDS
... copy as new version	... as new Version - The MDS/module must have been created by your company.
... copy as new datasheet / module	... as new MDS/Module
... Forward	... as a forward a copy of an accepted datasheet
Delete MDS	Deletes the current MDS/module on the IMDS server. This cannot be used on a datasheet that was not created by your company or a datasheet that has been accepted by a recipient.
Mark MDS	Users with the appropriate access rights may mark own MDSs as obsolete here or click on "Mark as unobsolete" to remove this flag.
Open from file ...	Opens a datasheet or module that was previously saved on your PC.
Save to file	Saves the current datasheet/module to your PC. In case you have not defined a name you will be prompted for one.
Save to file as ...	Saves the current datasheet/module on your PC and allows you to choose a new file name.
Import	Allows the import of datasheets and/or modules in the special IMDS spreadsheet format. Currently the "CSV File Version 1.0" format is supported.
Print	Creates a .pdf-File from the selected report type
Export as CSV...	Allows to export search results as .csv-files
Export as XLSX ...	Allows to export search results as MS Excel (.xlsx) files
Log off	Logs off the current user and brings up the log on dialog again.
Exit	Exits the IMDS-a2 .

Search Menu

Menu	Description
Component	Starts the Component view/update Window on the Search tab.
Semicomponent	Starts the Semicomponent view/update Window on the Search tab.
Material	Starts the Material view/update Window on the Search tab.
Substances	Starts the Substance view Window on the Search tab.
MDB/Module	Starts the component/semicomponent/material view/update Window on the Search tab.
MDS Request	Starts the Request view/update/create Window.
CMD Request	Opens the window to search for or create CMD Requests.
In Box	Opens the window for the In Box on the Search tab.
Out Box	Opens the window for the Out Box on the Search tab.
Where-Used Analysis	Opens the window for the Where-Used Analysis on the Search tab.
Basic Substance Request	Starts the search for initiated basic substance requests.
MDS updates	Opens the window for the MDS Update on the Search tab.
Clear	Resets / clears a frame to show its default appearance.
Search	Starts the search using the entered search parameters.
Regulation Wizard	Opens the window for the Chemistry Manager Regulation Wizard. Only available for users with appropriate access rights.

Optimizer Menu

Menu	Description
Examiner	Checks the MDS according to the parameters set in the check defined in the Profile maintenance screen – on the right hand side you find up to 10 last checks carried out
Inbox automation	Calls the Inbox Automation screen to check your incoming MDSs
Dashboard	Calls the dashboard screen
Reports	Starts a separate window in which check criteria can be set and saved
Compare MDSs/Modules	Calls the Compare screen
Company-specific Basic Substance Lists	Calls a separate window, where all your company's specific Basic Substance Lists with their attributes are listed. Company Administrators can create new lists and change or delete existings lists for their company.

Add-on Modules Menu (add-on modules need to be [licensed](#) separately)

Menu	Description
Analysis & Reporting	Opens a separate Analysis window, where you can define several parameters for unlimited analysis of your MDSs.
REACH Analysis	Opens the REACH Analysis window in order to find MDSs/Modules containing REACH-SVHC
REACH Report	IMDS Contact persons, REACH Contact persons or Used SVHC can be printed into a report

Menu	Description
Contact Persons	Opens the search for (all) REACH responsible Contact person(s) of a certain IMDS-registered company

Administration Menu

Menu	Description
Language	Change the application language without logging off IMDS
Personal Settings	Administer your personal IMDS settings (like email, data protection, language etc.) and subscribe to the email messaging service of IMDS (emails in case of status changes for MDSs or MDS Requests)
News	Displays the News window that lists information published by the IMDS team – e.g. upcoming events, system downtime, etc.
Contact Person	Opens the window to see the company's contact persons. Contact administration has to be done in the IMDS Web Application/IMDS Plus. Only available for Users with the "User: edit" privilege.
User	Opens the window to see the company's users. User administration has to be done in the IMDS Web Application/IMDS Plus. Only available for Users with the "User: edit" privilege..
Profile Maintenance	Administer your profiles used for Examiner and Inbox Automation
Recommendation	Search for Recommendation versions
Options	Change your personal a2 options for – Dashboard – CSV Export – Datasheet

Windows Menu

Lists the open windows for easy navigation. The currently active window is marked with a *. You can also reset your window as well as the table settings to the system standard.

Help Menu

Menu	Description
About	Displays the current client and server version of the IMDS-a2.
Online User Manual	Downloads and displays the latest version of the IMDS-a2 User Manual. To view the User Manual (this manual), the software "Adobe Acrobat Reader" is required.
Video Tutorial	Opens existing Video Tutorials for different IMDS-a2 functions.
Terms and Conditions	Downloads and displays the latest version of the IMDS-a2 Terms and Conditions in the Internet Browser. To view these, the software "Adobe Acrobat Reader" is required.
Terms of Use	Downloads and displays the latest version of either the IMDS or the CDX Terms of Use in the Internet Browser. To view these, the software "Adobe Acrobat Reader" is required.

Installation

The IMDS-a2 is an application service developed in the Java programming language. For that reason a Webstart software needs to be installed on each client PC in order to run a2.

OpenWebStart is a license free, Open Source software, which doesn't require the installation of a Java Runtime Environment on the local PC. In case of a missing Java, OpenWebStart automatically installs the license free, Open Source product OpenJDK 11.

