

Grundfos CDX Guide

Reply to MDS request – ver. 7.0

This guide will explain you how to reply to an MDS request on CDX. By doing this, you are stating your compliance status to the chemical legislation found on Grundfos' *Focus List*. Details of the Grundfos Focus List can be found in our [Focus List Excel sheet](#), which contains all the chemical legislation and the full list of substances they regulate.

If you have any question regarding CDX or the Focus List, please don't hesitate to send an email to us at the following e-mail: focus-list@grundfos.com.

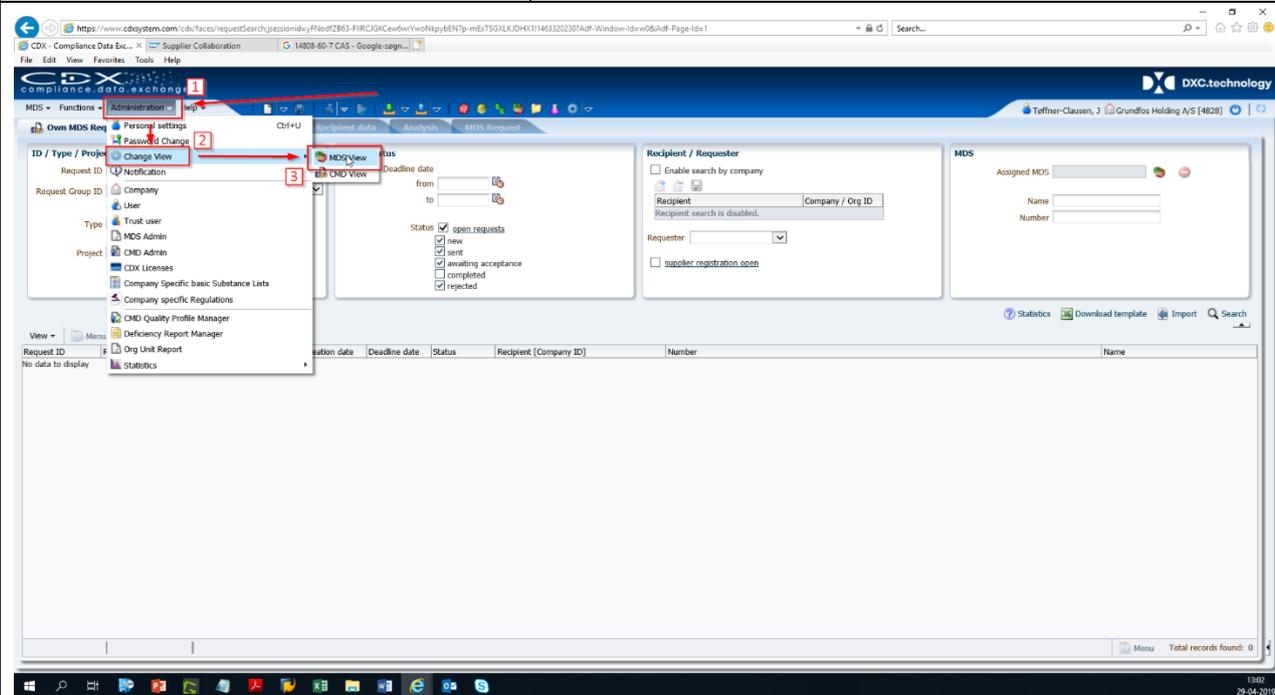
Content of the guide:

1. MDS view.....	2
2. MDS inbox	2
3. Find MDS from Grundfos.....	3
4. Open MDS	3
5. Confirm regulations	4
6. Confirm Company specific regulations	5
7. Declare substances	6
7.1 Type of declarations.....	6
7.2 How to build up the composition in a MDS tree	6
7.3 Weight, tolerance and deviation	8
7.4 Material classification	10
7.5 How to add RoHS exemptions	11
8. System check	12
9. Send MDS	13

1. MDS view

Please log into the CDX system, which can be found by clicking [this link](#). Please ensure that you are in 'MDS-View' by selecting it from the toolbar at the top:

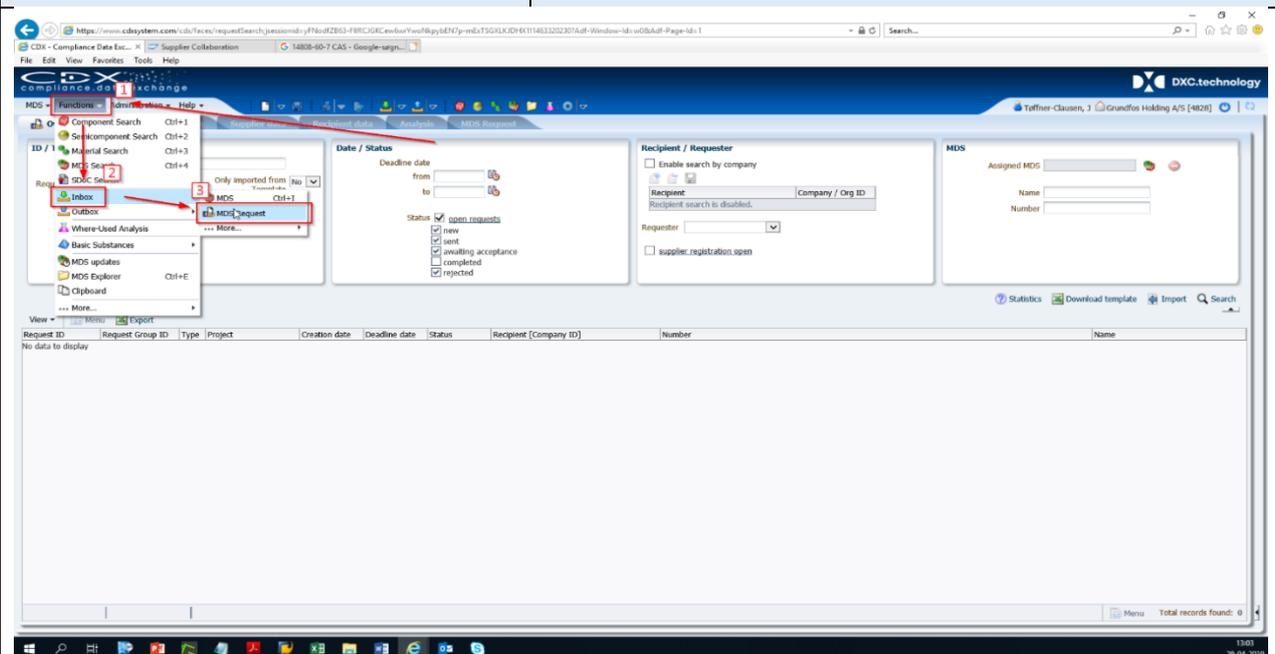
Administration > Change View > MDS View



2. MDS inbox

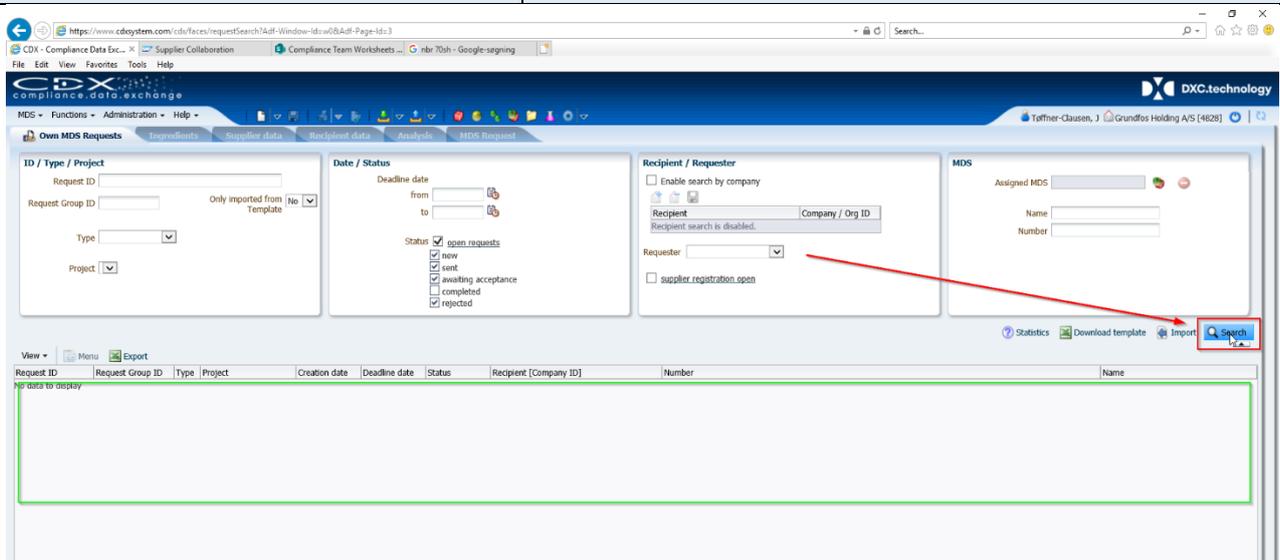
Please go to your 'MDS Request' inbox:

