





Incorporating the latest of system release 4.0



This presentation gives a recommended step-bystep procedure for creating MDSs in the IMDS system.

While this presentation gives recommendations on how to input data, it does not replace the individual OEM requirements that can be found on:

Public pages> FAQ > OEM Specific Info

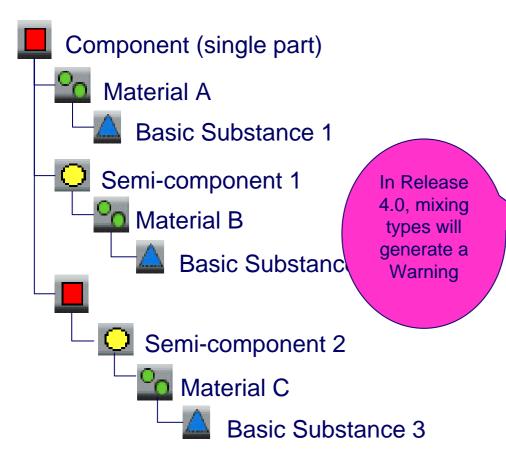
Or specific product recommendations found after login on:

Recommendation





Basic MDS Structure



Note - The requirement is to reduce all parts to Basic Substances.

At the moment, the system allows mixing of types at the same level - there are some OEM's and Tier One's that require all siblings be of the same type - be sure to understand your customer's requirements before expending a lot of effort – please review Recommendation 001 and other recommendations that pertain to your product.

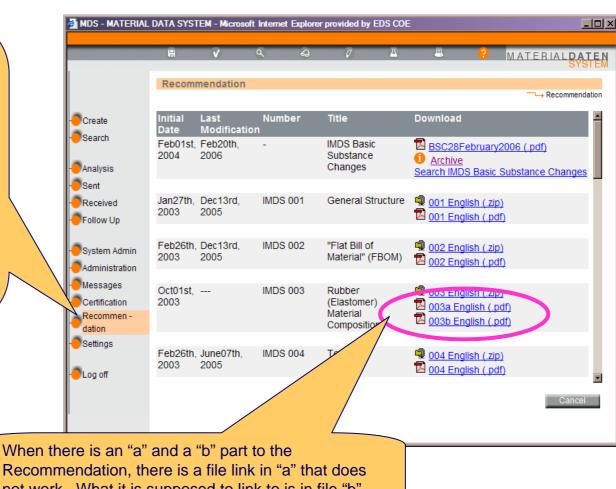




Where To Find Recommendations



- The **Recommendation** link will bring up a screen similar to the following
- IMDS 001 is what is commonly referred to as Recommendation 001
- You should check this screen once a month for changes that will be made at the end of the month to the basic substance list (deletions, renaming, changing to D/P status)



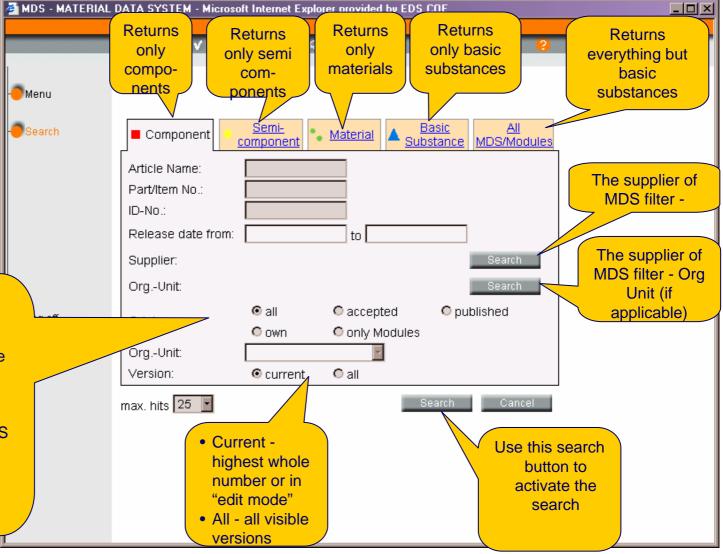
Recommendation, there is a file link in "a" that does not work. What it is supposed to link to is in file "b"



A Word About Searching

Searching can be made quicker by the use of the filters:

- Accepted sent to your company and accepted
- Published available to anyone with an **IMDS UserID**
- Own only those created in your IMDS company
- Modules only modules
- All anything visible

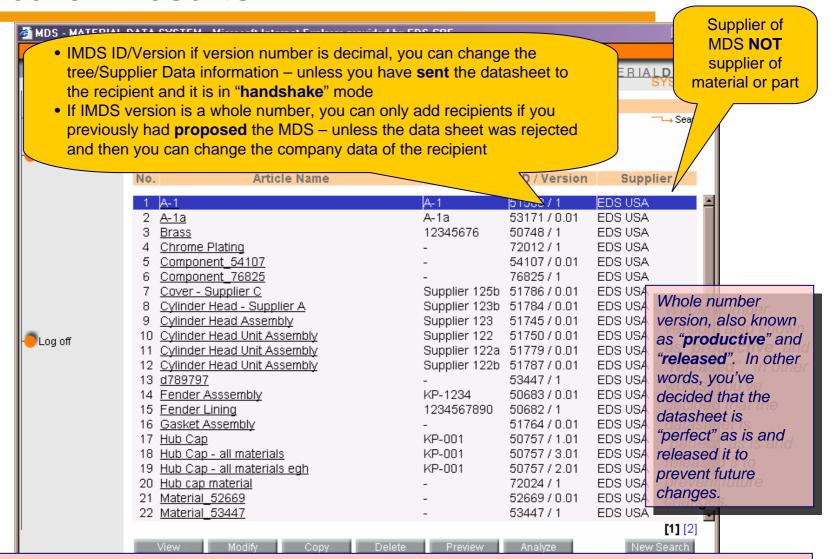






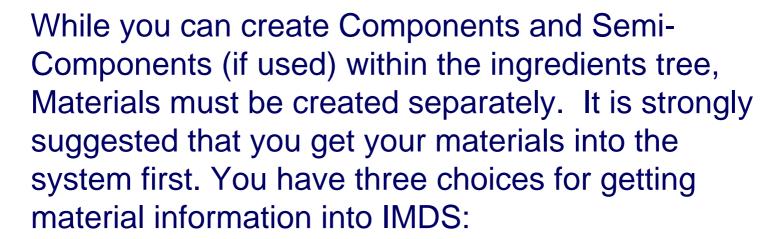


Search Results



Note: If it is a whole number version, "modify" is very limited – originally you could change supplier data and Company Data (Recipient Data), but due to the requests of off-line users, it has become more limited over the years.





- Use published materials (use at own risk if not entered by manufacturer of materials or IMDS Committee - anyone can publish and there is no quality check)
- Have your supplier input material MDS and send it to you (best if you have time and a cooperative supplier)
- Build the material tree yourself and internally release (time consuming and you may not have information)





IMDS Committee Published Materials

- Certain caution must be used when using Published materials as the creator of the MDS is responsible for the quality. The IMDS Committee has published data to certain norms. In Release 4.0, these datasheets will be given priority in the Search Results (listed ahead of the others). The IMDS Committee has Published Data from 3 companies –
 - IMDS Committee (423)
 - Special materials (e.g. coatings, ink)
 - IMDS-Committee / ILI Metals (18986)
 - Predominantly the other metal alloys although there are some steels in the list best to place *xxxx in name field where xxxx is the number of the norm you are looking for - the * returns where that character string appears in the name field
 - Have some standards/norms
 - Not posted with material number
 - Stahl und Eisen Liste (313)
 - Predominantly steels with European Standards (you're pretty much out of luck if looking for SAE)
 - Usually posted with material number and standard



MATERIAL DATEM



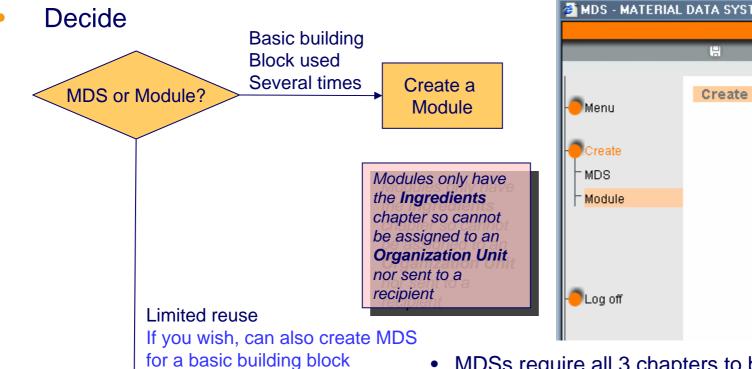




MDS or Module?

Create an

MDS

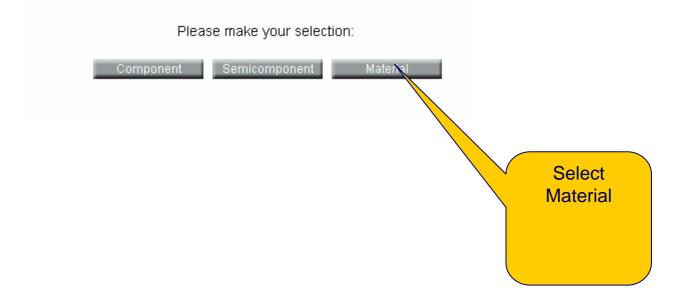


- MDSs require all 3 chapters to be filled in - Ingredients, Supplier Data, Recipient Data
- Modules only require Ingredients to be defined as the rest gets set when used in an MDS





Create the Material







Create a Module/Material – Not a Thermoplastic nor Elastomer

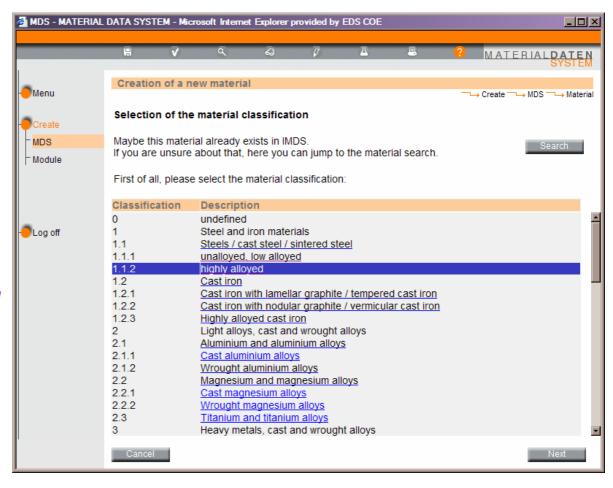


- You should first check to see if the material exists

 you can click on
 Search and go see, but we're going to assume that it doesn't
- Select a material classification (you only can select underlined classifications)

Filled and Unfilled Thermoplastics and Elastomers are handled differently, so we'll do those later

 Once the selection is made, click **Next**





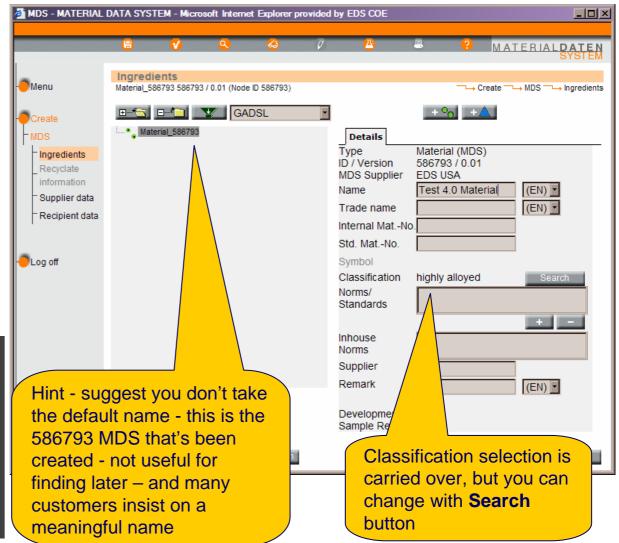


Supply Identification

- The Material Name and Internal Mat.-No are how you refer to the material in house - so you can find the MDS later.
- Symbol means the ISO 1043 symbol if it is a polymer it is meaningless for Steels

New in Release 4.0 – Std. Mat-No – primarily used for Steels and all material classifications have Internal Mat.-No field

Theoretically, you can use the Material Name and Material-no how you wish, but some OEMs (and hence by necessity the Tier 1s) have specific naming requirements. You may want to review the documentation in Public Pages > FAQ > OEM Specific Info and Recommendation 001





Caution About Names/Trade Names



- Materials are multi-lingual. Normally, you will fill in the English and hit save, IMDS will note that the German (DE) is blank and copy the English into the German.
- If you change the Name or Trade Name after the save, the English WILL NOT be copied to the German. When you do your search, you will have 2 different items in the results.
- Solution when you change the Name or Trade name, use the pulldown to DE and delete whatever is there, then save and the English will be copied to the German.

Name	Material_77462	(EN)
Trade name		(EN)
Name		(DE)
Trade name		(DE)

Users frequently accidentally delete a material because both the English and German are displayed in a search. IF IT IS THE SAME ID/VERSION IT IS THE SAME MDS!!



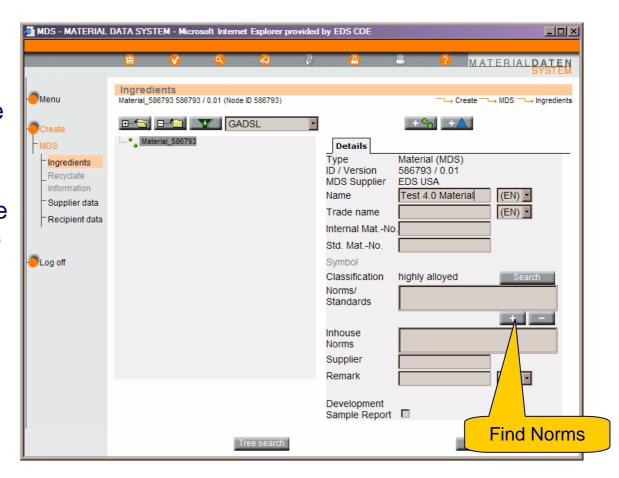


Norms and Standards



- This material is going to be a type of steel
- Now to Norms, if there are any, click on +
- Only OEMs have Inhouse Norms -some suppliers manufacture to an OFM norm. If you don't find your norm, add it to the comment field

Lately, some OEMs have been requiring the Material-No. field to include the Norm. We're not sure why.



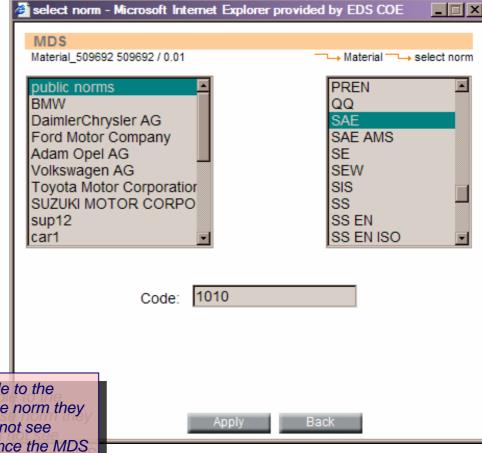




: Add Norms

- Depending on what you select on the left window, the right window will change
- Select from the right window and enter the code
- Click on Apply
- Inhouse norms are added the same way but appear in the lower box

About in house Norms – they are only visible to the MDS creating company and the OEM whose norm they are. Everyone else in the supply chain will not see them. Suppliers who copy instead of reference the MDS sent to them will not know that a material has been made to an OEM norm.