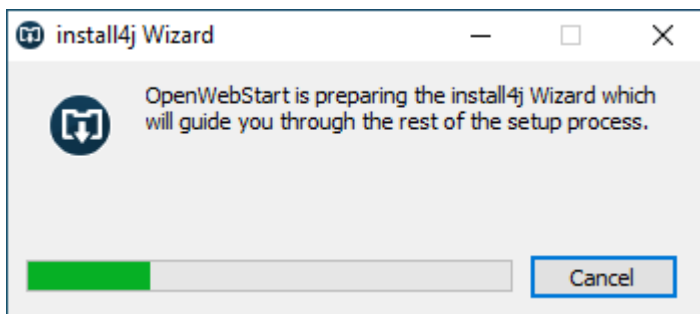
If OpenWebStart is already installed on your PC, go directly to chapter "Launch the IMDS-a2".

Installation of OpenWebStart

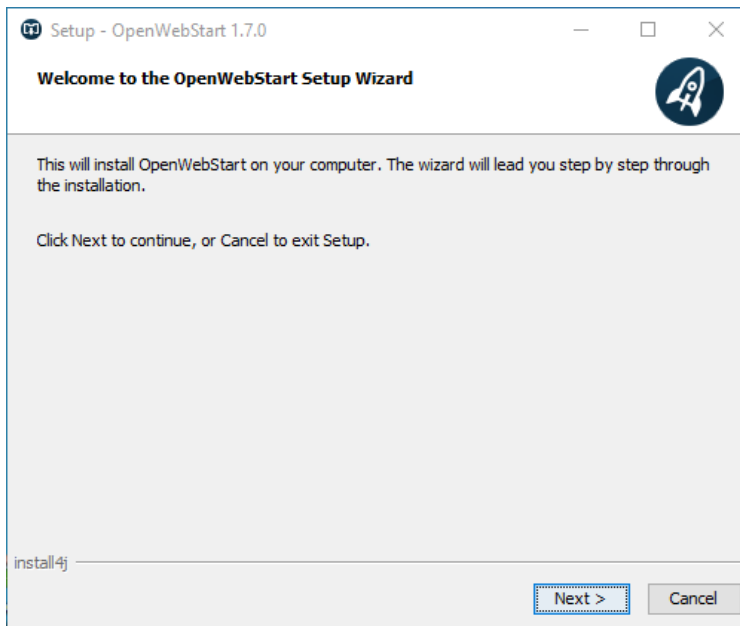
Hint: Depending on your PC configuration and operating system you might need Administrator permissions to install software. In this case please contact your system administrator to execute the installation.

Start your web browser (e.g. Internet Explorer) and go to the URL <https://openwebstart.com/download>

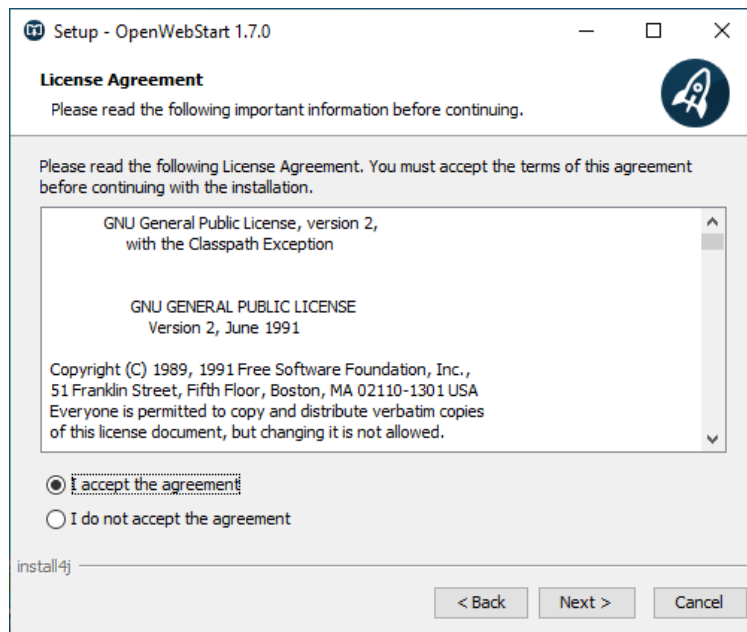
Here you can download the installation file (e.g. OpenWebStart_windows-x64_1_1_7.exe). A Java Runtime installation is not required at all. Executing the installer, the following dialogs appear:



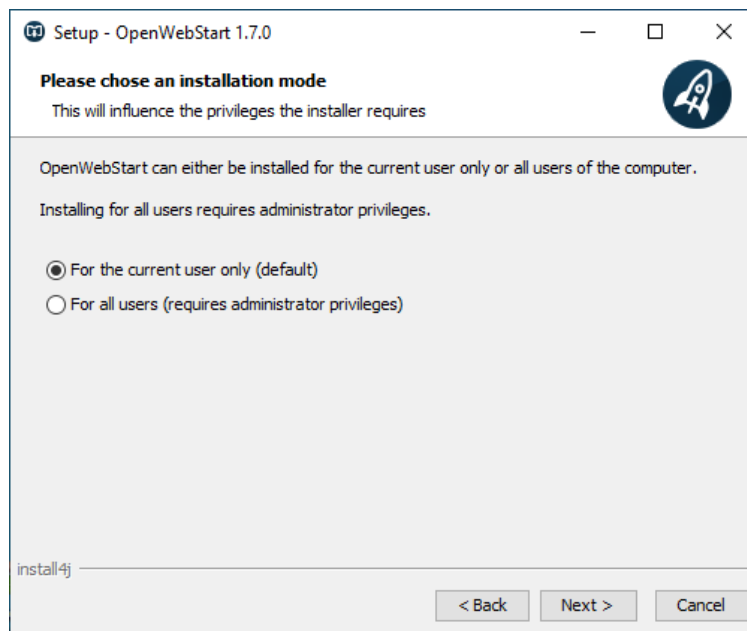
Begin with the installation:



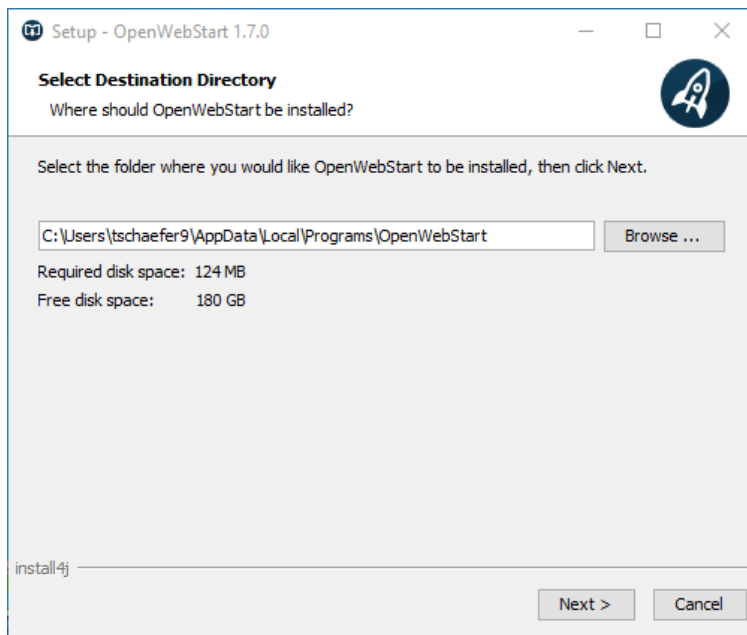
Accept the license agreement:



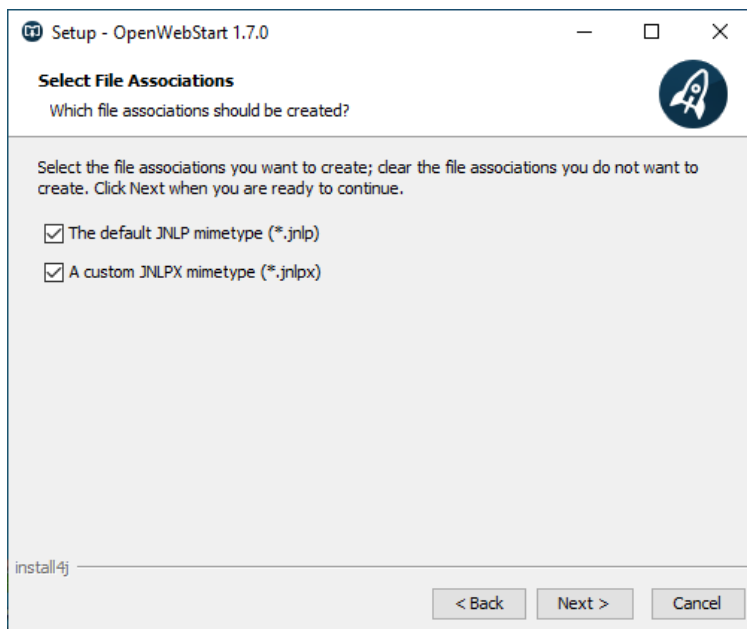
Determine user audience:



Define installation directory:

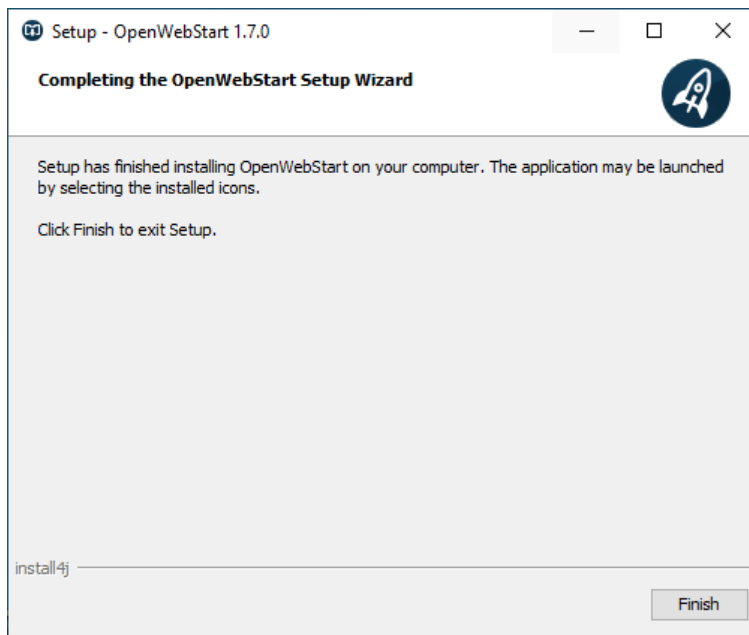


Let OpenWebStart handle the extensions .jnlp and .jnlpX:



Pressing Next, the installations begins.

