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 <u>Focus List Excel sheet</u>, 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: <u>focus-list@grundfos.com</u>.

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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





3. Find MDS from Grundfos	Click ' <i>Search'</i> on the far-right and all open MDS requests will be displayed in the green field below.
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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 ' <i>Create MDS</i> ' in the lower right corner as shown below.
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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 <u>focus-list@grundfos.com</u> 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.

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		Complete Overview			
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		Confirmation			
		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	
		ISCA Section 6	res	No obligation to declare	





6. Confirm Company specific regulations	You will find the remaining 5 regulations under ' <i>Company Specific</i> ' in the ' <i>Recipient Data</i> ' tab. Please respond to all the 5 regulations.
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7.Declare substances	We are when de	now ready to declare substances. Follow the guidelines below eciding on whether to declare substances or not.
7.1 Type of declarations If your products contain no Focu directly to step 8 (Level1 Declar see details below.	ıs List suk ation). Bı	ostances above the allowed limits, you can skip this step and go I t please be aware that we prefer Full Material Declarations –
If a substance named on the Foc it must be declared, but If you k input this in CDX anyway (Full M	us List is now the r aterial De	found in a concentration higher than the mentioned limits, then naterial composition of your products, we recommend that you eclaration).
It is possible to only declare Fo substances – the "incomplete" following example for a stainless	cus List s part wil s-steel bo	ubstances (Partial Declaration), i.e. leaving out non-declarable I automatically be labelled compliant in our system. See the It:
▼ 🚯 Bolt ▼ 🌯 AISI 316		
10.0 - 14.0% Nickel S In this case the nickel is the only F need to be declared and will autom	<i>ocus List</i> s atically be	ubstance present in stainless steel. The remaining substances do not set as non-declarable.
 Based on how much information take into consideration that as of our suppliers we are preferring. Level1 Declaration: You up a material declaration confirming them as per Partial Declaration: You declaration tree with on Full Material Declaration tree of your 	n you pro our long- ng the Fu do not ha on tree. N Step 5. ar have Foc ly those s on (prefe product,	vide us we distinguish the following type of MDS replies. Please term goal is collecting all material-related information from all Il Material Declarations. ve any Focus List substance in your product and you do not build 'ou declare your compliance with the different regulations by id/or by uploading compliance statements as an attachment. us List substance(s) in your product and you build up a material ubstance(s). erred way of declaration): You build up the whole material regardless if it contains Focus List substances.
7 2 Hourte build up the ser		
The 'MDS Tree' is built using 'Co	ompositio	t blocks', 'Semi-Component blocks', 'Material blocks' and 'Basic
Substance blocks':	امريما	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:

Own MDS Requ		+ Help +			
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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.

Own MDS Requests Ingredients *	Supplier data *	Recipient data *	Analysis	MDS Request
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Component_1104159				Details
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				≥ Classifications *
				Material Information
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See some completed examples of MDS trees below:

 ✓ Crew ✓ Screw ✓ XSCrNiMo17-12-2 ▲ 0.0 - 0.07% Carbon ▲ 16.5 - 18.5% Chromium ▲ 0.0 - 2.0% Manganese ▲ 2.0 - 2.5% Molybdenum ▲ 0.0 - 0.1% Nitrogen ▲ 10.0 - 13.0% Nickel ▲ 0.0 - 0.045% Phosphorus ▲ 0.0 - 0.15% Sulphur ▲ 0.0 - 1.0% Silicon ▲ Rest 66.635% Iron ▲ 0.0 - 0.04% Copper 	 ✓ Coated Wire ✓ Black Insulation ♦ 5.0% Carbon black ♦ Rest 95.0% Polyvinylchloride ✓ Copper Wire ♦ Rest 99.95% Copper ♦ 0.05% Lead
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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:





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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.

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V Material_1104159		Details ✓ Common Information Type Name Material Name Material Internal Material No. Internal Material No. No number assigned Is Article Amounts and Weights ✓ Classification List Classification Vestion Vestion Vestion	*

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:

Classification	
Classification IMDS	
I: Steel and iron materia 2	
 2: Light alloys, cast and wrought alloys 	
7 3: Heavy metals, cast and wrought alloys	
Copper (e.g. copper amounts in cat	ble hamesses)
3.2: Copper alloys	
3.4: Nickel allow	
3.5: Lead	
 4: Special metals 	
 5: Polymer materials 	
> 6: Process polyr ers	
> 7: Other materials and material compounds	s (scope of mix
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9: Fuels and auxiliary means	
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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*:

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

Entry Portion Construction Feature 0.1%+0.001 Restriction Conditions 2.0 % Weight Material Brace 1 No. Exemption 10 No. Exemption Scope unknown				Annhy Com
Entry Portion 2.0 % Weight Material Brace 1	Exemption	ID No. unknown	Exemption	Scope
Limit value / 0.1%+0.001 Restriction conditions	Entry Portion Weight Material	2.0 %		
D/P P	Limit value / Restriction conditions	0.1%-0.001	\setminus	
CAS No. 7439-92-1	CAS No. D/P	7439-92-1 P		
Regulation RoHS Name Lead	Regulation Name	RoHS Lead		

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





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Chose 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.

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	Company specific Confirmation		
	Regulation Regulation complied?	Relevant data provided?	
	GHG Yes	No obligation to declare	
	ODS Yes	No obligation to declare	
	POPs Yes PROP65 Yes	No obligation to declare	
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		29-04-	

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 ⁽¹⁾: these can be ignored.
- *Error* notifications ^(C): 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.





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9. Send MDS	When all <i>Error</i> notifications are gone you can send your response by clicking ' <i>Send</i> ' in the <i>Recipient Data</i> tab.		
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