Functions > Inbox > MDS Request



3. Find MDS from Grundfos

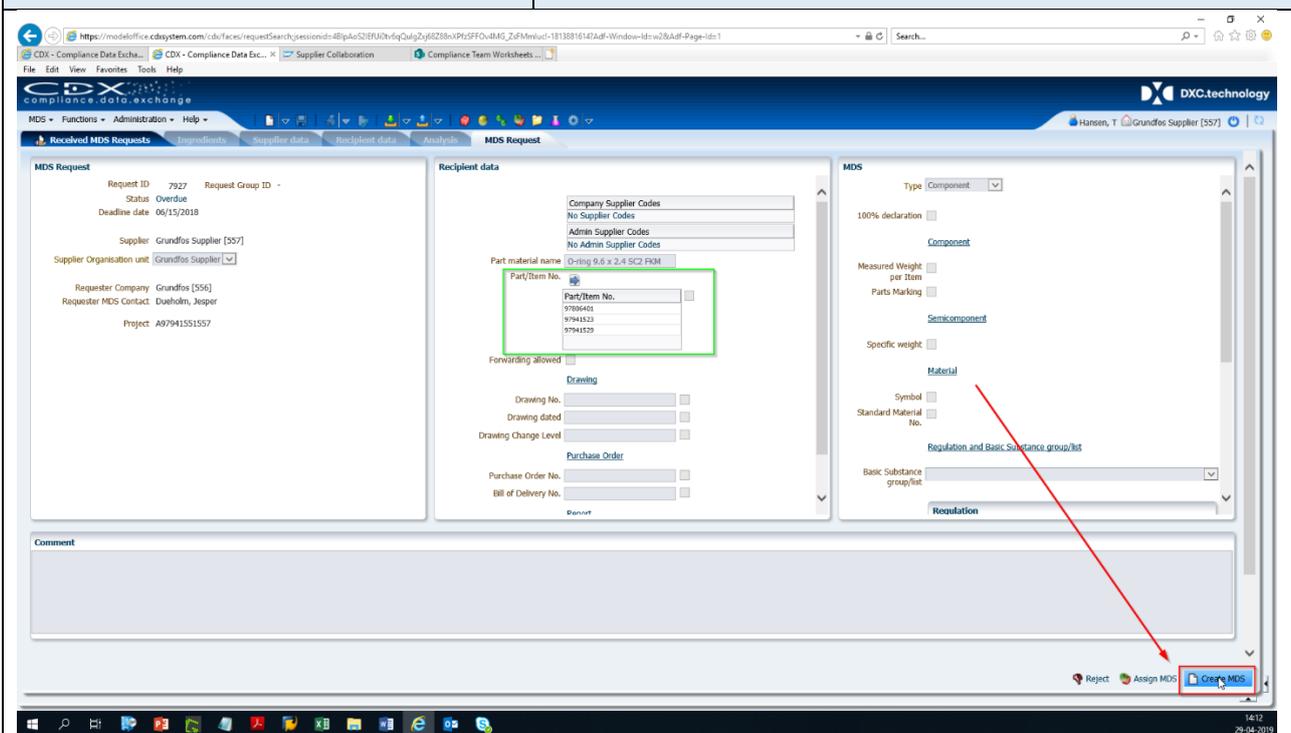
Click 'Search' on the far-right and all open MDS requests will be displayed in the green field below.



4. Open MDS

Select the MDS you wish to respond to by double-clicking on it.

You will be transferred to the MDS' information menu. Here you can see the part numbers the chosen MDS concerns by looking to the list found in the green marked area below. To respond to the MDS, click 'Create MDS' in the lower right corner as shown below.



5. Confirm regulations

You will find the first 8 regulations under *Regulations: Regulation > Confirmation*.

Please respond to all the 8 regulations.

We need a response to all regulations found on the *Focus List*, since we sell our products in the regions the regulations apply.

Follow the guidelines below when responding to the regulation questionnaires.

- If you do comply with the regulation, then please mark 'Yes'.
- If you do not comply, then please contact your Grundfos compliance contact or focus-list@grundfos.com explaining why, after which we will help you figure out how to proceed.
- If a regulation is not relevant to your products, then mark it 'Product Not Affected'. An example of this would be the *Batteries* regulations for a screw or a cable.
- Mark 'No Obligation to Declare' on every regulation in the 'Relevant Data Provided' column.

The screenshot shows the CDX compliance data exchange interface. The 'Ingredients' tab is selected, and the 'Regulations' section is expanded. A table titled 'Confirmation' is visible, with columns for 'Regulation', 'Regulation complied?', and 'Relevant data provided?'. The table lists 8 regulations with their respective compliance status and relevant data provided.

Regulation	Regulation complied?	Relevant data provided?
Batteries	Product Not Affected	No obligation to declare
IMO	Yes	No obligation to declare
Packaging	Product Not Affected	No obligation to declare
REACH Annex XIV	Yes	No obligation to declare
REACH Annex XVII	Yes	No obligation to declare
REACH Candidate ...	Yes	No obligation to declare
RoHS	Yes	No obligation to declare
TSCA Section 6	Yes	No obligation to declare

6. Confirm Company specific regulations

You will find the remaining 5 regulations under 'Company Specific' in the 'Recipient Data' tab. Please respond to all the 5 regulations.

The screenshot shows the 'Recipient data' tab in the DXC TECHNOLOGIES compliance data exchange system. The 'Company specific' section is highlighted with a red box and contains the following table:

Regulation	Regulation complied?	Relevant data provided?
PROPIS	Yes	No obligation to declare
China RoHS	Yes	No obligation to declare
GHG	Yes	No obligation to declare
ODS	Yes	No obligation to declare
RoHS	Yes	No obligation to declare

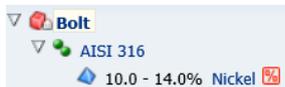
<h2 style="margin: 0;">7. Declare substances</h2>	We are now ready to declare substances. Follow the guidelines below when deciding on whether to declare substances or not.
---	--

7.1 Type of declarations

If your products contain no Focus List substances above the allowed limits, you can skip this step and go directly to step 8 (Level1 Declaration). **But please be aware that we prefer Full Material Declarations – see details below.**

If a substance named on the Focus List is found in a concentration higher than the mentioned limits, then it must be declared, but if you know the material composition of your products, we recommend that you input this in CDX anyway (Full Material Declaration).