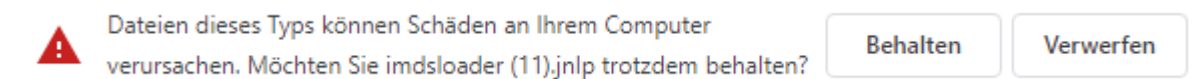
Completed:



Launch the IMDS-a2

The IMDS-a2 is launched by opening the URL <https://www.mdsystem.com/webstart/imdsloader/imdsloader.jnlp> in a browser.

Here in Chrome (including the warning for JNLP execution):



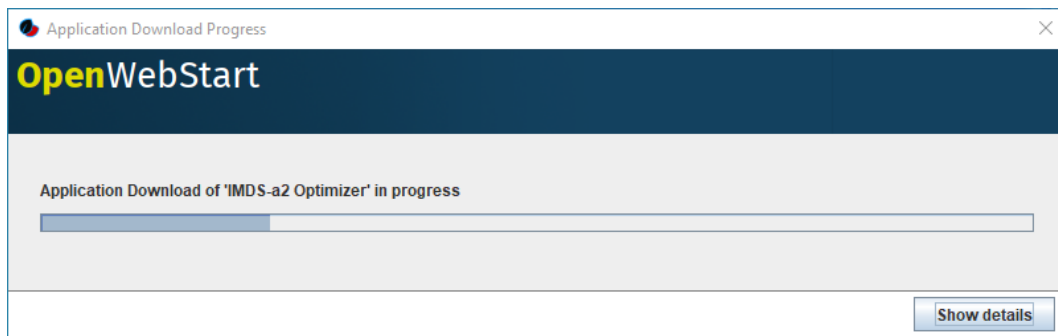
OpenWebStart gets launched:



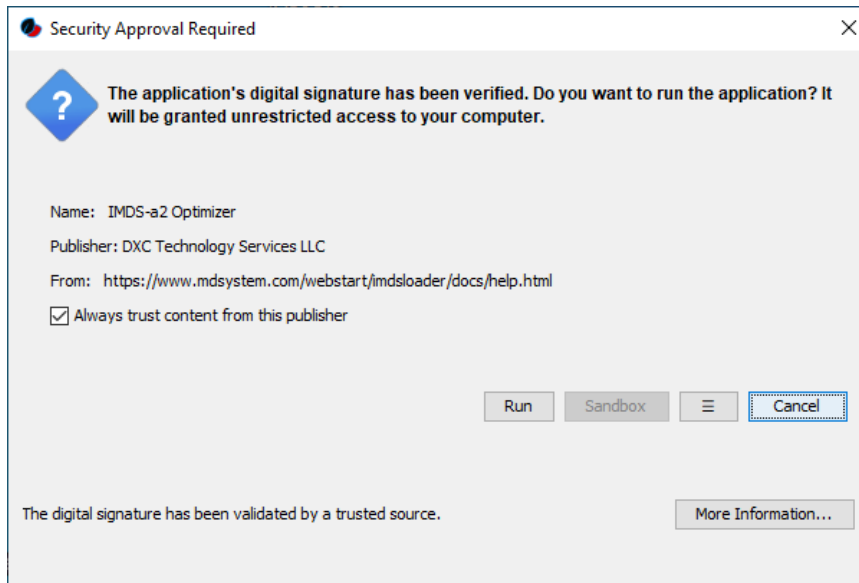
It detects that no OpenJDK runtime environment is available and automatically downloads and installs AdoptOpenJDK version 11:



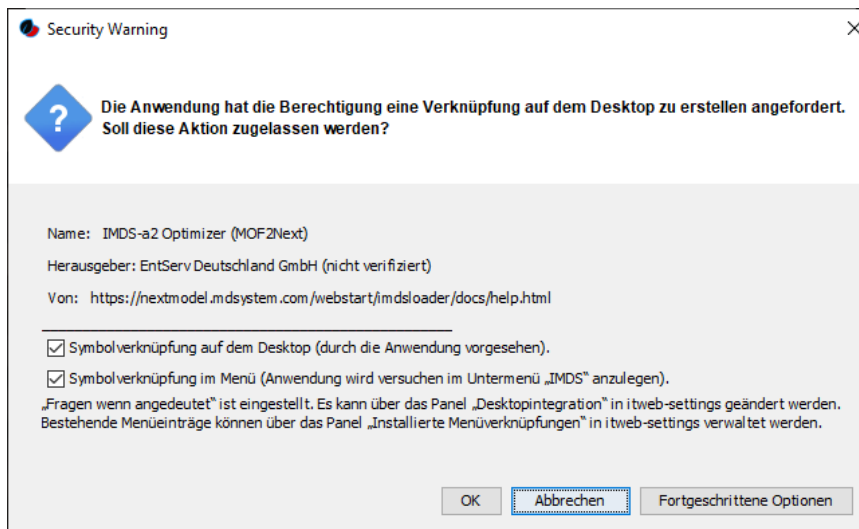
The IMDS-a2 software version is checked and downloaded in case an updated version is available on the IMDS servers:



The DXC Code Signing certificate gets validated and you can choose to trust the certificate and execute the application:



You can also configure the creation of a desktop icon and a menu entry:



During the first startup OpenWebStart will then create an IMDS-a2 icon on your desktop:

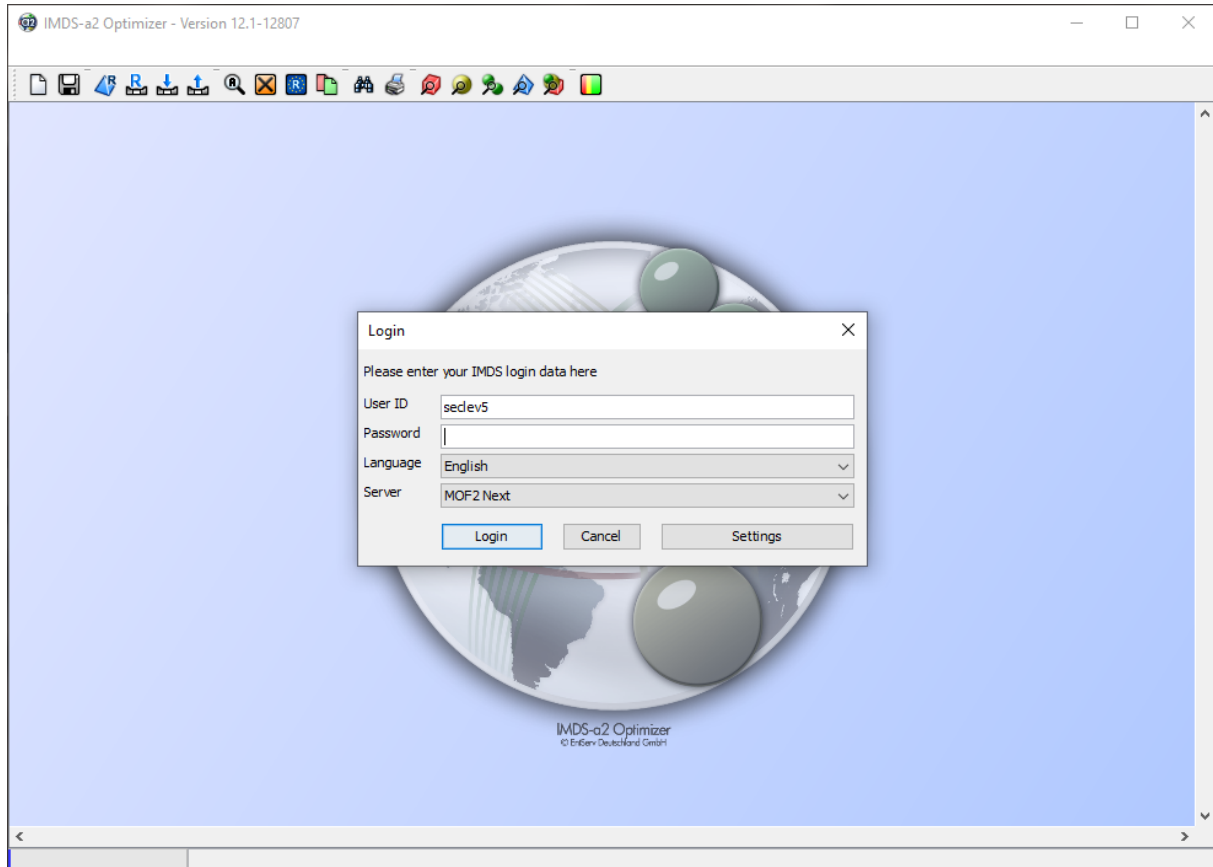


and a menu entry IMDS | IMDS-a2 Optimizer to launch or uninstall the IMDS-a2:



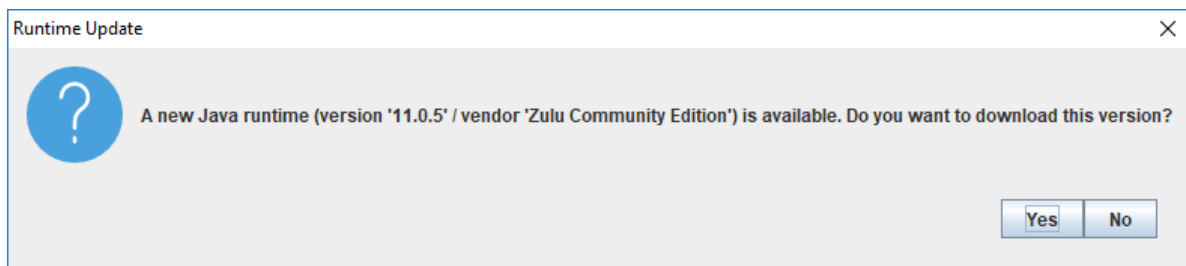
You can launch the IMDS-a2 later by double clicking the icon or using of menu entry.