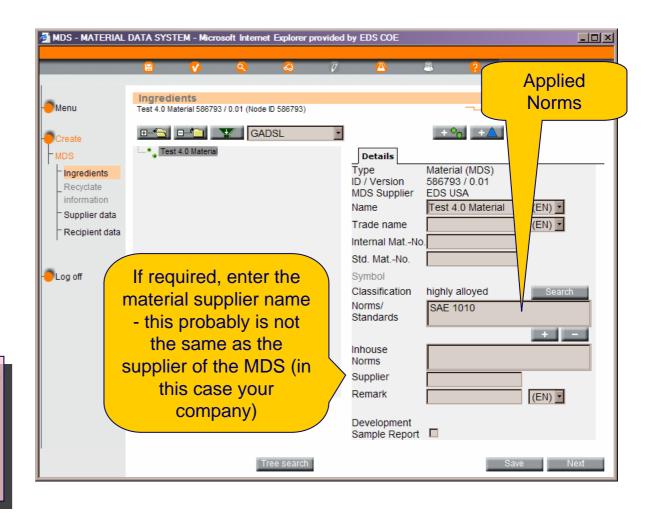




Material Supplier

- The Norms have been applied repeat if there are any more
- Enter your supplier information if required or desired
- Click on Save

Many suppliers don't want to state who their suppliers are.
Check with your customer to see if this is a requirement.

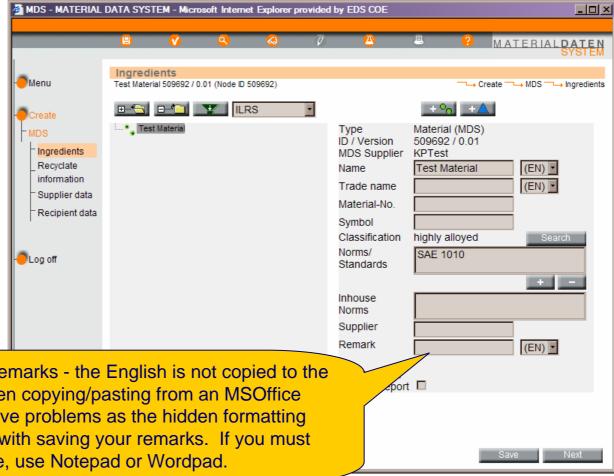






Remark

- The Norms have been applied repeat if there are any more
- Enter any pertinent remarks
- Click on Save



If required, enter any remarks - the English is not copied to the German here – when copying/pasting from an MSOffice product you may have problems as the hidden formatting characters interfere with saving your remarks. If you must copy/paste, use Notepad or Wordpad.

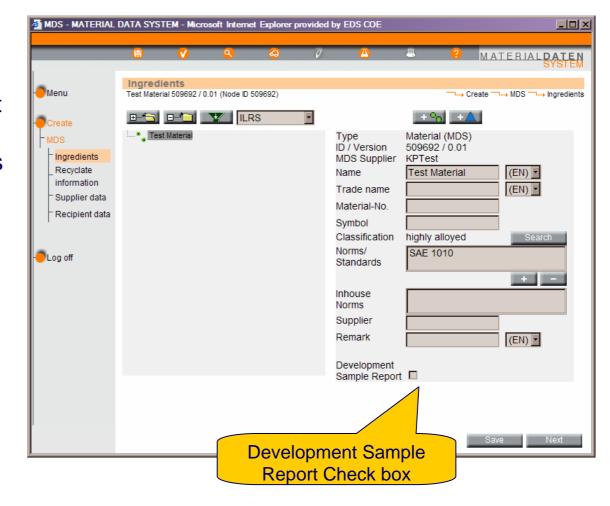




Development Sample Report



- If you have a "First Sample Approval Report", check this box
- Click on Save



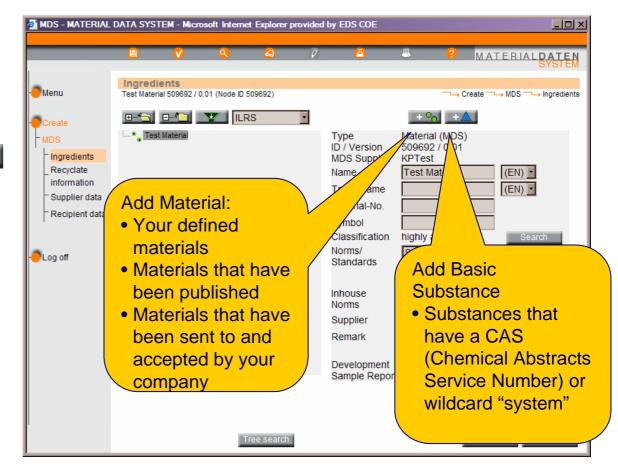






You can add
 Materials or Basic
 Substance - in this
 case, click on the

New in Release 4.0 - once you attach a basic substance, you can only continue to attach basic substances and once you attach a material, you can only continue to attach materials



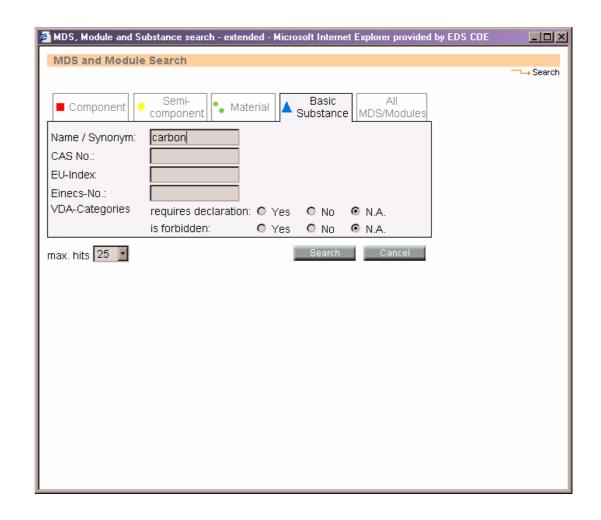




Find First Substance

 Enter the entire compound, or a shortened version of it, or the CAS number and click on Search

Search hint:
Sometimes less is
more - the more filters
you fill in, the more it
has to match and the
search may come
back unsuccessful.









 Scroll down the list until you find the Basic Substance and click Apply

Basic substance addition - If you don't find your substance and have the CAS number, email the help desk with all the relevant information to have it added.

MDS	and Module Search				
					— Se
	Criteria: Name=carbon,dut	y-to-declare=N	.A.,prohibited=N.	A.	
	cords found: 55				
No.	Name	CAS No.	EU-Index	Einecs-No.	Synonym ILF
1 2-6	ethylhexyl chloroformate	24468-13-1		246-278-9	Carbonochlor
	yl-chloroformate	2937-50-0	_	220-916-6	Carbonochlor
_	monium-carbonate	10361-29-2	_	233-786-0	Carbonic acid
4 ba	rium carbonate	513-77-9	056-003-00-2	208-167-3	Carbonic acid
5 be	nzyl-chloroformate	501-53-1	607-064-00-4	207-925-0	Carbonochlor
	tyl-chloroformate	592-34-7	607-138-00-6	209-750-5	Carbonochlor
7 ca	dmium-carbonate	513-78-0		208-168-9	Carbonic acidDF
8 cal	lcium-carbonate	471-34-1		207-439-9	Carbonic acid
9 ca	rbon	7440-44-0		231-153-3	Charcoal, acti
10 ca	rbon-13	14762-74-4	-	-	Carbon-13C -
11 Ca	arbon-black	1333-86-4		215-609-9	Lampblack -
12 ca	rbon-dioxide	124-38-9	-	204-696-9	Carbonic acid
13 ca	rbon-dioxide	124-38-9	-	204-696-9	Carbonic acid
14 ca	rbon-dioxide	124-38-9	-	204-696-9	Carbonic anh
15 ca	rbon-disulphide	75-15-0	006-003-00-3	200-843-6	Carbon bisulfiDF
16 ca	rbon-disulphide	75-15-0	006-003-00-3	200-843-6	Carbon bisul DF
17 ca	rbon-disulphide	75-15-0	006-003-00-3	200-843-6	Carbon-disulf DF
18 ca	rbon-monoxide	630-08-0	006-001-00-2	211-128-3	Carbonic oxide -
19 ca	rbon-monoxide	630-08-0	006-001-00-2	211-128-3	Exhaust gas -
20 <u>ca</u>	rbon-tetrachloride	56-23-5	602-008-00-5	200-262-8	tetrachloromeDF
21 Ca	arbonic acid, manganese(34156-69-9			
	arbonium	7440-44-0	-	231-130-11	
	rbonyl-sulphide	463-58-1	-	207-340-0	Carbon Mono
24 (2)	rhonyl culphide	463 58 1		207 340 0	Carbon Ovice
					[1] [2] [V Search Cancel



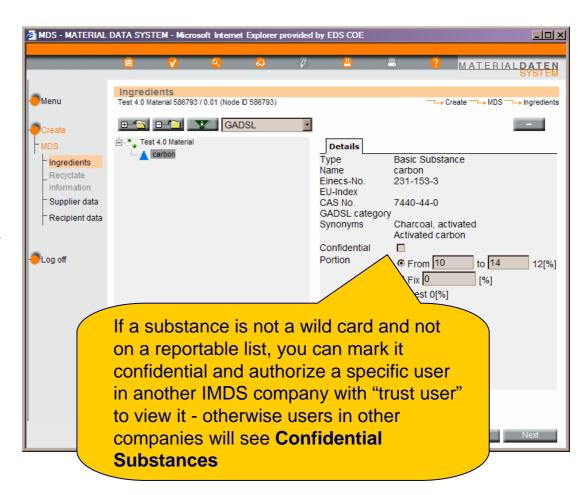


Fill in First Substance %

 Now you need to add the Portion (in this case 10-14%).

New in Release 4.0 – if you go outside the Recommendation 001 ranges, you will get a Warning: Range of portion may not exceed allowed percentage. This is a warning and not an error and IMDS will allow you to send. However your customer may choose not to accept.

- Notice you can't go down the tree any further from a Basic Substance
- Click on the top of the tree (Test material) to add another substance.





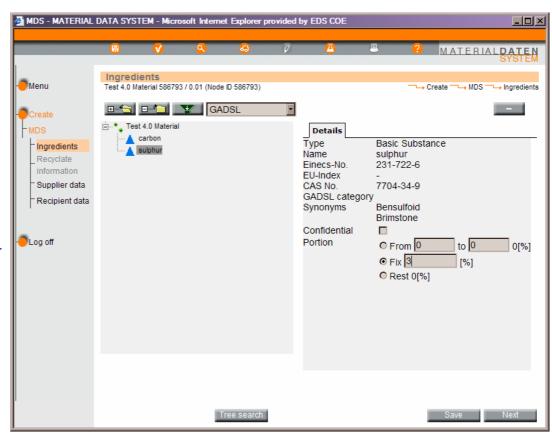


Add Second Substance

 The second substance is sulphur (or in American, sulfur).

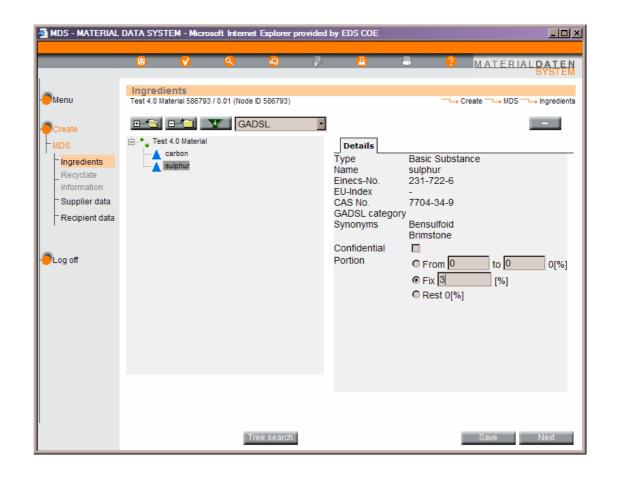
In this case, we're using a Fixed % of 3%

Note – this formulation if for illustration only – DO NOT use it for your steel





 Periodically, you will want to Save.
 Certainly, when you have all the tree complete, be sure to Save.



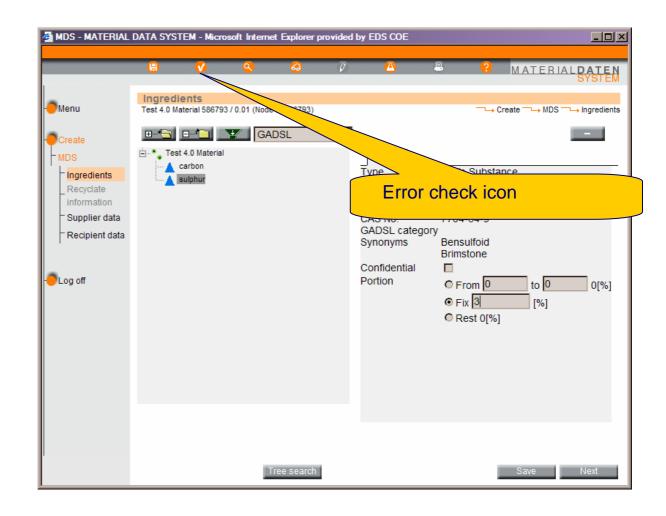




• Quick Error Check



- We're going to do a quick error check before going further.
- Click on the ✓ icon in the toolbar

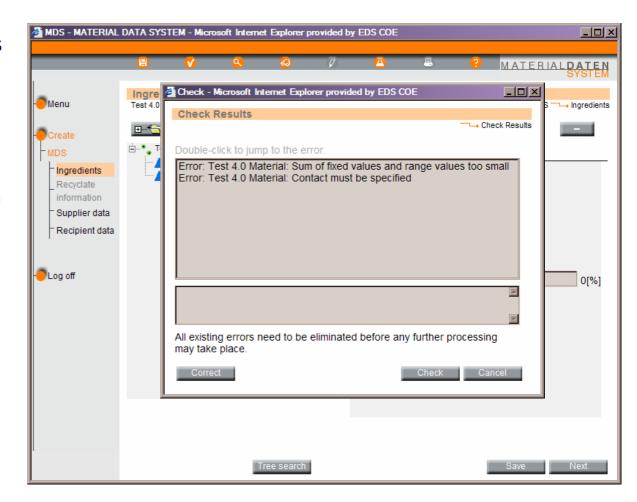






Material Errors

- In this case, there's an error created on purpose.
- The first error is because all of our % don't sum to 100 (for the from-to %, the midpoint is used). Some hardcopy datasheets only list the impurities and forget that main ingredient - in this case iron. Select Cancel.







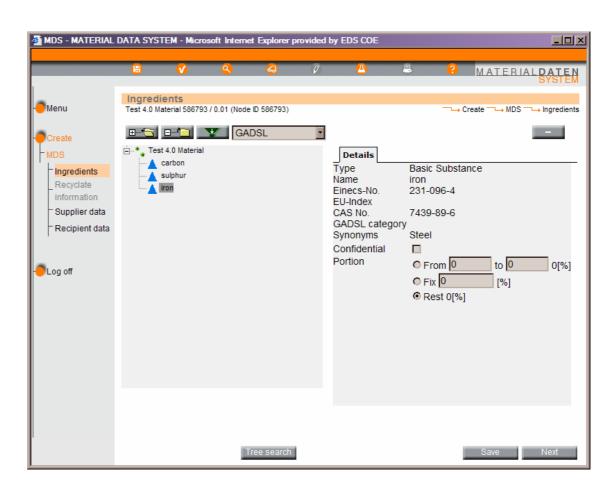
Adding the Last Substance



- Iron has been added and Rest selected.
- The MDS has been saved and the system fills in the percentage -85% iron.