It is possible to only declare Focus List substances (Partial Declaration), i.e. leaving out non-declarable substances – the “incomplete” part will automatically be labelled compliant in our system. See the following example for a stainless-steel bolt:



In this case the nickel is the only Focus List substance present in stainless steel. The remaining substances do not need to be declared and will automatically be set as non-declarable.

Based on how much information you provide us we distinguish the following type of MDS replies. **Please take into consideration that as our long-term goal is collecting all material-related information from all of our suppliers we are preferring the Full Material Declarations.**

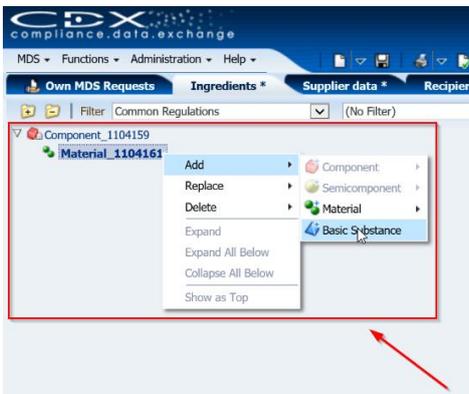
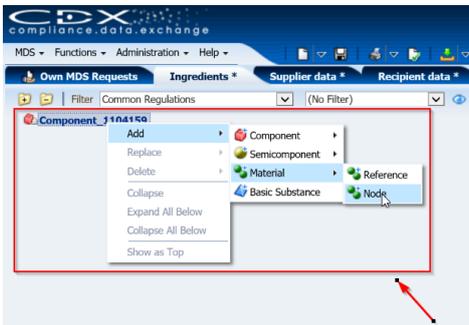
- **Level1 Declaration:** You do not have any Focus List substance in your product and you do not build up a material declaration tree. You declare your compliance with the different regulations by confirming them as per Step 5. and/or by uploading compliance statements as an attachment.
- **Partial Declaration:** You have Focus List substance(s) in your product and you build up a material declaration tree with only those substance(s).
- **Full Material Declaration (preferred way of declaration):** You build up the whole material declaration tree of your product, regardless if it contains Focus List substances.

7.2 How to build up the composition in a MDS tree

The ‘MDS Tree’ is built using ‘Component blocks’, ‘Semi-Component blocks’, ‘Material blocks’ and ‘Basic Substance blocks’:

Block	Name	Level	Description
	Component	1	An assembled/completed component, a seat or engine block for example.
	Semi-Component	2	A sole component, a coated wire or steel blank for example.
	Material	3	A homogeneous structure, brass or polymer for example.
	Basic Substance	4	A chemical compound or mixture with a CAS-number, water or carbon dioxide for example.

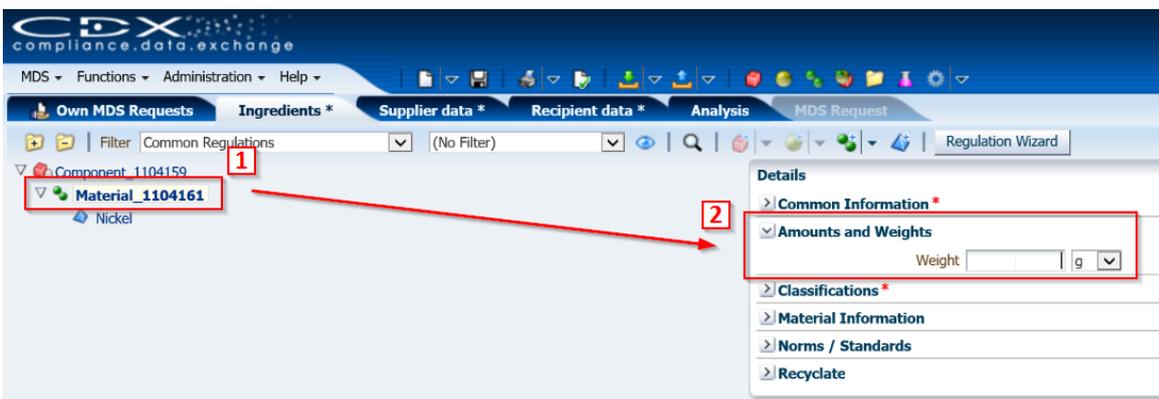
You build the tree by right-clicking on the 'Component' in the top-left corner of the screen and selecting the blocks you wish to add by using the 'Add' feature:



When adding a level to your *MDS Tree* you can chose between *Node* and *Reference*.

- A *Node* will only add the block you've selected.
- A *Reference* will add a saved/assembled block. CDX has several standard *Material* blocks which you can use. This can be helpful with metals for example, as most EN and AISI metal standards are saved here. CDX has no standard *Component* or *Semi-Component* blocks.

To every block you add you will need to add a weight or concentration, which can be done by left-clicking on a block and navigating to the '*Amounts and Weights*' menu on the right side.