Finally, the IMDS-a2 application launches completely:

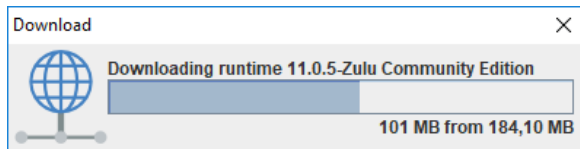


Update of a Java Runtime Installation

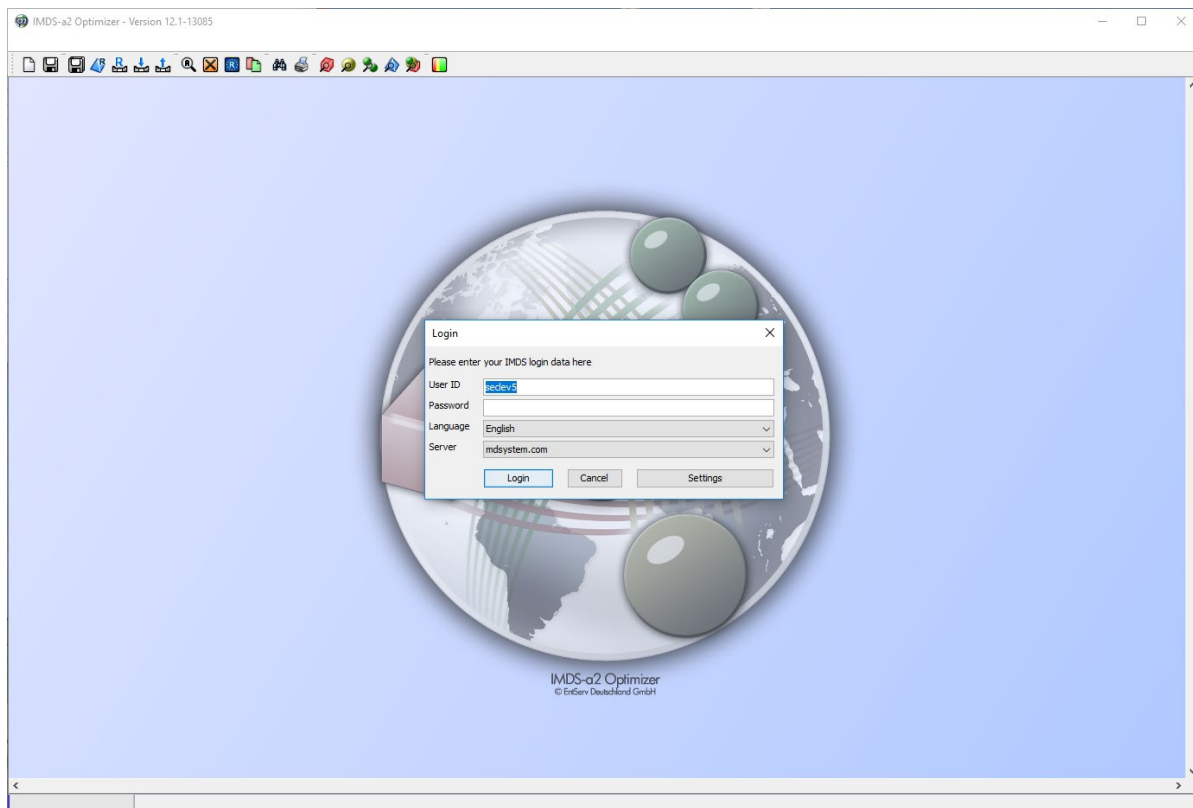
In case OpenWebStart detects that an update of the Java Runtime environment is available, you are asked, if you want to install the new Java version:



Click "Yes" to get the new Java version downloaded and installed on the your PC. Administrator rights might be necessary.



Right after the installation the IMDS-a2 application is launched.



Potential Problems

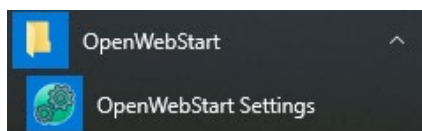
Manual Entry of a Proxy Server

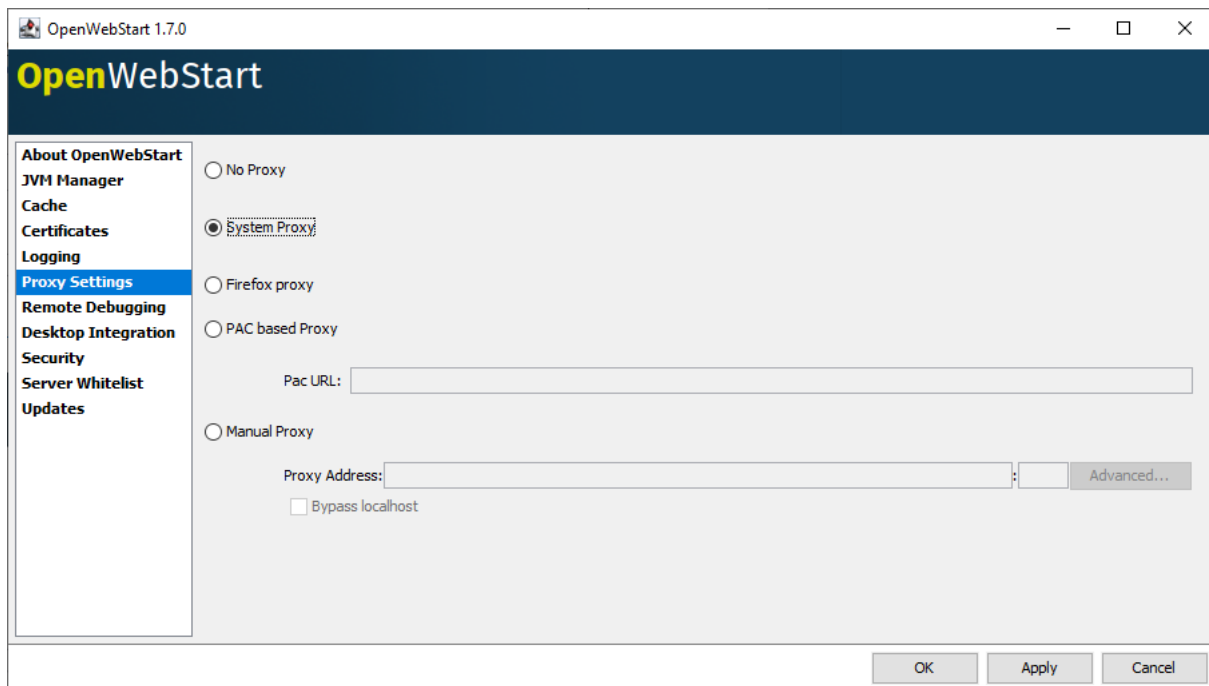
The IMDS-a2 is using the Webstart software to ensure that you are working with the latest version of the IMDS-a2. For this reason OpenWebStart needs to access the IMDS server over the internet.