Again - this formulation if for illustration only -DO NOT use it for your steel

Now the error check again



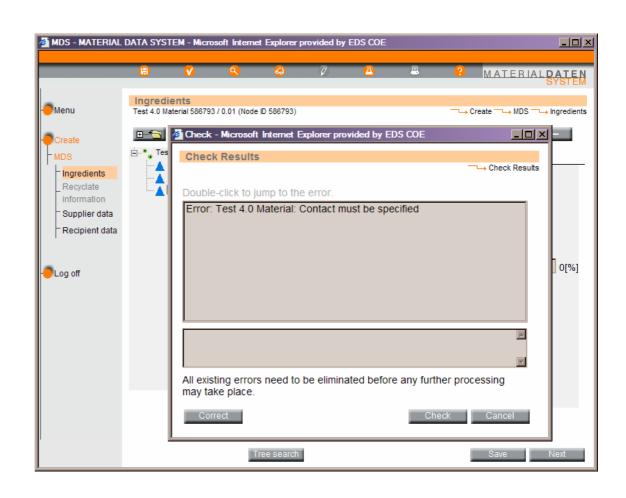




Adding the Last Substance



- There's still an error - but nothing on the ingredients page.
- Click Cancel
- When the window closes, click Next



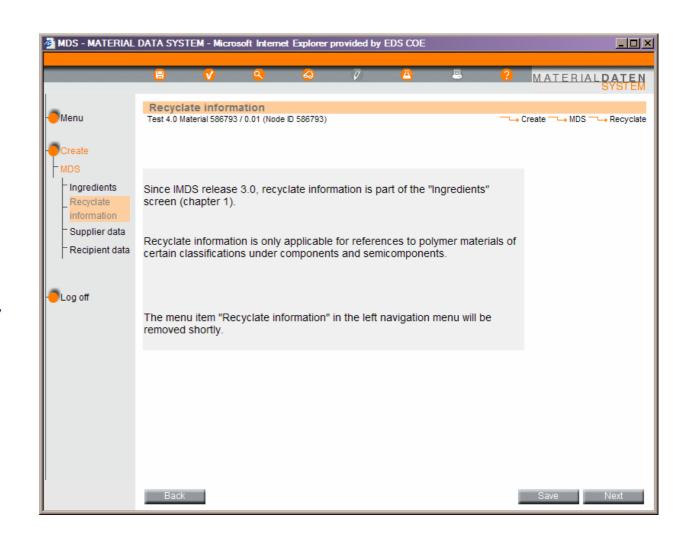




Recyclate Information



- The chapter is still there but nothing you can do. Instead of clicking **Next** on the previous screen, you could have clicked **Supplier** data
- However, now that you're here, click Next





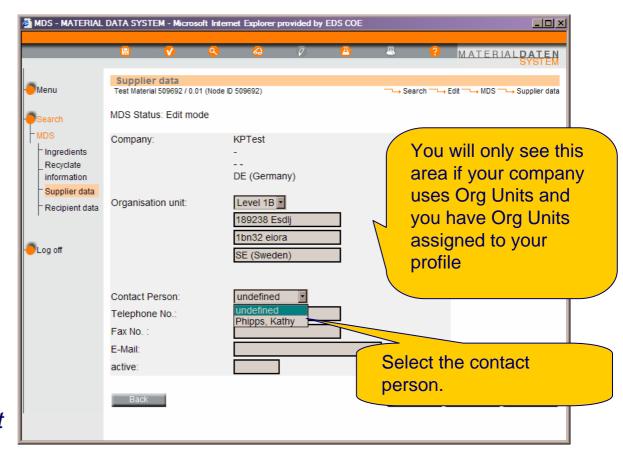






- If your company uses
 Org Units (discussed
 another time) you
 need to file this MDS
 there.
- Select the Contact person and the other information will be filled in automatically.

UserIDs and Contact people are created separately - if you need a contact created, ask the Client Manager.

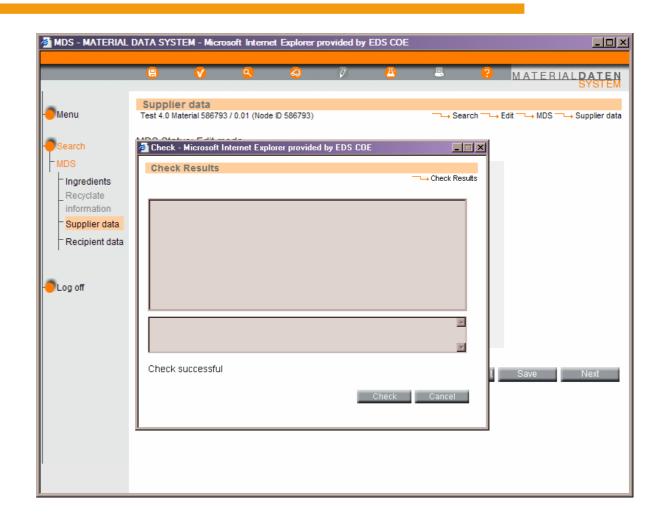






Check Now Successful

- Now that we have the contact person, the errors are removed.
- Click Cancel
- Click Next





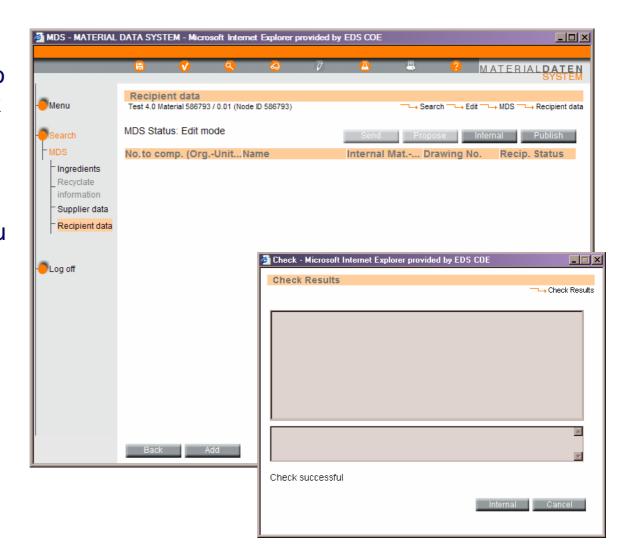




Making MDS "Productive" - Step 1

- We need to Wrap this up to be able to use it further. Click on Internal.
- The same check is made so no surprises. Now you can click on Internal

Note – the **Send** and **Propose** buttons are grayed out – you cannot use them until you add a recipient

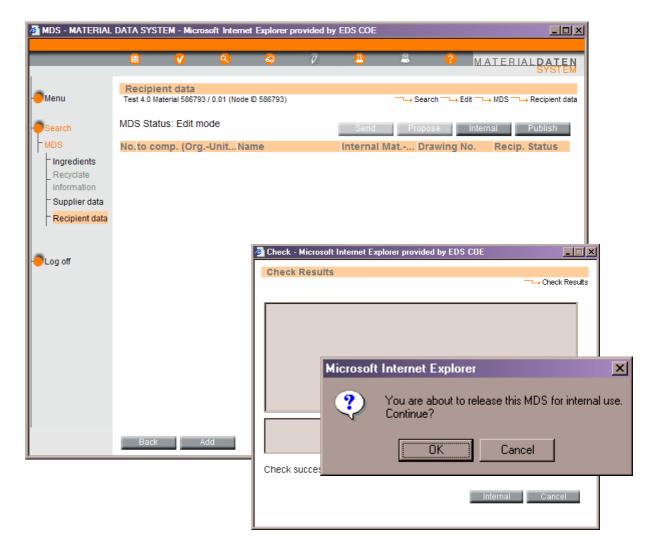






:: Making MDS "Productive" - Step 2

And answer **OK**

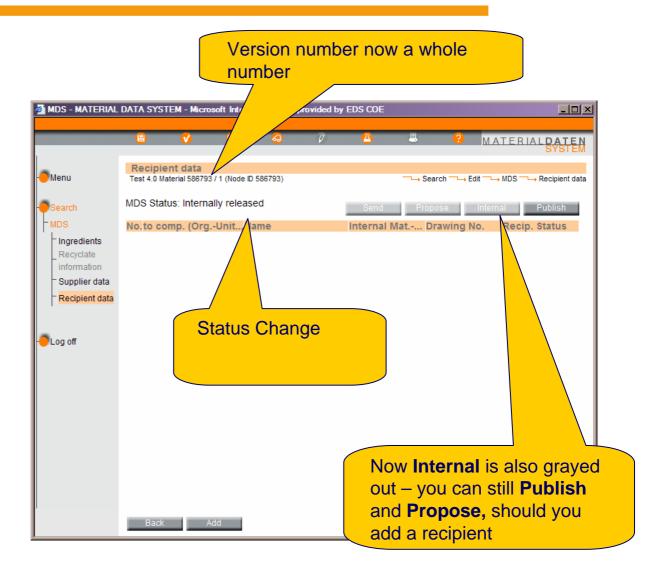






Changes

Note the changes
 Version number,
 status and buttons









- 586793 the position in the data base, what is commonly referred to as the IMDS ID
- 1 Version number. If a decimal (.01, .02, .03, etc.) Ingredients and Supplier data can be changed. If a whole number, no changes can be made on these pages. However, it may be proposed to a recipient.
- Node ID of value to people who have paid to use IMDS through either our Advanced Interface (AI) or Advanced Accelerator (imds-a2)

Recipient data

Test 4.0 Material 586793 / 1 (Node ID 586793)





Publish or Internally Release

- 99% of users NEVER Publish. Publishing allows the MDS to be seen by anyone with an IMDS UserID - not usually recommended. Internally Releasing allows only those in your IMDS company to use the MDS.
- WARNING ABOUT USING PUBLISHED MDSs because anyone can publish, it is recommended that you NOT use any published MDSs unless they were published by your supplier, the IMDS Committee or the manufacturer of the material. No one is responsible for checking the quality of published MDSs.
- WARNING ABOUT PUBLISHING IF YOU DON'T MAKE THE MATERIAL - your company's name and contact information is on the datasheet. Who do you think someone will call if there is a question or problem in the future?

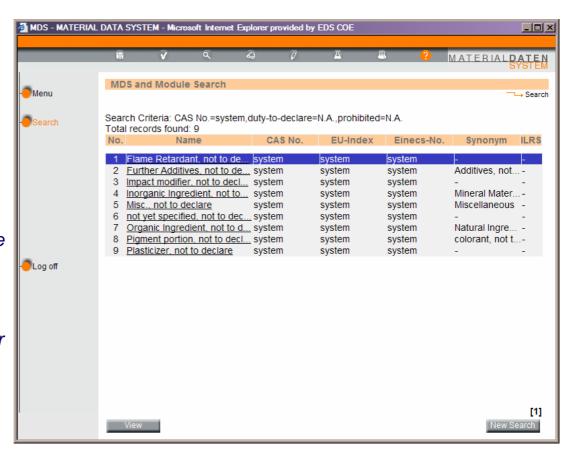




Substances Without a CAS Number



- The 10% rule almost everyone has the requirement that you must declare a minimum of 90% of the material – this means that the maximum you don't have to declare is 10%.
- This 10% may be "jokers" or "wildcards" or substances marked "confidential".
 Jokers/Wildcards have the word system for the CAS No., EU-Index and Einecs-No. You cannot use these as a replacement for any substance that must be declared.
- IMDS also has **Pseudo**Substances A pseudosubstance gives an accurate
 description of the substance or
 the substance group but does
 not have a CAS-No. these
 substances are accepted as
 real substances in IMDS and
 are not considered as
 jokers/wildcards. These
 substances have a for the
 CAS No., EU-Index and
 Einecs-No.

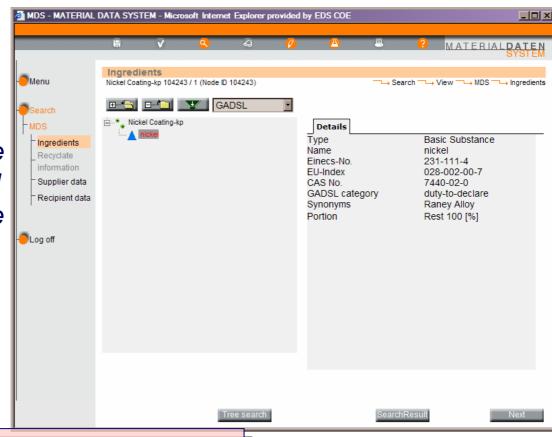






Substances in Red

- Since April 2005, the GADSL has been the default Declarable Substance list (www.GADSL.org)
- Any substance on the list will appear in Red and if you click on the substance, the system will give you details.
- You can also find the status of the substance on the Search Results.



For a more complete discussion on the meanings of D, P, D/P, please visit Public Pages > Lists > GADSL





Create a Module/Material - Thermoplastic



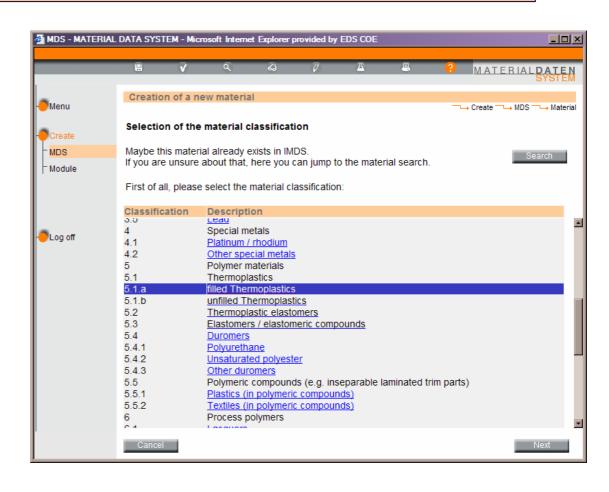
If you don't need this, skip to next section

- You should first check to see if the material exists

 you can click on
 Search and go see, but we're going to assume that it doesn't
- Select a material classification (you only can select underlined classifications)

Filled and Unfilled Thermoplastics and Elastomers are handled differently, so I've selected Filled Thermoplastic