See some completed examples of MDS trees below:



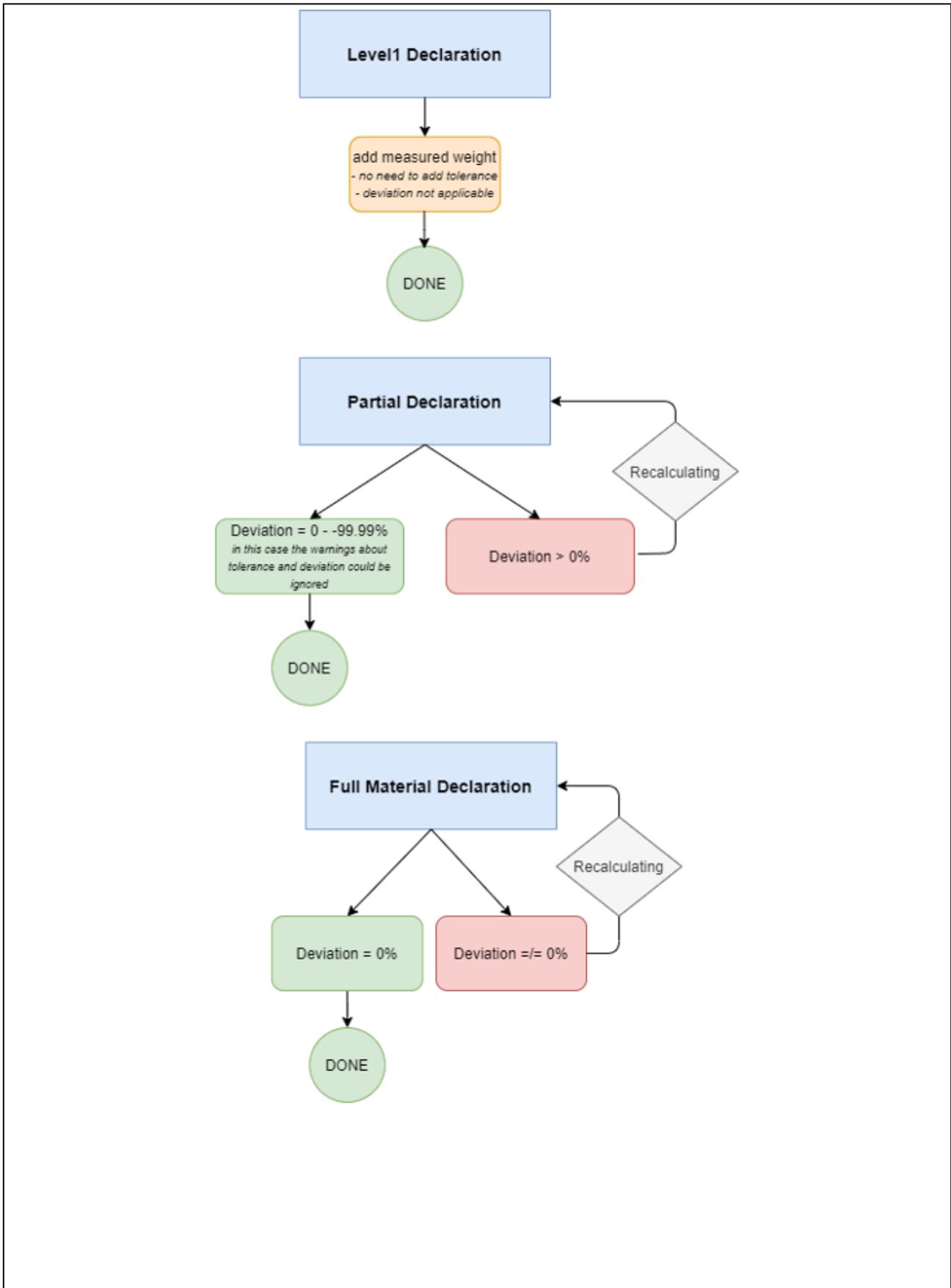
7.3 Weight, tolerance and deviation

Tolerance always MUST be 0% - this is the default value settled by Grundfos.

Depending on what kind of declaration you made deviation could be acceptable as the following:

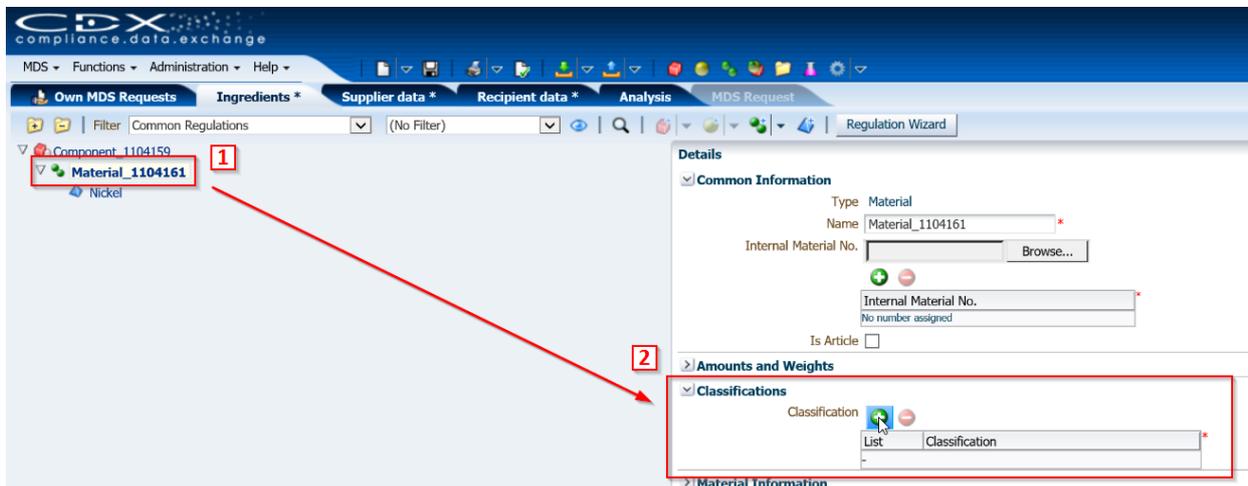
- 1) Level1 Declaration:
 - measured weight: must be defined
 - tolerance: no need for adding
 - calculated weight: not applicable
 - deviation: no applicable
- 2) Partial Declaration:
 - measured weight: must be added; has to be higher than calculated weight
 - tolerance: 0%
 - calculated weight: has to be less than measured weight
 - deviation: 0 - -99.99%
- 3) Full Material Declaration:
 - measured weight: must be added; has to be equal to calculated weight
 - tolerance: 0%
 - calculated weight: has to be equal to measured weight
 - deviation: 0%