Most companies are using a proxy server to provide access to the internet. Normally Webstart reads the required proxy settings from an installed web browser. This process might fail for some browsers (typically only for uncommon ones) or if your company uses an automatic configuration script instead of proxy server settings.

In this case the proxy settings must be entered manually in OpenWebStart.

Launch the OpenWebStart Settings:

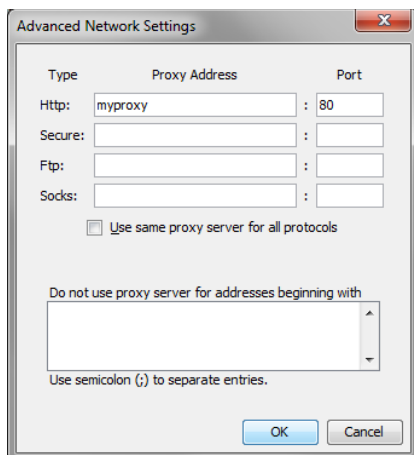




Click on "Proxy Settings" and choose the correct proxy. For "Manual proxy" enter the name of your proxy server and port in the proxy address.

Hint: You can get these settings from your system administrator or read it out of an configured web browser.

E.g. IE: menu "Tools" > "Internet options" > tab folder "Connections" > button "LAN Settings" > "Advanced".



You must confirm the changes by pressing "OK".

File imdsloader.jnlp cannot be loaded

After successful installation of Webstart the <https://www.mdsystem.com/webstart/imdsloader/imdsloader.jnlp> cannot be loaded.

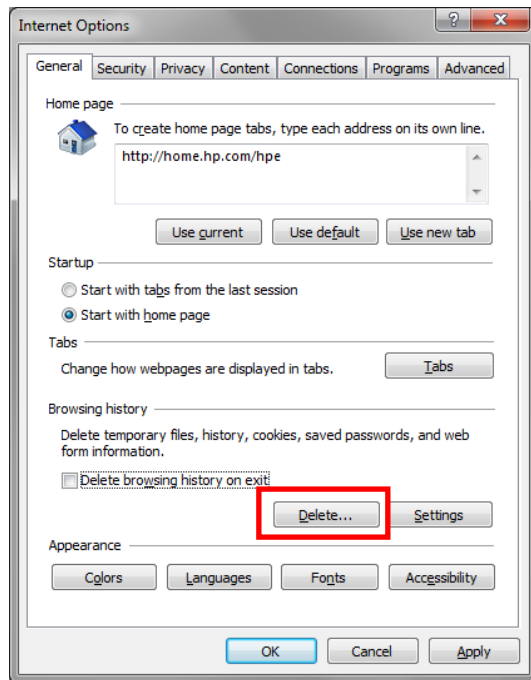
This can have several root causes:

Temporary memory (Cache) holds old files

Empty your internet browser cache as well as your OpenWebStart cache.