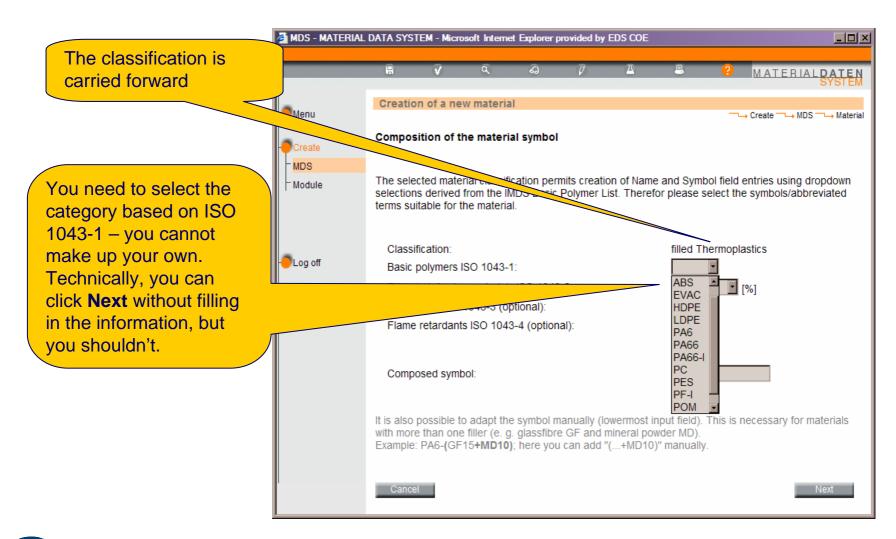
 Once the selection is made, click Next





The System as a Guide – Filled Thermoplastic

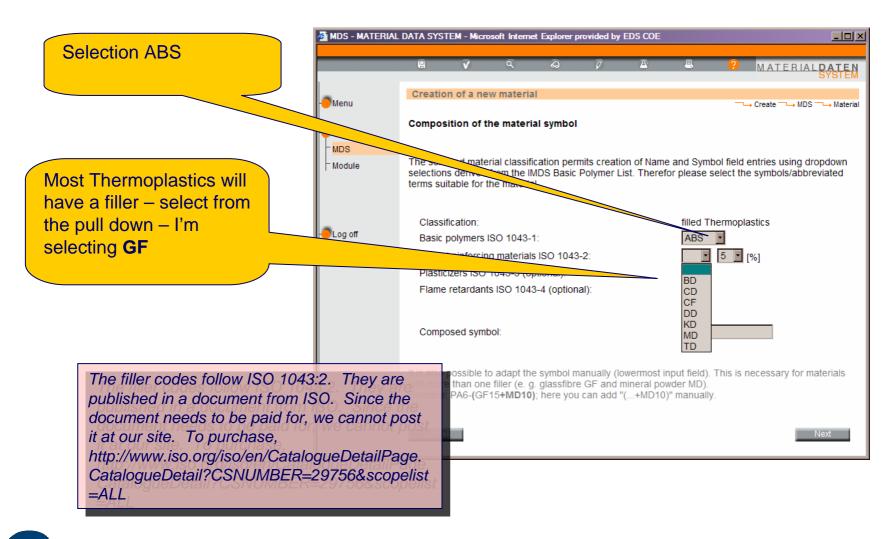








Add the Filler

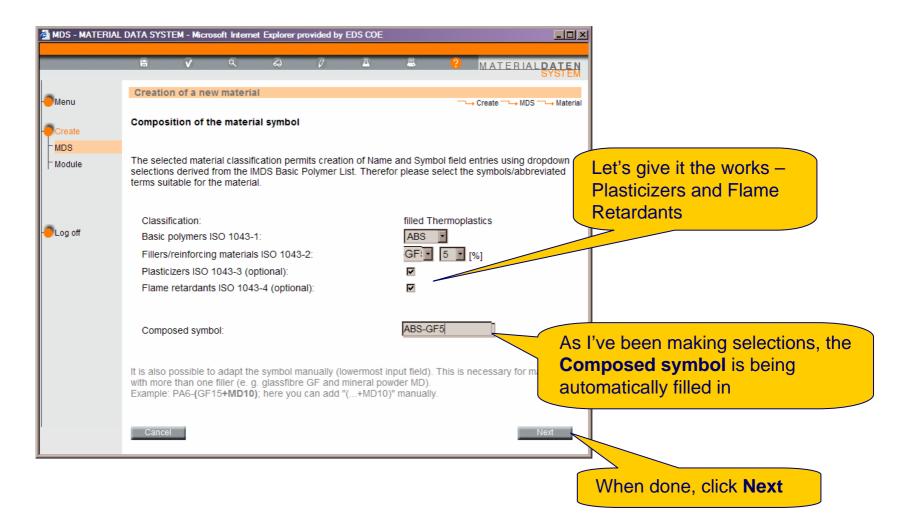






Complete the Basics

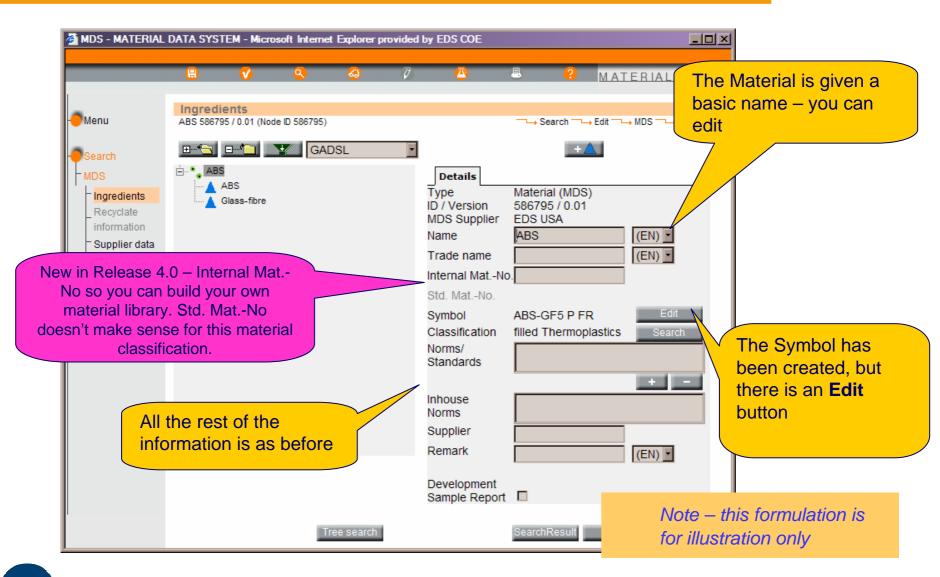








Add the Substances

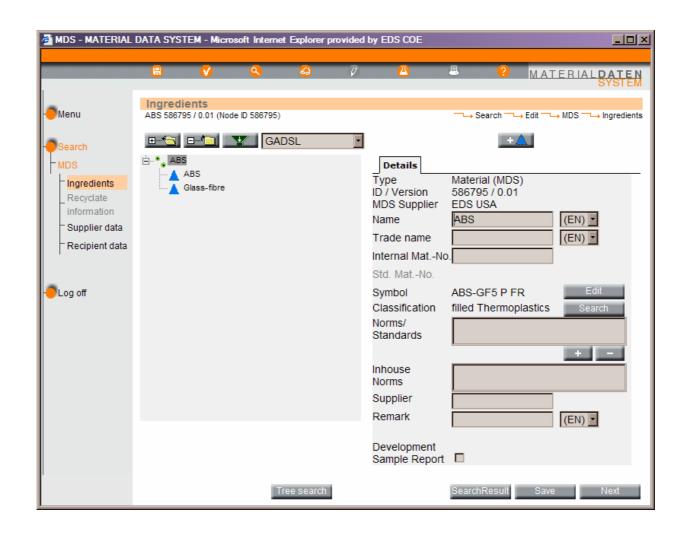






Finish as Normal

Again, this is for illustration only, this is not a real formula







Create a Module/Material – Unfilled Thermoplastic



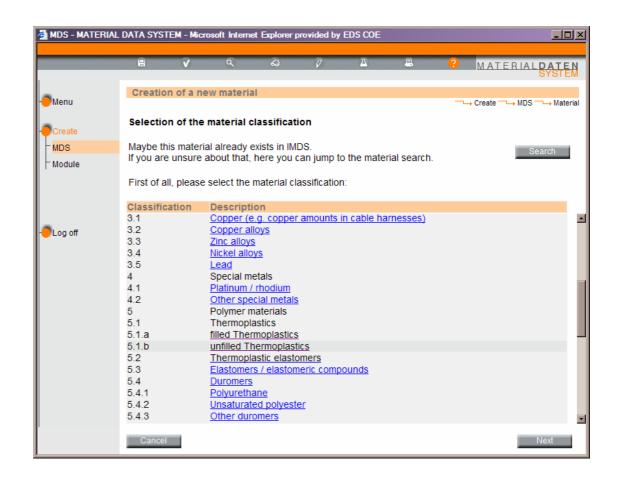
If you don't need this, skip to next section

- You should first check to see if the material exists

 you can click on
 Search and go see, but we're going to assume that it doesn't
- Select a material classification (you only can select underlined classifications)

Since we've already looked at Filled Thermoplastic, this time I've selected Unfilled Thermoplastic

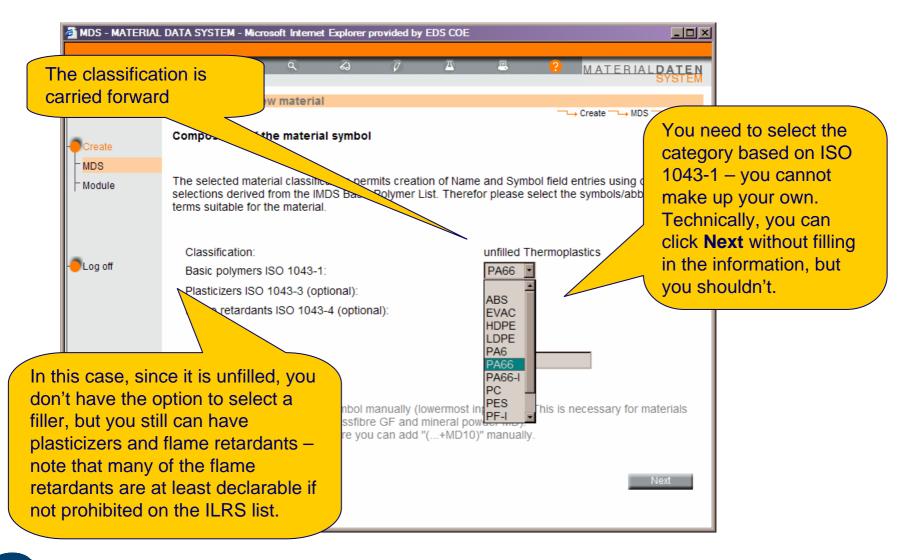
 Once the selection is made, click **Next**





The System as a Guide – Unfilled Thermoplastic

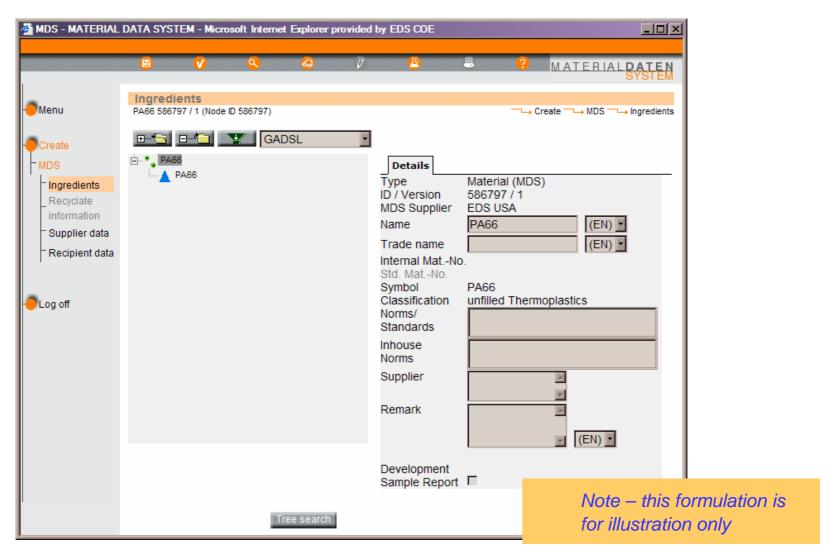








Complete as Usual







Create a Module/Material – Elastomers / elastomeric compounds



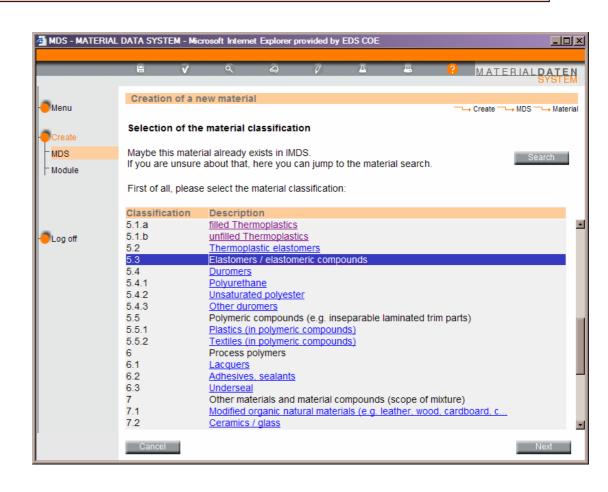
If you don't need this, skip to next section

- You should first check to see if the material exists

 you can click on
 Search and go see, but we're going to assume that it doesn't
- Select a material classification (you only can select underlined classifications)

Since we've already looked at Filled and Unfilled Thermoplastics, this time I've selected Elastomers / elastomeric compounds

 Once the selection is made, click **Next**

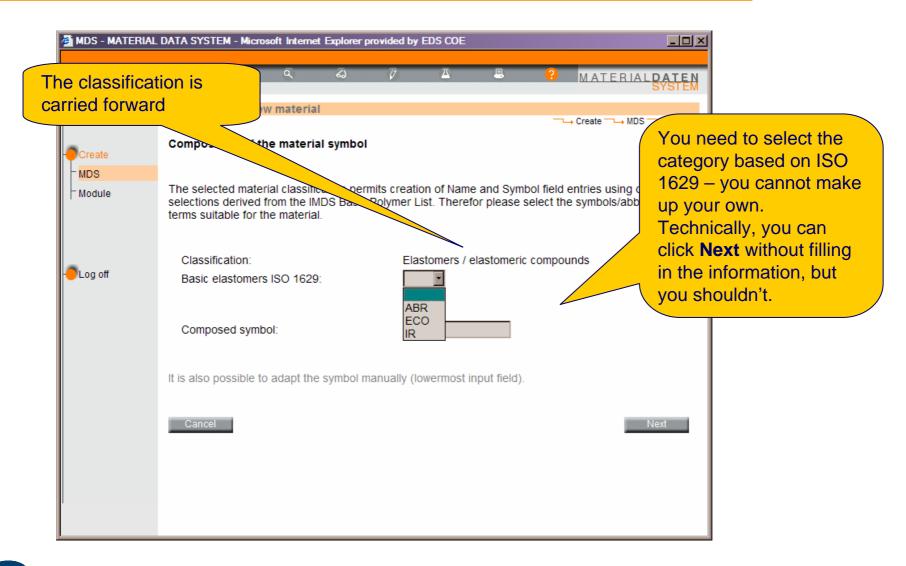






The System as a Guide – Elastomers / elastomeric compounds

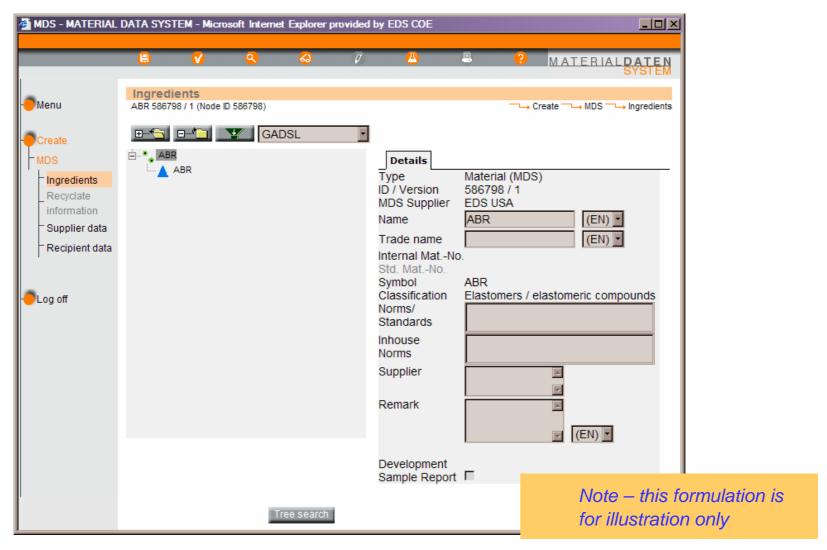








Complete as Usual





MATERIAL BY TEM

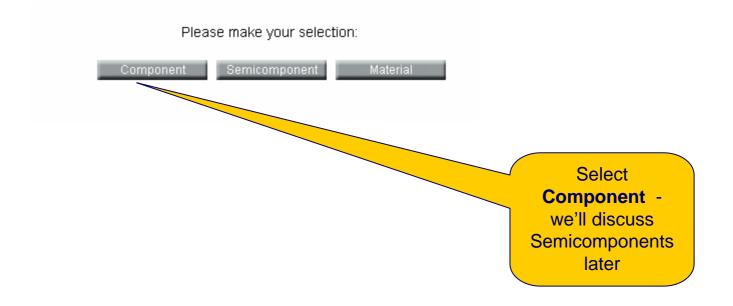
Create a Component





:: Create the Component









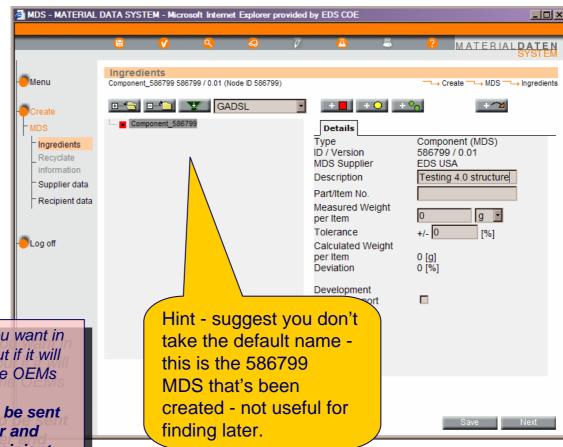
Fill in the Identifiers



Fill in the Description and Part/Item No.