Drew scheme about how weight has to be added depending the type of the declaration:

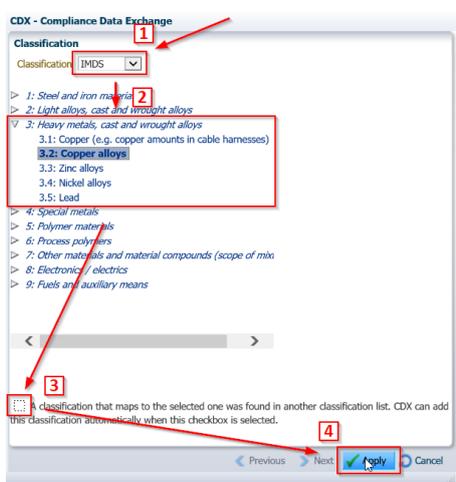


7.4 Material classification

Every *Material* you add must be classified by adding a *Classification*, which can be done by left-clicking on a material and navigating to the '*Classification*' menu on the right side of the screen.

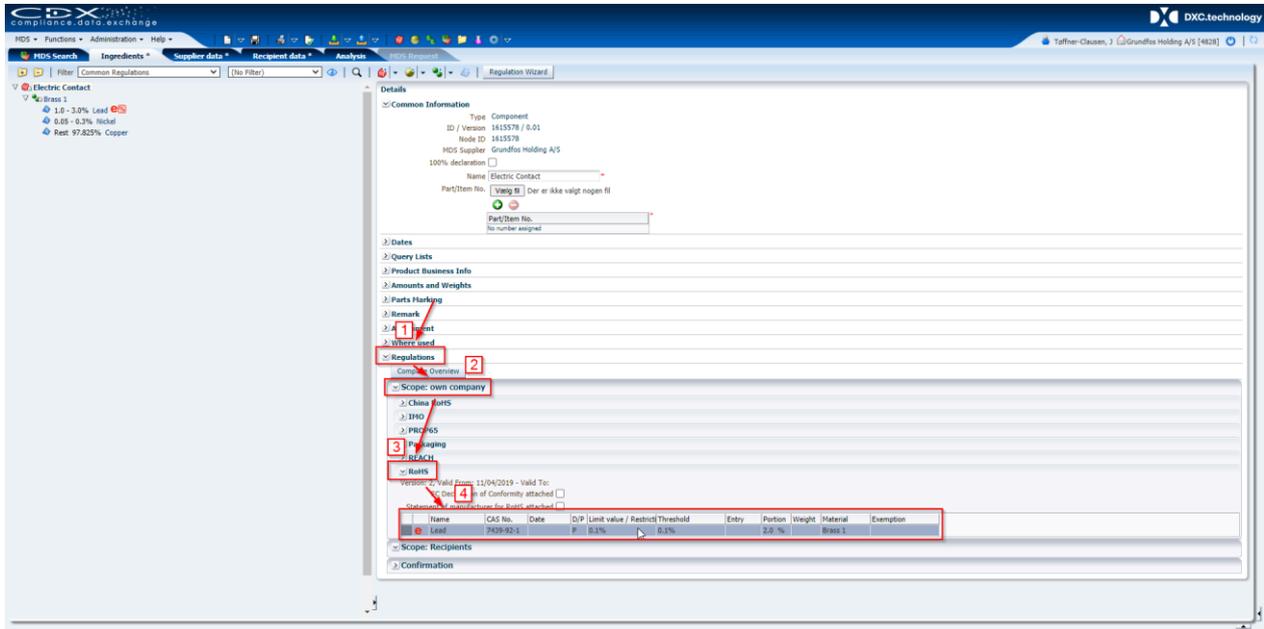


Add a *Classification* by clicking the green plus and choosing an appropriate *Classification* for the chosen *Material*. Make sure to pick the '*IMDS classification*' on the top of the menu and that the box at the bottom of the menu is unchecked as shown below:

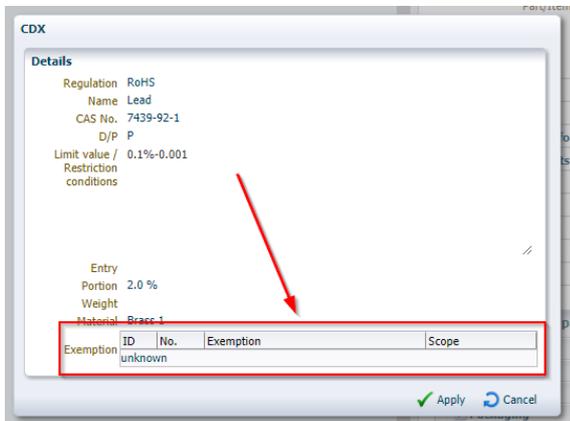


7.5 How to add RoHS exemptions

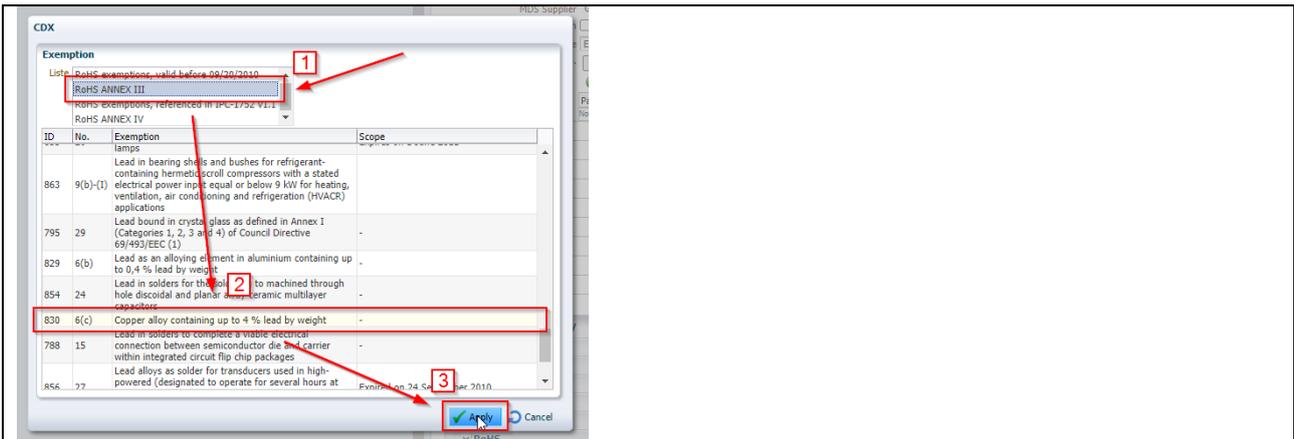
When creating materials exempted under RoHS, you will need to add an exemption to the material, which contains the RoHS-substance in question. To do this you need to find the RoHS-substance within the *RoHS* menu under *Regulations > Scope: own company*:



Double-click on the substance you wish to add an exemption to and the following menu will open:



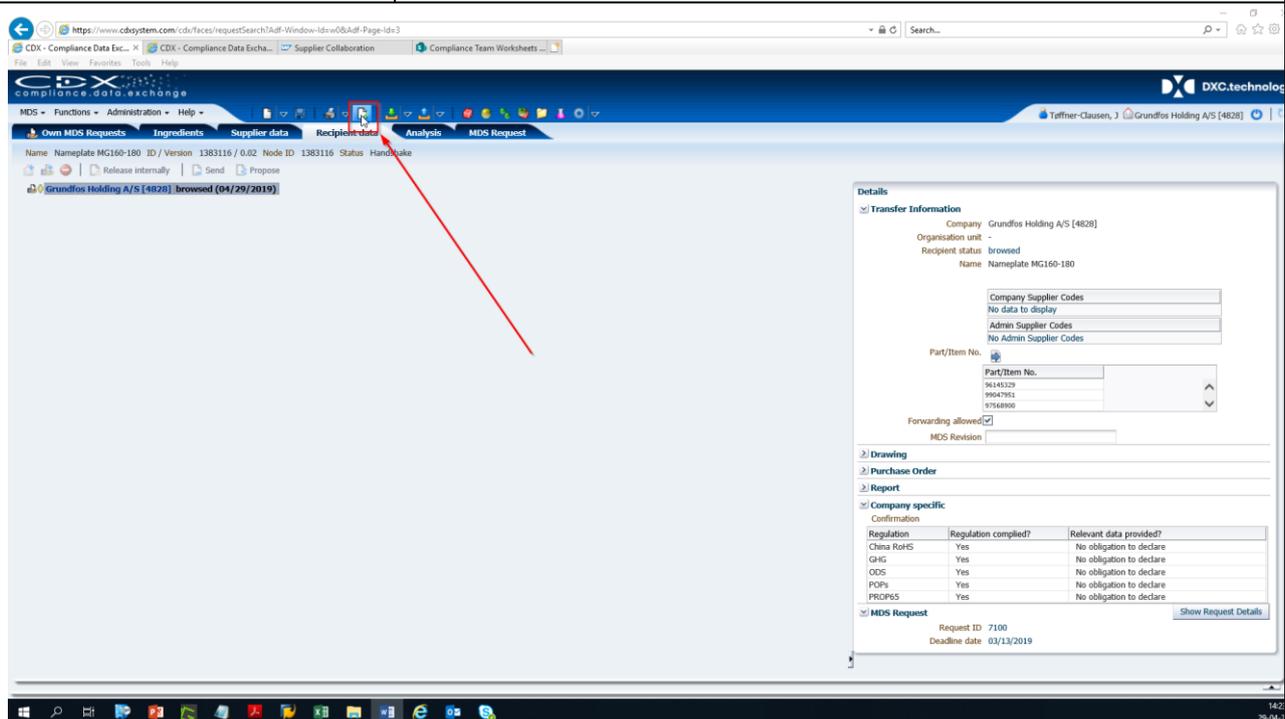
Double-click on the empty field to receive the exemption list:



Choose the appropriate exemption from the *RoHS Annex III* list. Press *Apply* once to confirm and then again in the previous menu to apply it.