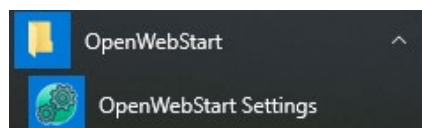
Browser cache

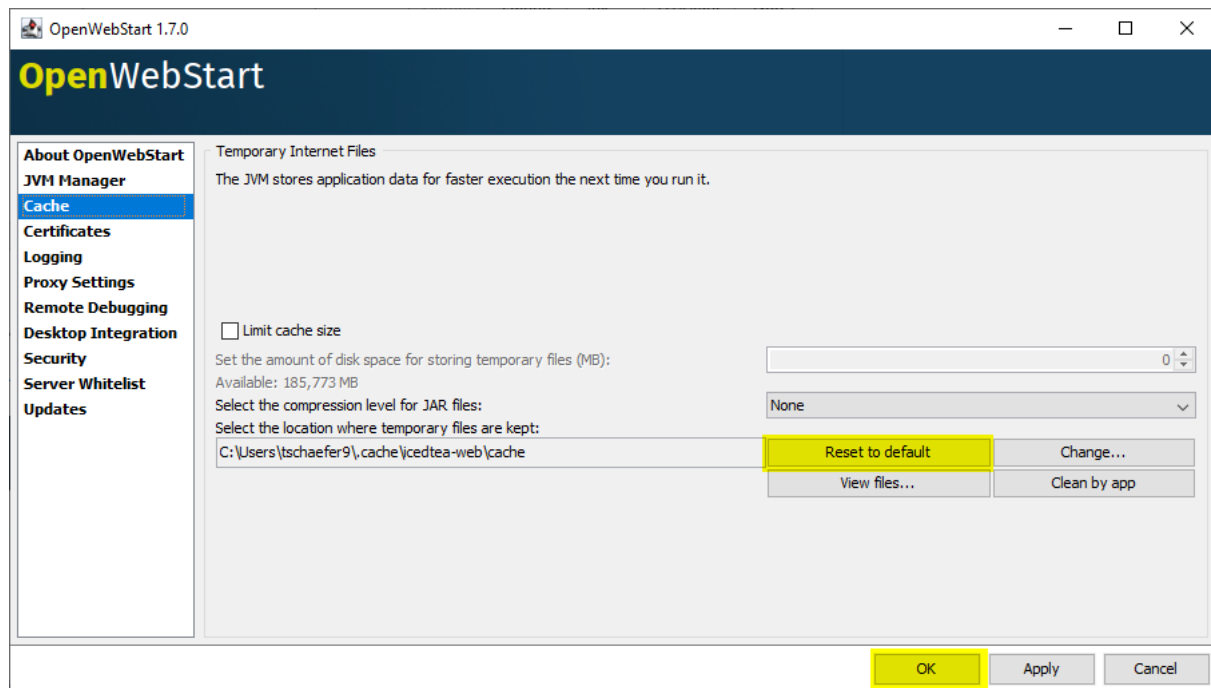
e.g. Microsoft Internet Explorer: Tools > Internet Options > General > Delete (Browsing history)



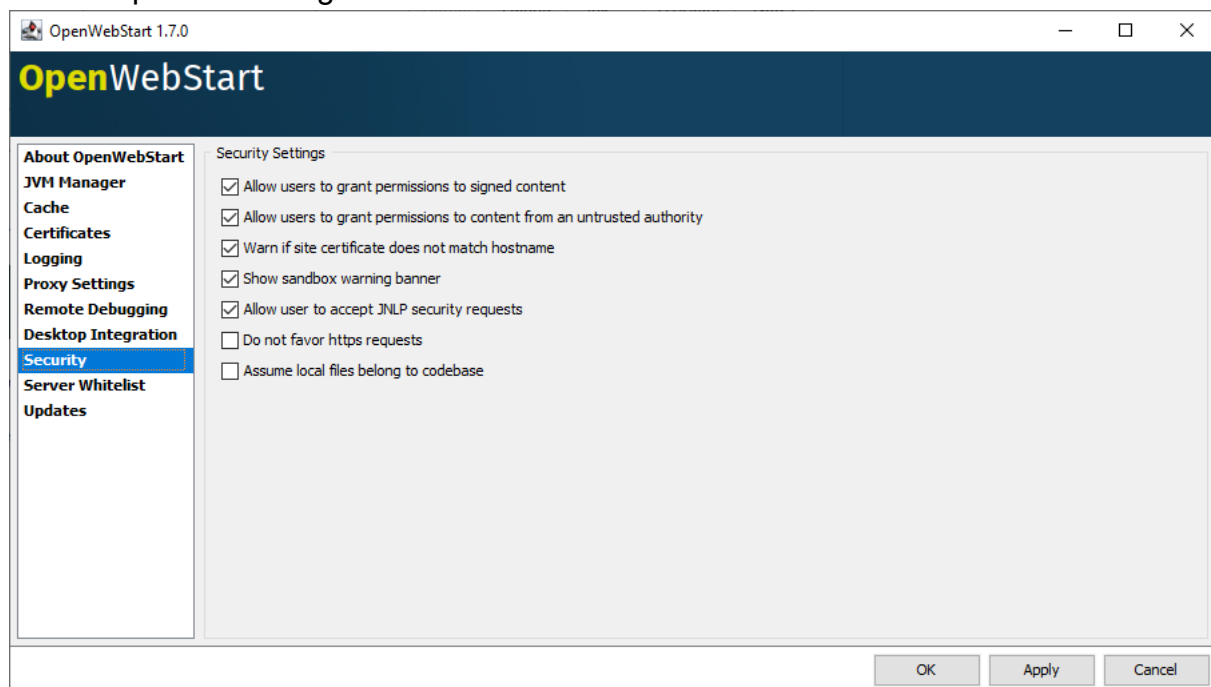
OpenWebStart cache

Launch the OpenWebStart Settings:





Other important settings



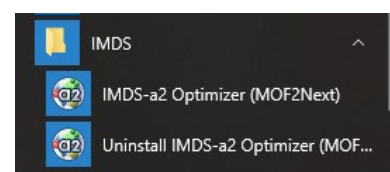
Personal firewall blocks access

If you have a Personal Firewall installed on your PC, this must be set up in a way that it allows access to the Java process into the internet (the IMDS-a2 runs with such a process).

No IMDS-a2 icon on your desktop

In case no IMDS-a2 icon was created on your desktop:

Go to the Windows menu entry IMDS and drag the IMDS-a2 Optimizer application to your desktop. You can also use right mouse-click to "Pin to Start".



Further Support

For questions concerning all administrative and technical features we provide an email address:

`mds-solutions@dxc.com`

The IMDS-a2 support team will post a reply to your questions as soon as possible.

Contact Information

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