> This is how you refer to the item within your company and used for finding it later

Theoretically, you can put anything you want in the Part/Item No. and Description - but if it will later be attached to another tree, some OEMs and hence Tier 1s may have other requirements. Note: if this part is to be sent to your customer, their Part number and Description MUST appear in the Recipient Data - THEY DO NOT SEE THE VALUES ON THIS SCREEN, THEY SEE VALUES FROM THE RECIPEINT DATA IN THEIR VIEW!



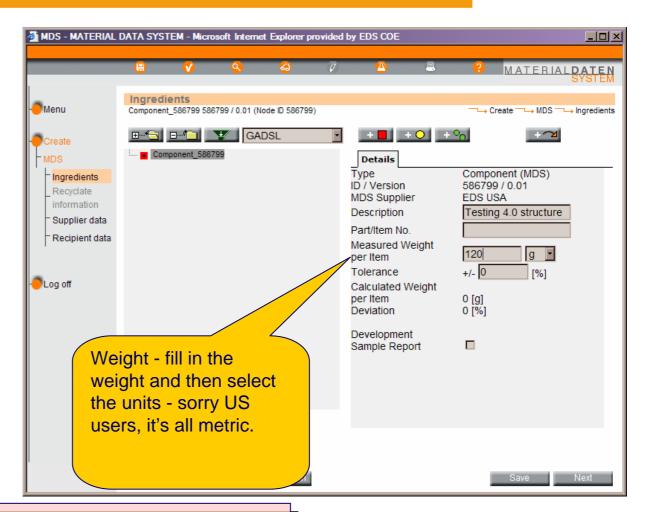




Fill in the Weight

 Enter the weight, select the units, and select the tolerance (in %).

Tolerance is not the same as the part design, but used for checking to see if all the component weights sum correctly.



If your customer does an Analysis of the total weight of materials, using a Tolerance that is > 0% may cause a flag and hence an email to you telling you to fix it.



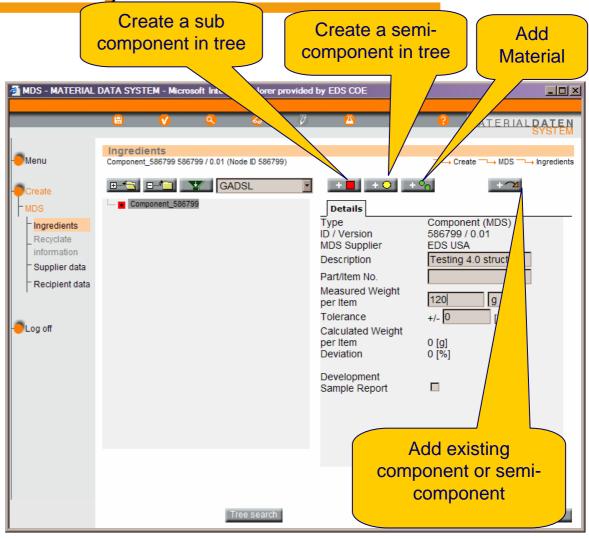
Add the Material – No D/P

Substances, or Polymer

MATERIAL DATA

 Select the add material button

With Release 3.0, not all materials are handled the same – we'll first start out with a plain material with no D/P, or Classifications regarding special handling.



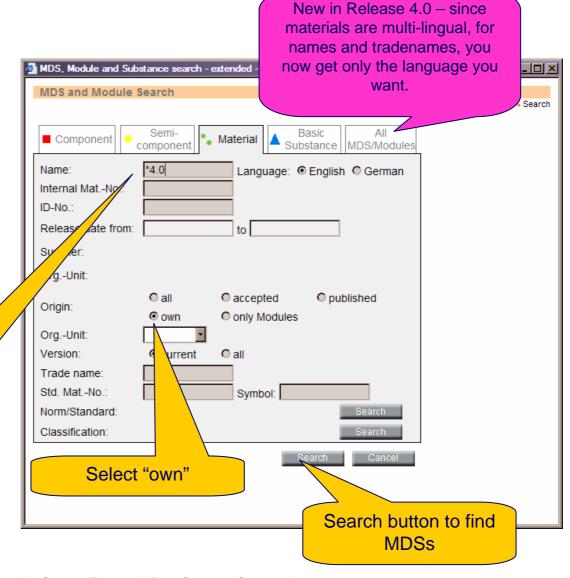




Search for Material

 Since we don't have too many materials, just search on "origin own" and select
 Search

> Searching on *4.0 is a wildcard search and will return all that have 4.0 in name



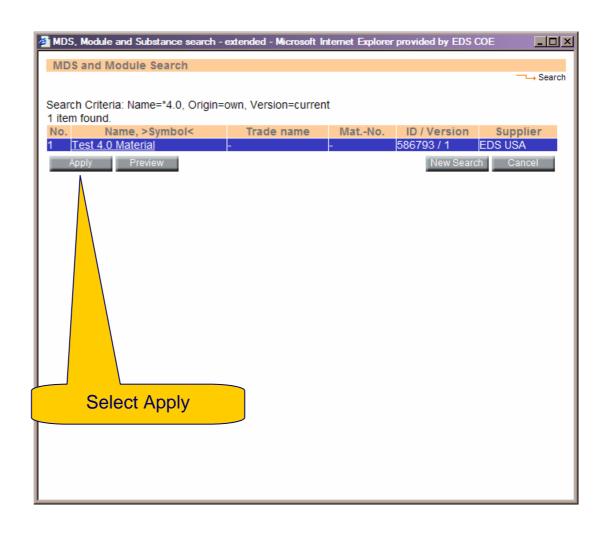




Apply Material

This is my latest because it has the highest ID - highlight and click on Apply

> Note: if you select a material that does not have a whole number version, you will have to come back later and release it before you can release or send the component.



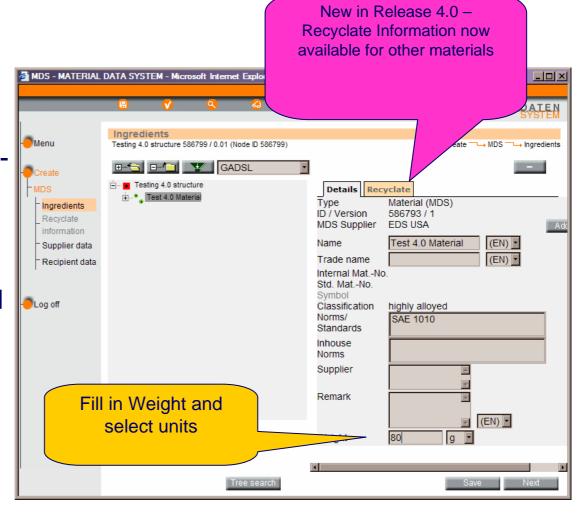




Add the Material Weight



- All the information except the weight is from the Steel MDS you cannot change anything except the weight
- Fill in the weight and Units - in this case the component is 80% of this material
- Save and hit Next



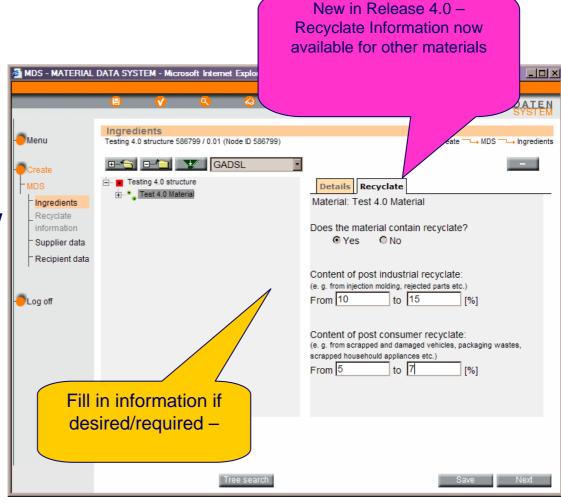




Add the Recyclate Information



- You can only add recyclate information if you are in **EDIT** mode (version is a decimal and you are not it View mode).
- If you have the default NO clicked, all values will be grayed out.
- Save and go back and click on **Ingredients**





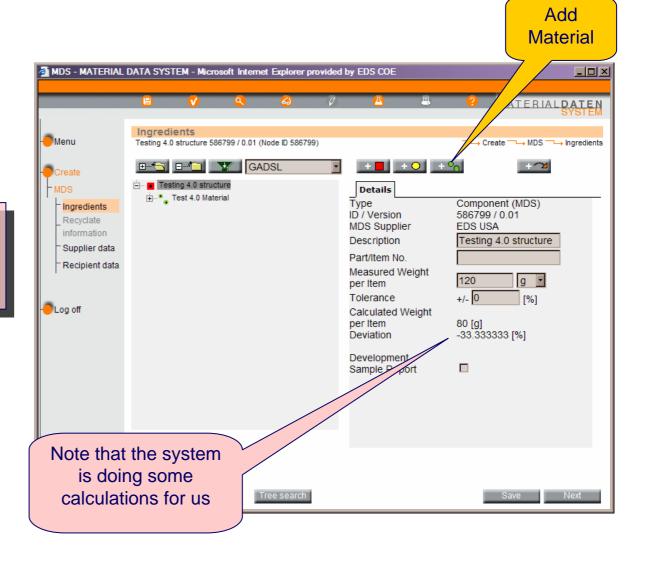
Add the Material with D, P, or D/P

INTERNATIONAL MATERIAL DATA

Substance

Select the add material button

> If the material has Lead. Mercury, Cadmium, Nickel, or Hexavalent Chromium in it, you will be asked questions when attaching.



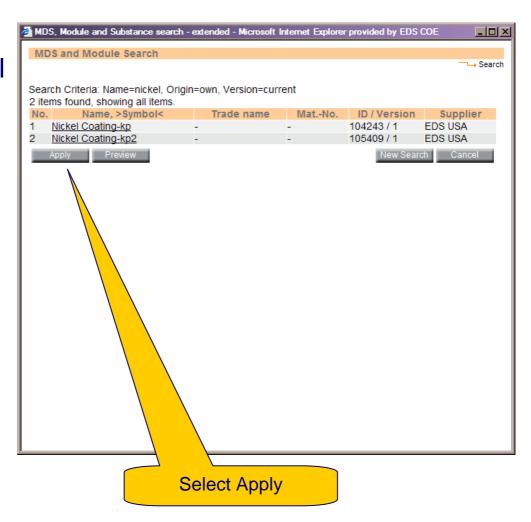




Apply Material

 I'm choosing a Nickel Coating because Nickel needs an application code highlight and click on Apply

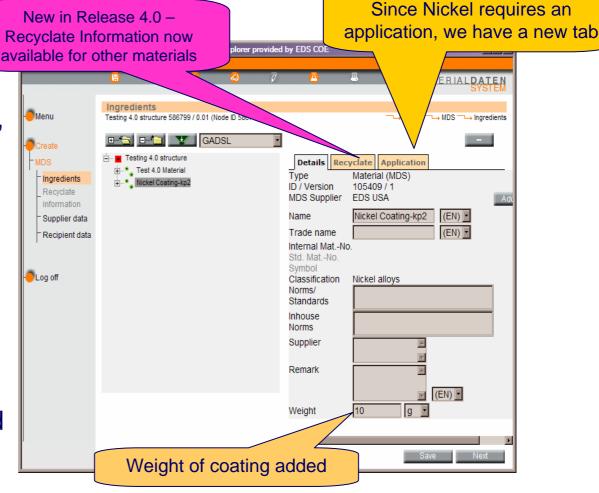
Note: if you select a material that does not have a whole number version, you will have to come back later and release it before you can release or send the component.





Tab - Application

- Since we just showed Recyclate on the Steel, you should be able to figure this one out.
- Before selecting the application, you first need to enter the weight and hit Save because one of the attributes the system uses to determine valid choices is the weight

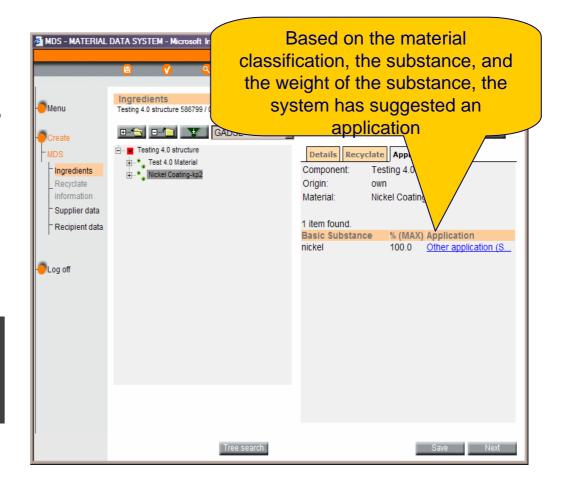






 This example is for illustrative purposes only. The system will make a suggestion

Note: although the system may suggest an application code, it is the responsibility of the user to ensure that the correct application is selected.



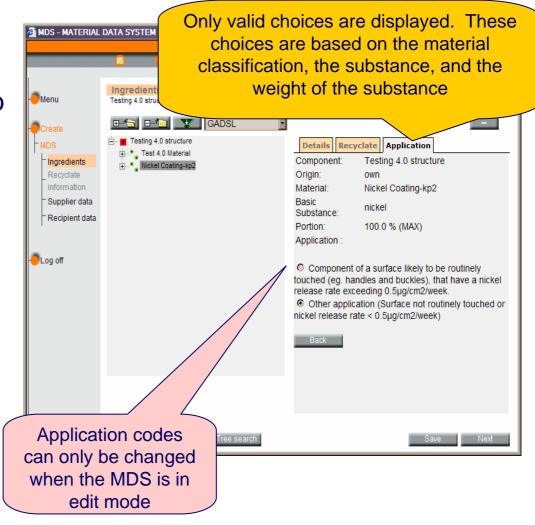




Selecting an Application

There is a complex matrix that is used to determine which applications are valid.