8. System check

When you are finished creating your *MDS Tree*, please perform a system check on your MDS response by clicking on '*Execute Check*' on the top of the screen.



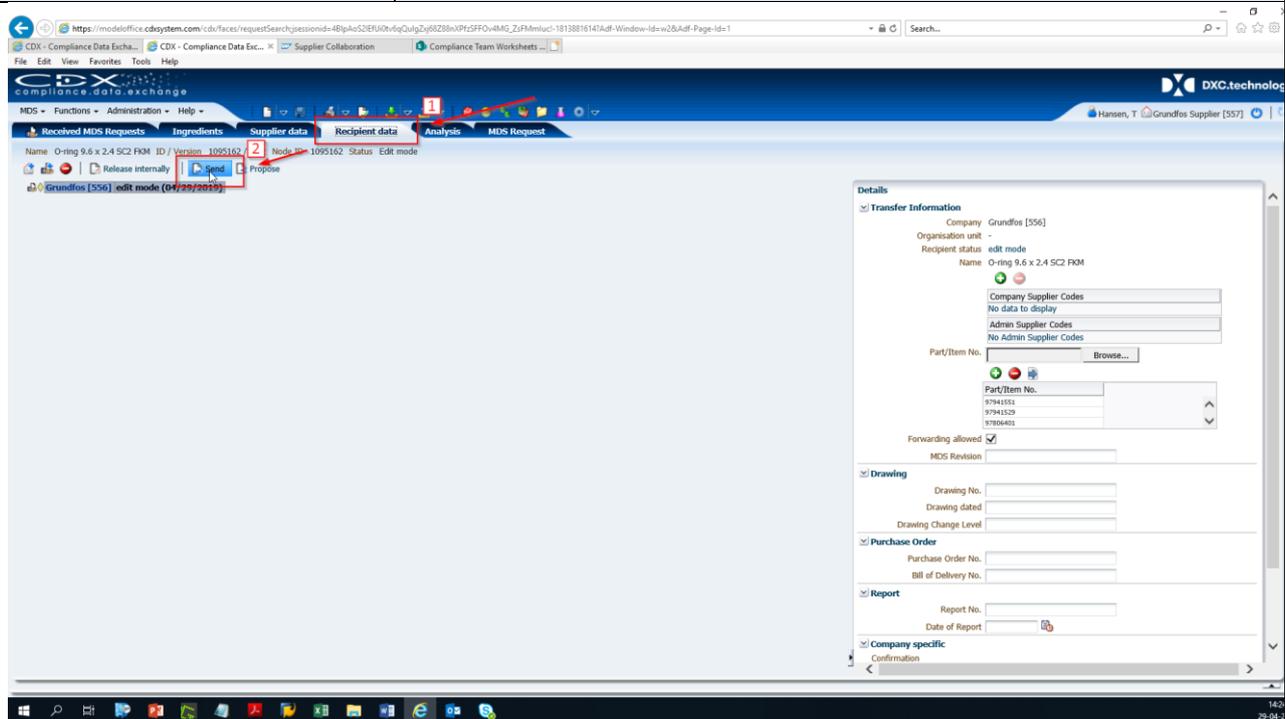
At the bottom of the screen you will be notified with the results of the system check. You can receive the following results:

- *Information* notifications ⓘ: these can be ignored.
- *Error* notifications ❌: these must be fixed.

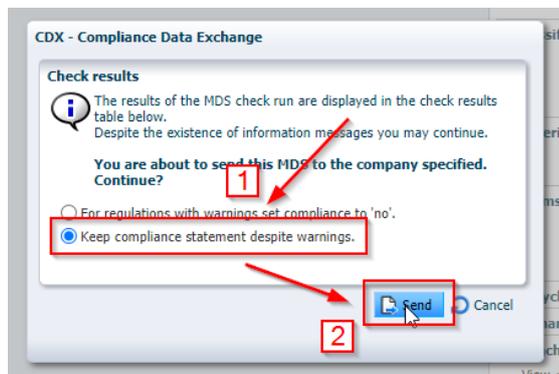
Double-click on the notification at the bottom of the screen to see where the issue lies. You can check if an issue is fixed by clicking '*Execute Check*' again and check if the notification disappears.

9. Send MDS

When all *Error* notifications are gone you can send your response by clicking 'Send' in the *Recipient Data* tab.



You will be asked to confirm whether to Send or not – confirm by clicking Send.
In certain situations you will be met with the following warning:



Make sure to check “Keep Compliance Statement Despite Warnings” before sending, otherwise your reply will be edited by the system. Press Send to finish.

The MDS is now sent, and you have finished your reply.

If you have any question regarding CDX or the Focus List, please don't hesitate to send an email to focus-list@grundfos.com.