> Note: although the system may suggest an application code, it is the responsibility of the user to ensure that the correct application is selected.



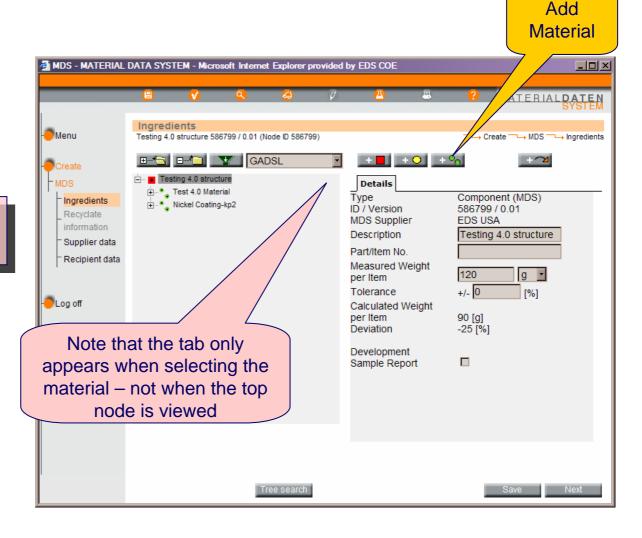


Add the Material Requiring Parts Marking Information

MATERIAL DATA

 Select the add material button

The Parts Marking Question needs to be answered for all Polymer materials



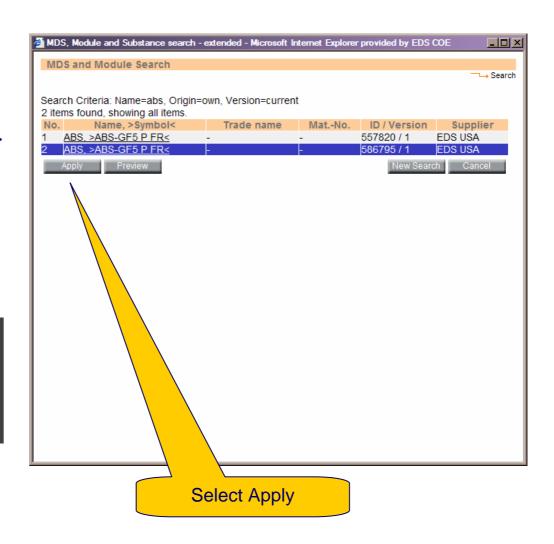




Apply Material

 I'm selecting this material because I know that it is under classification 5

Note: if you select a material that does not have a whole number version, you will have to come back later and release it before you can release or send the component.



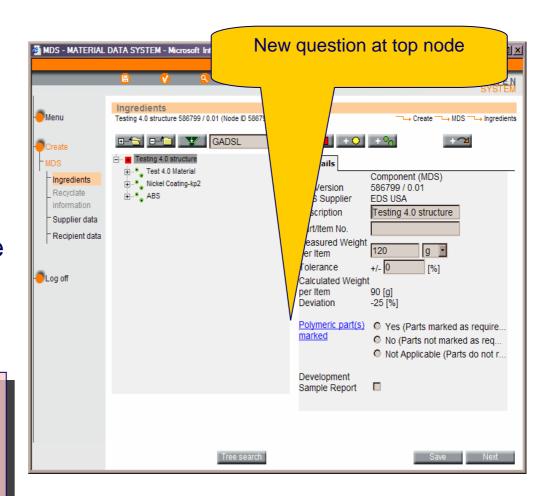






At this point,
 because we've just
 added a material
 with a Polymer
 classification, we're
 being asked if we've
 physically marked
 the part

Note: If you click on the underlined link, you will get the complete explanation of what you should be doing. Note if you're unsure, you should have someone go out and look at a part that's ready to leave the plant and check to see if it is marked.



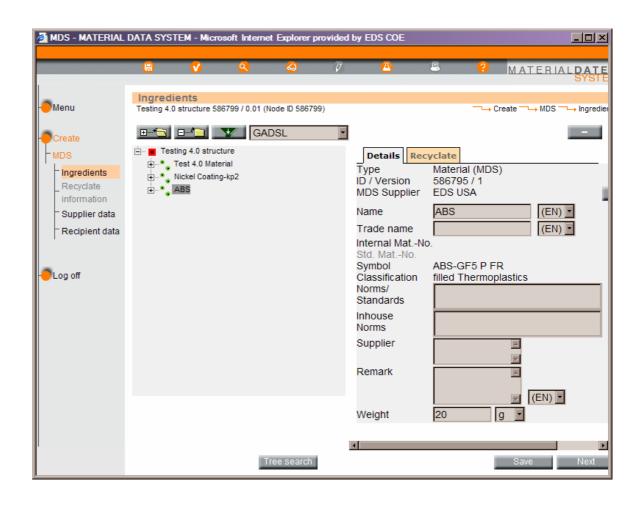


•••

Add the Material Requiring Recyclate Information



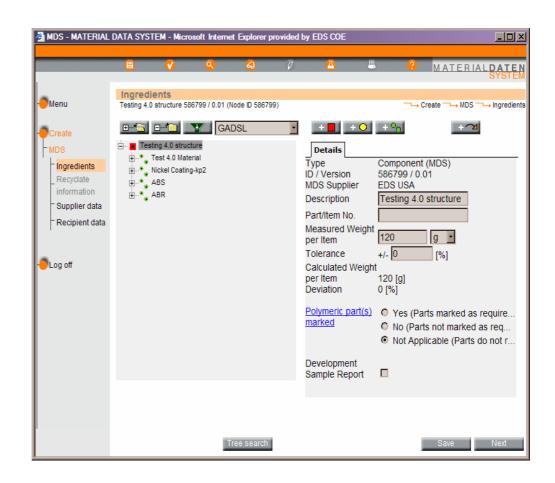
 Once again, you may have to answer the Recyclate question.





Top Level View

- I've added a 4th
 material so now my
 deviation is 0.
- The Tabs for Application and Recyclate appear ONLY on the materials.

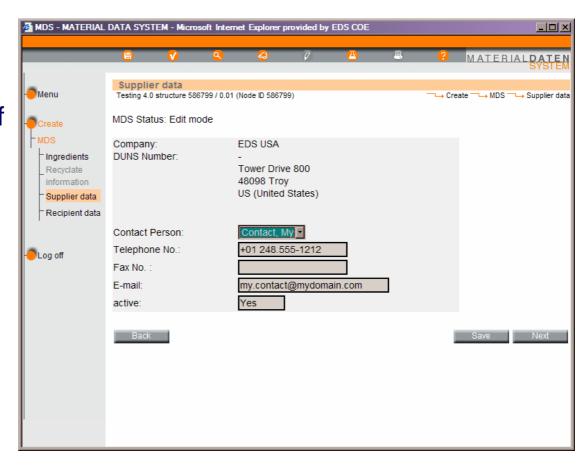






Supplier Data

- Select the Organization Unit if applicable
- Select the Contact Person
- Save
- Click on Next



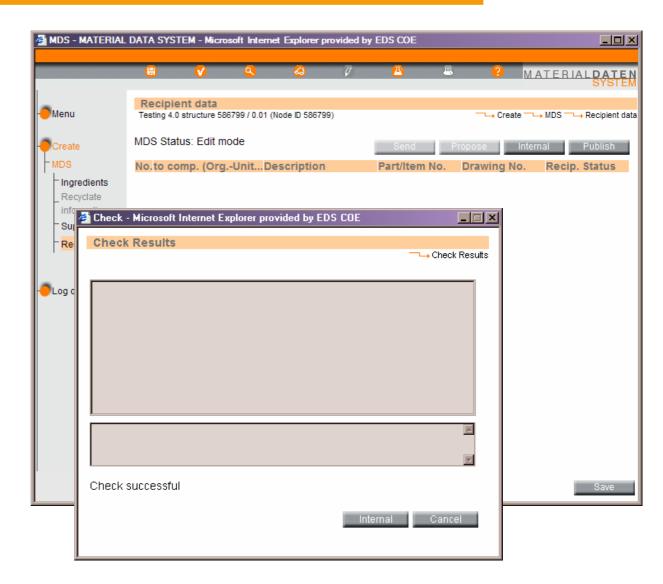




:: Internally Release Component



- Select Internal
- The check is successful
- Select Internal
- Select **OK**



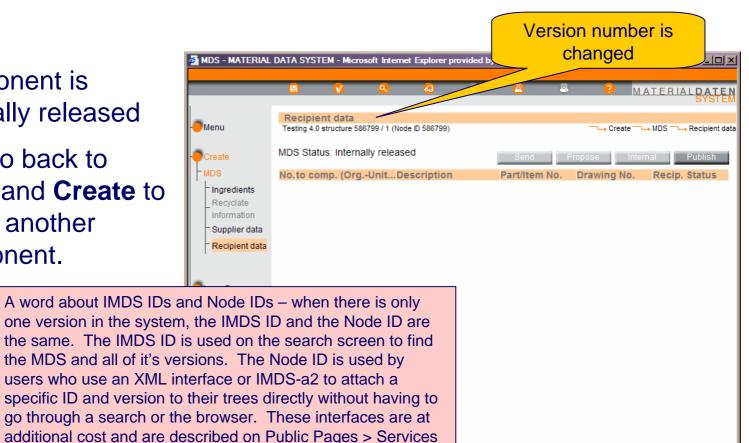




Component Released



- Component is internally released
- Now go back to Menu and Create to create another component.



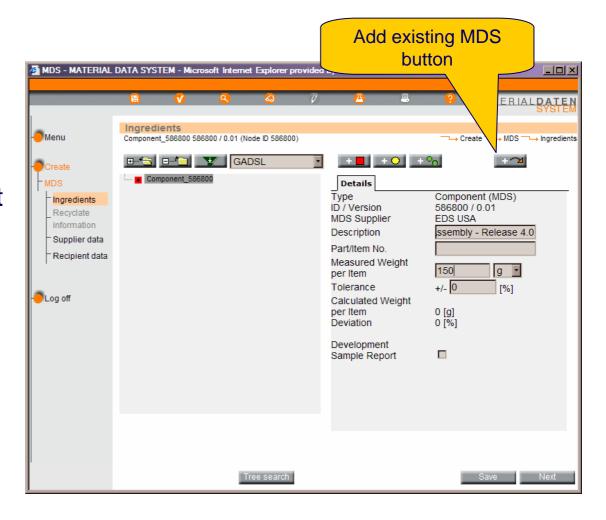




Assembly Component



- This is going to be an assembly of existing components
- Enter the total weight
- Click on the "Add existing MDS" button
- When the screen comes up, search on own







Attach First Component



- I've selected the one we've just created
- Select Apply

80 items No.	o Cap - all materials o Cap - all materials o Cap - all materials egh ffler Test ffler Test ffler Test titlevel Component Component stic Ring-kp cker Arm - Supplier B	KP-001 KP-001 KP-001 0V216ADC 0V216ADC 0V216ADC KP-12345-1 - D9842	ID / Version 50757 / 1.01 50757 / 3.01 50757 / 2.01 126849 / 0.01 135159 / 0.01 126833 / 0.01 557822 / 1 104039 / 1 104544 / 1 51785 / 0.01	EDS USA EDS USA EDS USA EDS USA EDS USA EDS USA
80 items No.	a found, displaying 47 to 69. Article Name Cap Cap - all materials Cap - all materials egh filer Test filer Test filer Test filer Component Component stic Ring-kp Cker Arm - Supplier B cker Arm - Supplier B	KP-001 KP-001 KP-001 0V216ADC 0V216ADC 0V216ADC KP-12345-1 - D9842 Supplier 124b	50757 / 1.01 50757 / 3.01 50757 / 2.01 126849 / 0.01 135159 / 0.01 126833 / 0.01 557822 / 1 104039 / 1 104544 / 1	Supplier EDS USA
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52 Muf 53 Mul 54 My 55 Plas 56 Roc 57 Roc 58 Spr 59 Tes	ffler Test Itilevel Component Component stic Ring-kp cker Arm - Supplier B cker Arm - Supplier B	0V216ADC KP-12345-1 - D9842 Supplier 124b	126833 / 0.01 557822 / 1 104039 / 1 104544 / 1	EDS USA EDS USA EDS USA EDS USA
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54 My 55 Plas 56 Roc 57 Roc 58 Spr 59 Tes	Component stic Ring-kp cker Arm - Supplier B cker Arm - Supplier B	D9842 Supplier 124b	104039 / 1 104544 / 1	EDS USA EDS USA
55 Plas 56 Roc 57 Roc 58 Spr 59 Tes	<u>stic Ring-kp</u> cker Arm - Supplier B cker Arm - Supplier B	Supplier 124b		
56 Roo 57 Roo 58 Spr 59 Tes	cker Arm - Supplier B cker Arm - Supplier B		51785 / 0.01	EDS USA
57 <u>Roo</u> 58 <u>Spr</u> 59 <u>Tes</u>	cker Arm - Supplier B			
58 <u>Spr</u> 59 <u>Tes</u>		SUDDIEL 124	51749 / 0.01	
59 <u>Tes</u>	IIIU LII DAIIIDIIEI - SUDDIIEI D	-	51763 / 0.01	
	st Analysis comp	_	75434 / 0.01	
50 test	t app ID, recyclate, marking	_	557821 / 0.01	EDS USA
	t component	_	492688 / 2	EDS USA
	t polyurethane pre release	_	542076 / 0.01	EDS USA
3 test	t semi-component attachment	_	542056 / 0.01	EDS USA
64 test	ting 3.0 - attaching pre-released requiring	KP-test recyc	542077 / 1	EDS USA
	sting 4.0 structure	-	586799 / 1	EDS USA
66 <u>Tes</u>	sting all of 3.0	KP-987286	541343 / 1	EDS USA
67 <u>Tes</u>	sting Legacy Data requiring App.	KP-99996	560316 / 1	EDS USA
		kp-app-	542074 / 0.01	
59 test	ting pre released - own requiring application	-	553599 / 0.01	EDS USA
Appl	y Preview		New Se	earch Cancel

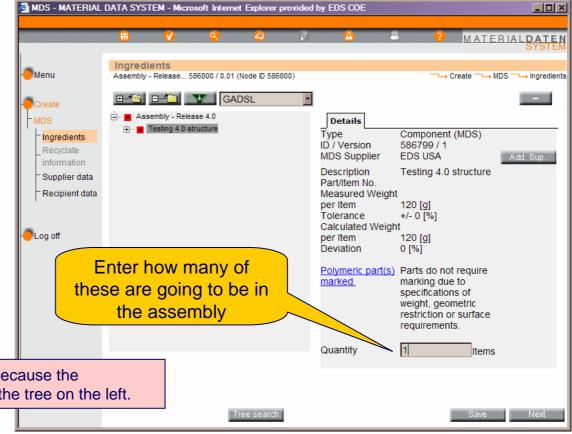




Assembly Updated



- Doesn't look like there's much to do beyond indicating how many of these are in the assembly
- To add another component, you must click on the top of the tree.



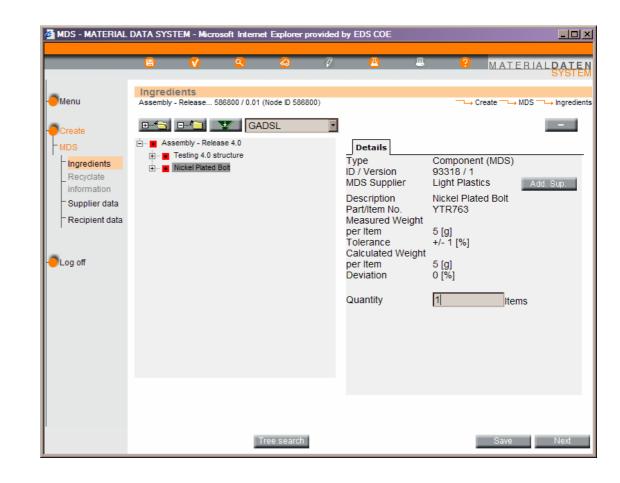
The system automatically does a Save because the component name is copied to the top of the tree on the left.





Adding Existing Component 2

The 2nd component is a Nickel Plated Bolt – Published by another company before Release 3.0 was incorporated

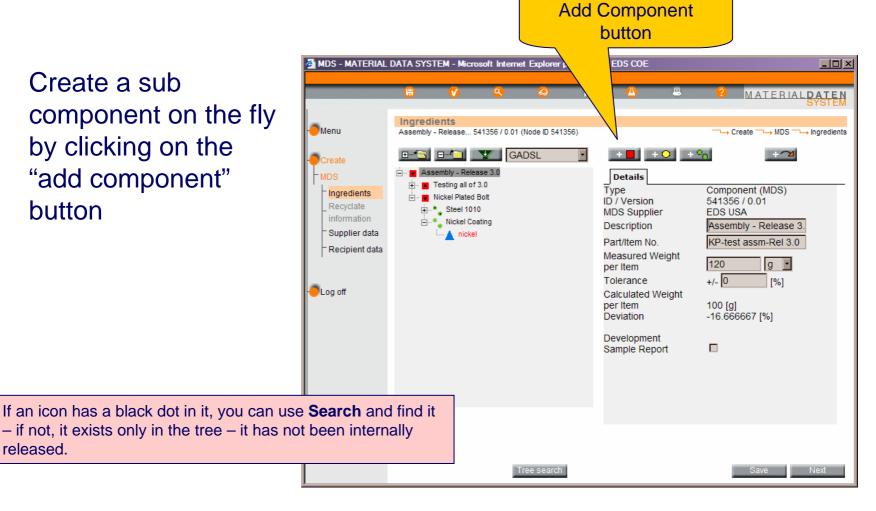






Add New Component

Create a sub component on the fly by clicking on the "add component" button



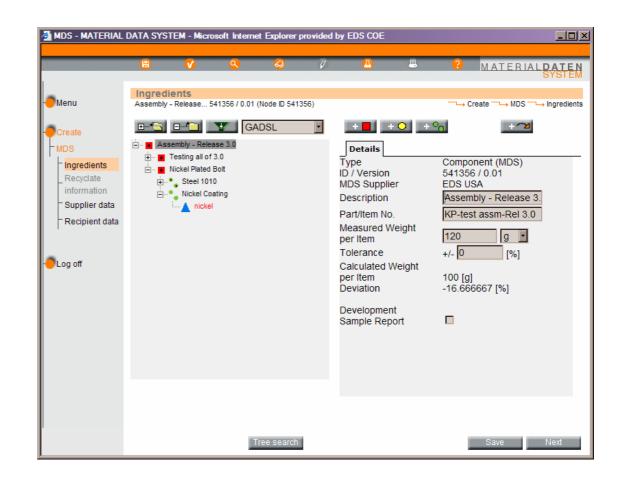


released.





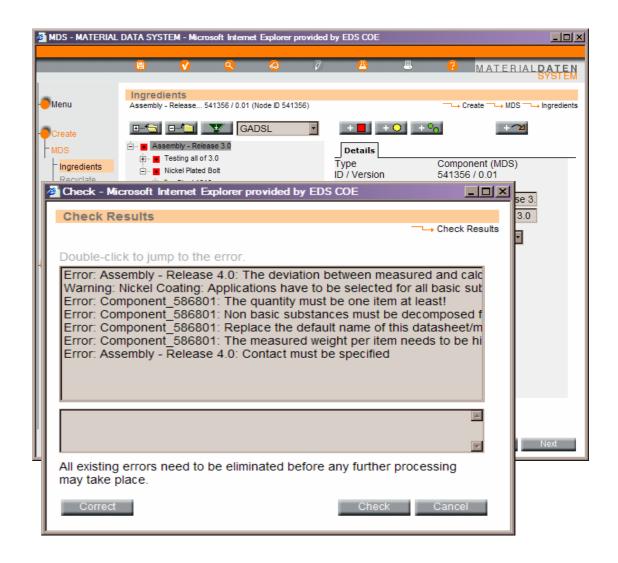
- Save
- Click on the ✓ icon







Lots of errors!



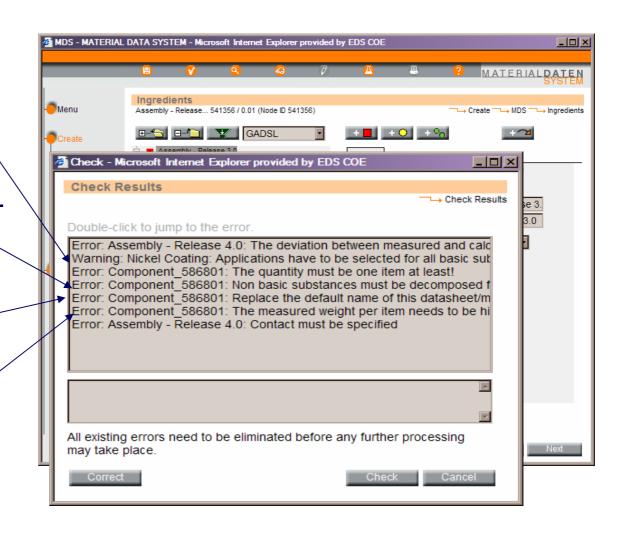




Component_586801 Errors



- Forgot to put a quantity in
- The component doesn't have anything under it need to attach a material
- Need to name component
- Forgot to put a weight
- I'll fix those and run the check again

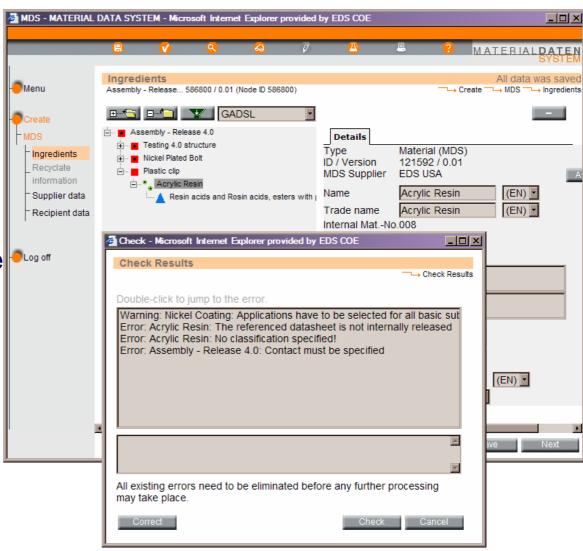






Less Errors

- Referenced datasheet is not internally released and the classification problem is also on the material cannot fix from here. Exit out, search out the datasheet, internally release it and come back to run the check again
- The Nickel application question is a warning only

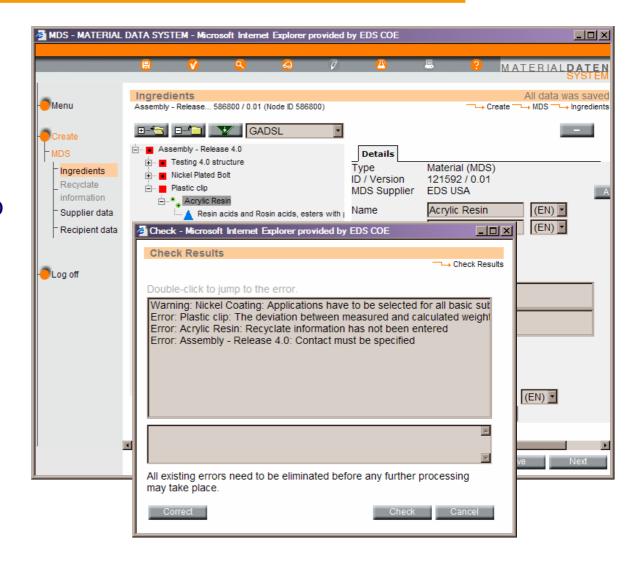






Weight Errors

- I've said the clip weighs
 5 gm but only supplied
 3 gm of material I
 need to fix
- Also, I picked something that I have to add recyclate information – that can be done from here
- In this case, change material weight to 5 gm and give the recyclate question an answer
- Save and ✓



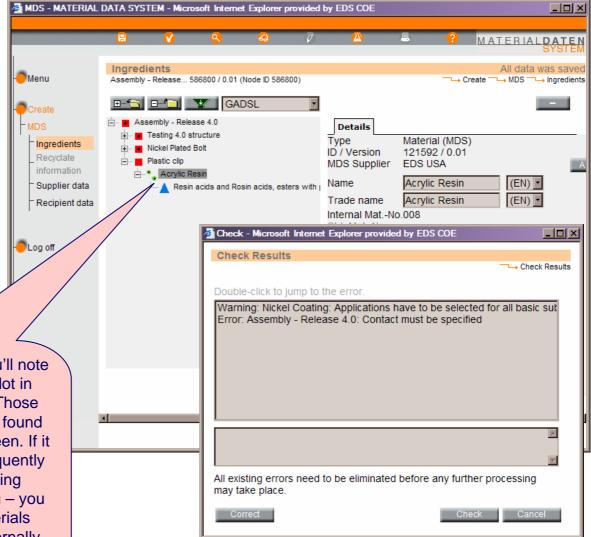




Weight Errors

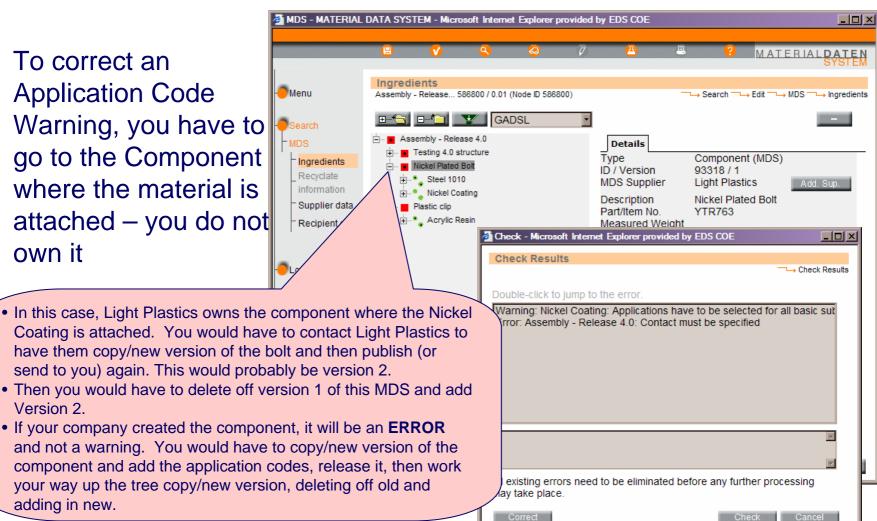
- Tree is fixed, the contact error is fixed on the supplier data screen
- Cancel and hit Next
- Supply the contact info,
 Save and Next

Before we leave this screen – you'll note that some of the icons have a dot in them and some of them don't. Those that have the dot in them can be found using the appropriate Search screen. If it doesn't, then you can't. This frequently happens when you are attaching something your supplier sent you – you would not have access to materials they've created and released internally.



Correcting Nickel Application Warning

To correct an **Application Code** Warning, you have to go to the Component where the material is attached – you do not own it





Version 2.

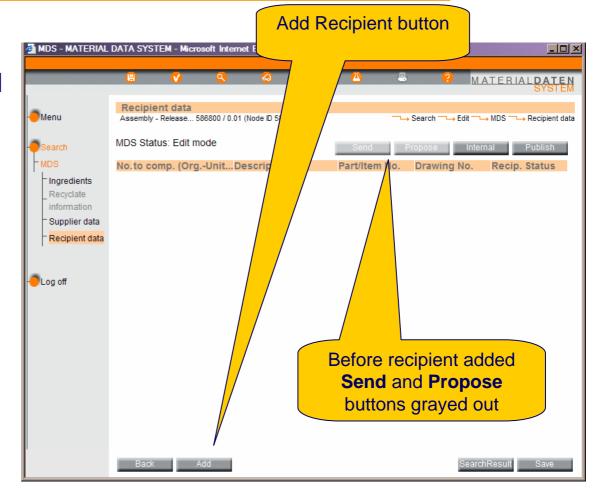
adding in new.



Search for a Recipient



Click on Add to find the recipient







Select the Recipient



 In this case, I'm selecting a dummy company - highlight and click Apply

Which one to select??? In this case the company I'm sending to has Organization Units. Theoretically, you should only have to send/propose to a company once because once accepted, it's available to all in the roof company. You can list a Company Name only once on the recipient list.

For example, the system will not allow you to put both KPTest (Level 1A) and KPTest (Level 4) as recipients.

Outside of the "roof" Org Unit (e.g.

Outside of the "roof" Org Unit (e.g. KPTest) only those users with the Org Unit attached to them can see what you send to an Org Unit.

	Company - Microse	oft Internet Explorer provided by E	DS COE			_		
	Company					<u></u>		
				→ Administra	ation → Company →	→ Search		
	Search Criteria:							
	Company Name:	Company Name: kptest		Company- / Org				
	OrgUnit:							
	zip code:		City:	City:				
	User Name:		User ID:					
					Search Car	ncel		
1	\				Search	ICCI		
	6 items found, showing all items.							
	No. Company Na 1 KPTest	ame OrgUnit KPTest	ID 4893	zip code -	City			
	2 KPTest	Level 1A	4894	48329	Waterford, MI			
	3 <u>KPTest</u> 4 <u>KPTest</u>	Level 1B Level 2	4895 4896	1bn32 69083	eiora My City, ZZ			
	5 <u>KPTest</u>	Level 3	4897	181wz	New City			
	6 <u>KPTest</u>	Level 4	4898	1WZ498	Dislkj			
	Apply	View			Ва	ack		
	<i></i>							
1	/							
L	4							



Enter Recipient Data

The Company Data window appears you need to enter recipient specific information - your customer's part number, description, supplier code and any other customer requested information

If your customer rejects the When done, click MDS and says it is not their 🎒 MDS - MATE EDS COE Change part number or you need to change the description, you ATEN must change it here as this is Menu their view cipient data oany data - Microsoft Internet Explorer provided by EDS MDS Status: Edit mode No.to comp. (Org.-Unit... Descr us: edit mode Ingredients 1 KPTest (Level 1A) [4... Assemb Recyclate Recipient KPTest (Level 1A) information Company-Supplier data Part/Item No. Description: Assembly - Release 4.0 Recipient data Drawing No.: Note: My Drawing dated: selection appears Drawing Change Level: here and the Org Report No .: Unit is in () Date of Report: (MM/DD) Purchase Order No. Bill of Delivery No. 12-345-6789 Supplier Code Reason for denial: Forwarding allowed: Supplier Code – Depends on how your customer refers to you - Some OEMs have special codes they I know, it looks like you can assign, others use DUNS Numbers, Please check the FAQ on type here, but you can't others use nothing at all Forwarding for information on this topic

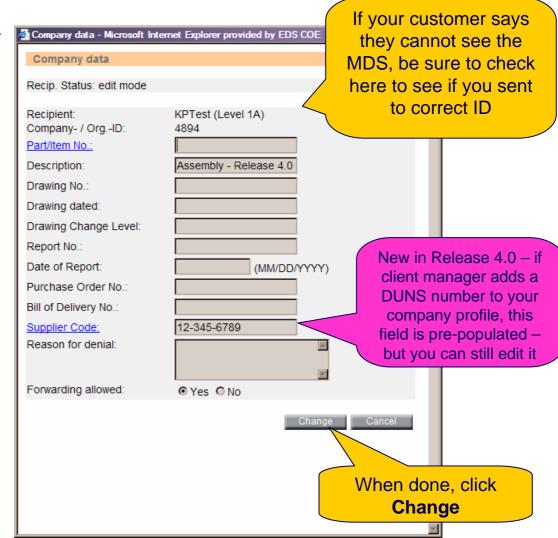




Recipient Data Decoded

- This page contains your CUSTOMER'S information and status of MDS
 - Part/Item No. your customer's number (system required)
 - Description how your customer commonly refers to the product (system required)
 - Drawing No. (system optional)
 - Drawing dated: (system optional)
 - Drawing Change Level: (system optional)
 - Report no. if you checked
 Development Sample Report, you
 should have an entry here (system
 optional)
 - Date of Report (system optional)
 - Purchase Order No. (system optional)
 - Bill of Delivery No. (system optional)
 - Supplier Code how customer refers to you (commonly DUNS) (required)

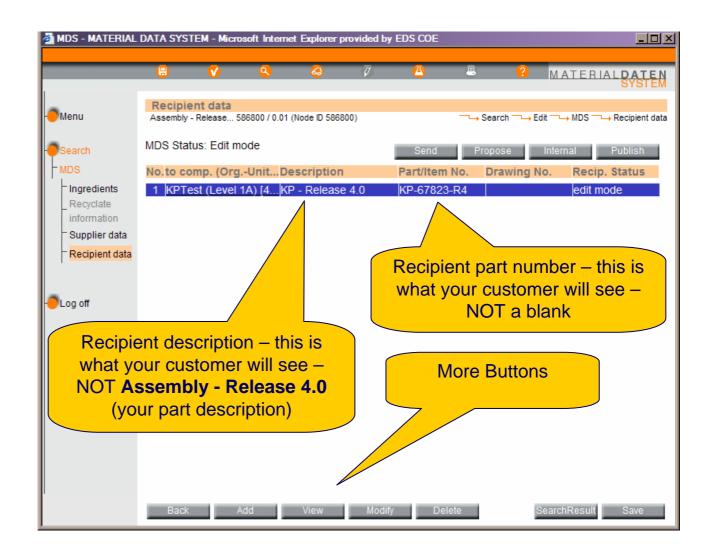
Note: certain OEMs have a slightly different Data page. Different customers have different data requirements on this page – be sure to check with them on what needs to be supplied.





Recipient Changes

 Note the changes







Send or Propose?

- Send you send this MDS ONLY to this customer – the version number will remain .0x until your customer accepts. It is in "handshake" mode and you can make edits anywhere (including the tree) until your customer accepts.
- Propose you make this part for several customers under different customer part numbers – the version number will go to the next whole number immediately and you can only change the company data information should your customer reject it.



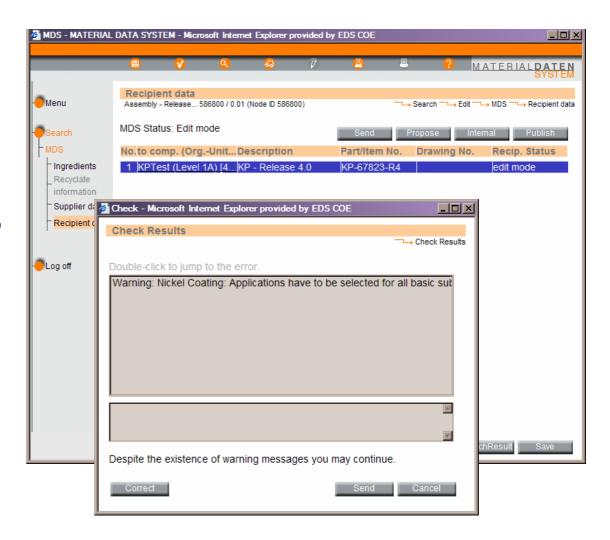






- Click Send
- Check is successful

 you can send with
 a warning some of
 the newer Warnings,
 you cannot correct
 without making a
 copy/new version
- Click Send and OK on message.

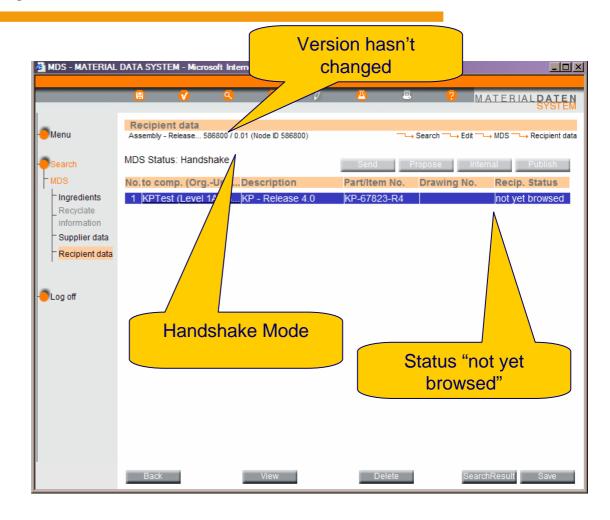








- Send is a 1-1
 relationship if your
 customer wants
 changes on the tree,
 it is still in edit mode
 and you can make
 changes.
- If you Propose, the version increases to a whole number and you can not make changes - though you can add more recipients







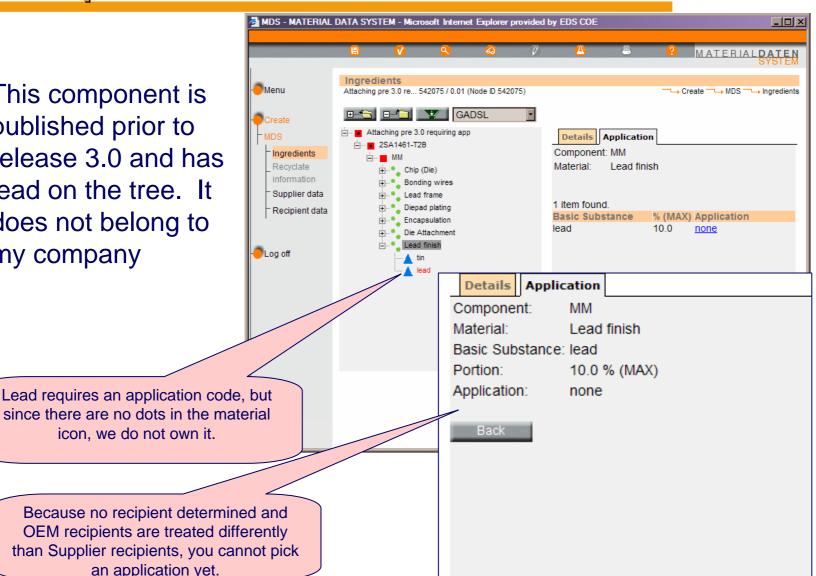
- Sending to an OEM is a little different if you are attaching MDSs released prior to 3.0. that require application codes
- When you run the check to the OEM, you cannot send without application codes which is a bit tricky if you're attaching a component with Lead, Mercury, Cadmium, Hexavalent Chromium, or Nickel that was released prior to Release 3.0 and may or may not be owned by you.
 - If the system can make a determination based on substance, weight, and material classification, or if there is a similar substance on a material with the same classification in the tree, it will set that
 - After an OEM is selected as a recipient, you can go to the material with the substance in question and select an application whether you own the material or not



Sending to an OEM – Attaching Component



This component is published prior to release 3.0 and has lead on the tree. It does not belong to my company



Because no recipient determined and OEM recipients are treated differently than Supplier recipients, you cannot pick an application yet.

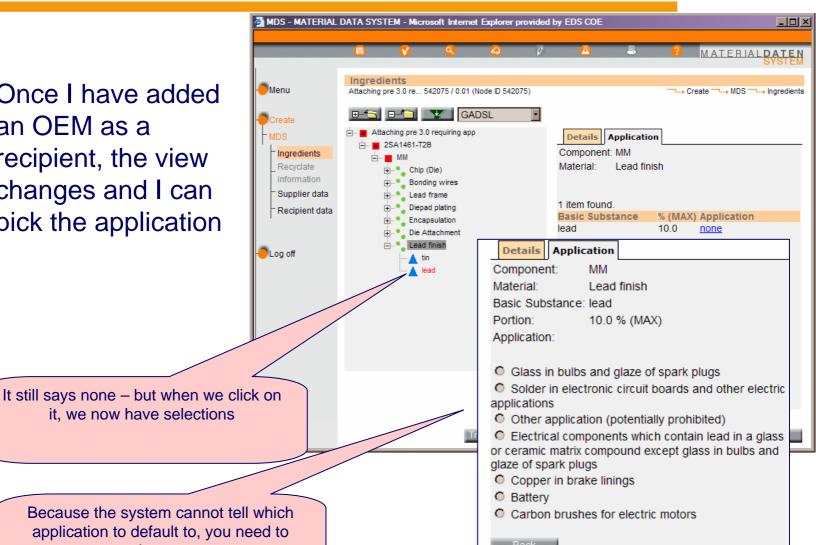
icon, we do not own it.





After Adding an OEM as a Recipient

Once I have added an OEM as a recipient, the view changes and I can pick the application



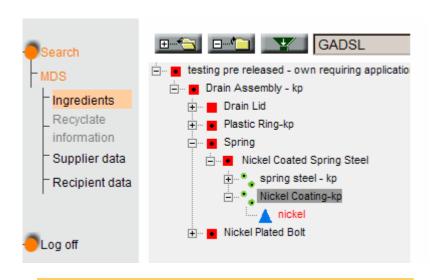
Because the system cannot tell which application to default to, you need to select one.

it, we now have selections





Fixing Application ERROR – Own Company Created Component



In the above case. I would have to:

- Copy/new version of the Nickel Coated **Spring steel** to add the applications and then release.
- Copy/new version of the **Spring**, delete off old version of Nickel Coated Spring Steel, add new version and internally release.
- Copy/new version of **Drain Assembly kp**, delete off old version of Spring and add new
- Delete off **Drain Assembly-kp** and add new version. Then I can send to customer.

- Copy/new version of the MDS the material is directly attached to and add the application codes.
- Internally release the MDS
- If the MDS is attached to another component, you must:
 - Copy/new version of that component/semi-component
 - Delete off component above and b. add new component
 - Either internally release or send to customer
 - If this is attached to another component, repeat step 3 until you have an MDS to send to customer

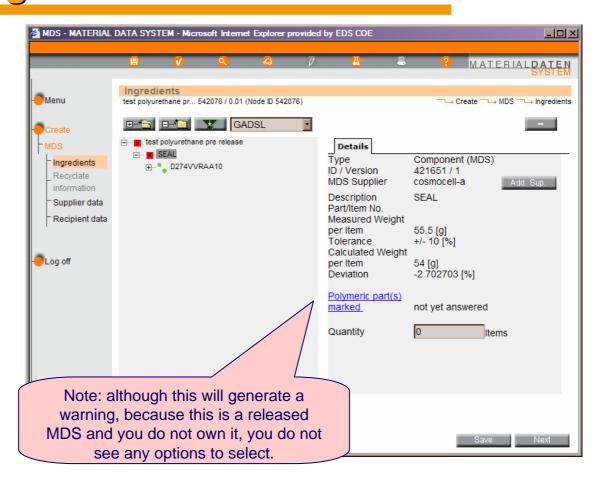




Sending an Attached MDS Requiring Parts Marking Question



 Whether sending to an OEM or sending to a supplier, you will get a WARNING when sending this MDS with an attached component that will require the Parts Marking question to be answered in 3.0. This is a WARNING and the MDS can still be sent – however, your customer may require you to resubmit and answer the question



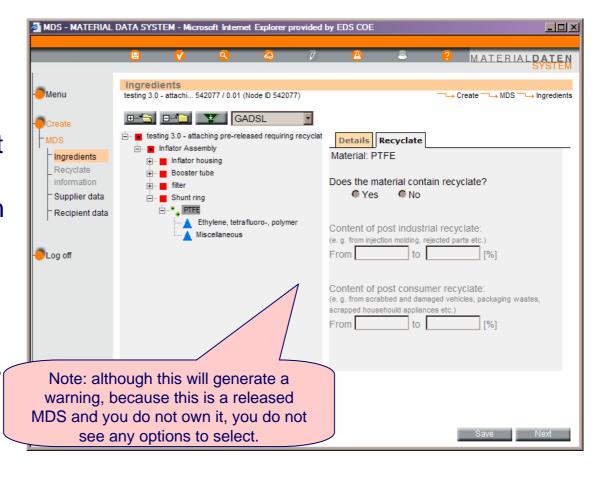




Sending an Attached MDS Requiring Recyclate Information



Whether sending to an OEM or sending to a supplier, you will get a WARNING when sending this MDS with an attached component that will requires Recyclate information to be answered in 3.0. This is a WARNING and the MDS can still be sent





MATERIAL BY TEM







Semicomponent ≠ Subcomponent

- Semicomponents are not discussed here because there are few good uses for them and they are often misused. A Semicomponent IS NOT the same as what is commonly referred to a subcomponent. If you use something in "one of", "two of", etc. you should be making components.
- Semicomponents can be use for a bolt of cloth, a wire wrap that is cut down, vinyl tubing that is cut from a roll, paint, etc. - something that is used by weight, length, or volume during processing
- Semicomponents can be made of materials and other semi-components.





In all of these examples, I've created MDSs - this is the default. Modules are much faster to create, but you cannot assign them to Organizational Units at this time.





- IMDS is a common system for data, but each OEM and many Tier 1's have their own acceptance criteria regarding:
 - Tree structure
 - Amount of miscellaneous material allowed
 - What goes on the company data screen
 - What has to be declared
- If a question arises, ask your customer what is required





Read the Public Pages

- Many questions can be answered from the Public Pages >
 FAQs. Chances are you are not the first person who has asked this question and the Level 2 helpdesk has placed common questions on the site.
- Familiarize yourself with changes in the system the login screen frequently has a message about a new release and a link to the release notes. You are expected to read them. At the moment the helpdesk is free of charge to users, as is IMDS itself. We simply do not have the resources at the helpdesk to respond answering the same question individually to 50,000 users.





System Performance

Users frequently complain about the system "being slow" - the system will never be as fast as something on the hard drive of your PC, as you are interfacing with an application in Europe (15-20 hops) on each click of the mouse.

After numerous investigations, the root cause is either: network bandwidth of the user's site, how the signal is routed to Europe or internet traffic. During the Iraq War, users consistently complained of slow down during the 11:30-1:00 timeframe - the number of users on the system was not at a peak but many company employees were netsurfing during lunch - not an IMDS problem – PLEASE USE THE SYSTEM TEST TO HELP YOUR IT DEPARTMENT TO ANALYZE THE PROBLEM – THIS IS OUTSIDE THE SCOPE OF THE IMDS HELPDESK

- To run a system test, use the properties button and follow the instructions
- If you have really bad connections, you may want to investigate purchasing the imds-a2 application – information can be found from the Services link on the Public Pages

