How to Fix Errors

Version: IMDS Release 10.0
About this FAQ

One of the most frequent calls to the IMDS Service Centers is on how to edit an existing MDS either to remove a warning/error or to update due to a customer rejection.

This Document will cover:

General Edit Rules

When problems can be fixed in the Tree

When edits must be fixed iteratively

Replace and Copy/Paste Functions

Copy/Copy vs. Copy/New Version
General Edit Rules

1. If your MDS version is a whole number you CANNOT make changes on the Ingredients page or Supplier Data page!

2. You can only copy/new version an MDS that your company created. We strongly suggest that you not copy data that was supplied by another company as your company will become responsible for data validity.

3. If the problem is on a released sub-node you must work your way up from the bottom of the tree – making copies of released nodes, fixing errors/warnings, releasing, going one level up, copying, deleting off old, adding in new, releasing, etc.

4. The system will not replace an old version of the data sheet with a new version. There is no global search and replace. You must manually edit and replace.

5. If the MDS is in “handshake” mode, you have to have your customer reject it before you can make any changes. Do not cancel by deleting the recipient. If you delete off the recipient, you will then have to copy/new version to make changes.
Fix in the Tree or in a Referenced MDS?

If the problem exists below an MDS node with a small symbol in it (globe for published MDSs, house for own MDSs, envelope for accepted MDSs), you must go to the released datasheet to make the correction.

For example, if I received a rejection for the name on the part referencing +Z100, as it is the incorrect plating, I can fix the name here in the tree, because this component was created in the tree and not referenced.

But if the issue is on the ABS which is below the component with the little envelope, I have to go to the released datasheet to replace that material, because it is a referenced datasheet.
Fix Error in a Tree
Replace Material in a Tree

Use Replace function. First, highlight the material and the Replace button will become available.

Then, select the replacing material and click Apply.
Result – Replacement Made

Once the replacement is made, the new name is displayed.

Notice, the weight remained the same.
Fix Problem on a Referenced MDS
The ABS material is under a referenced MDS, as indicated by the little house (own) next to the component icon. Therefore, we cannot complete a material replacement with ABS, as shown in the previous slides.

Notice, when the ABS material is highlighted, the Replace button is grayed out.

Replacement must be completed in the released datasheet and we must work from the bottom upwards.
View Error/Warning

Select the ABS material in the tree and then use the check icon to view the Error/Warning.

This example will be to eliminate the 10% unspecified warning on the ABS.

The same steps are used to correct a rejection for:

- no material number
- no norm/standard
- no material symbol
First, Fix the Material

Four substances are shown in the ABS material. The *Plasticizer, not to declare* and *Flame Retardant, not to declare* are Jokers. The portion for the Flame Retardant is Rest. It is never a good idea to put Rest on a joker. (For a complete explanation, see IMDS Information Pages > FAQ > IMDS Errors and Warnings > Why am I getting the 10% warning of undeclared substances?)

We’ll change the portion to a fixed 4% and click Save.

After correcting, add the Supplier Data.

Then internally release.
Second, Fix the Component

Go up to the *Example component* where the ABS material is attached.

Make a copy of the component (see upcoming slides on Clipboard function).

Replace the ABS material as described on an earlier slide (Replace, Select, Apply).

Then internally release.
Third, Replace Component in Part

Go up to the next component (part) where the “fixed” component is attached.

Replace the currently referenced with the fixed component.

Then internally release or send/provide to customer.

"old" Example component with the "wrong" ABS attached to it

Updated Example component with the updated ABS attached to it
Result – Tree Updated

No more warning for ABS is shown because we …

1. Fixed the Flame Retardant substance in the material
2. Fixed the component containing the ABS material
3. Replaced the component in the part

If customer rejects because of the Warning concerning the too large range of Nickel, proceed as described for ABS and the Example component.
Replace and Clipboard Functions
Replace Rules

Global replacements such as “replace all occurrences of arsenic in all own MDS by copper” are not available. The user must perform one-to-one replacements.

Requirements for using the Replace function:

Replace function can only be used in a tree structure of an MDS/module that can be edited or modified – version number is NOT a whole number and it is not in “handshake” mode.

The node to be replaced must have no other referenced nodes between it and the top of the tree (no icons with black dots).

The replaced node and the replacing node does not have to be released. Released nodes can be replaced by a non-released node and vice versa.

Replacements must be of same node type - component by component, semi-component by semi-component, material by material, substance by substance.
When to use the Replace Function

We can use the Replace Function in this example because:

Version not a whole number; therefore, not released

MDS not in “handshake” mode (must view Recipient data tab to check)

Can use Replace on all nodes:

Example component (own MDS)

Comp. with Semi-C.

Plating – created in the tree
Clipboard Function

The **Menu Functions > Clipboard** can be used to store the ID and name of a node for later use in the application. For this purpose, the Clipboard area is displayed in the right of the screen.

Clipboard use is only possible for nodes or tree structures found as a result of a search (icon has a reference symbol like a globe, house or envelope and is not created in the tree). The entire tree below such a node must be copied (no partial trees).

Nodes or tree structures can only be pasted into MDSs that can be edited (version number is not a whole number) and that are not in “handshake” mode (visible in the tab Recipient data).
Copy & Paste a Tree Node to the Clipboard

Should you want to make the same change in more than one datasheet, you might use the Clipboard function.

In this case, we’re going to use the newly created version of the Example component.

Highlight Example component and drag & drop into the Clipboard area.
Paste a Tree Node into another MDS

I’m going to paste the Example component onto the Assembly testing replace. Drag the MDS from the Clipboard onto the top node and it is added to the tree.
Multiple Updates to Replace an MDS
Let’s say we want to replace the ABS material that had a warning (see slide 11) everywhere it is used with a new version. 

First use the Where Used Analysis to find where the outdated ABS material is used.

Export this list for later use as a check list.
Updating for New Version – Find Where Used II

In large trees, you can use the tree search to find the MDS to be replaced.

In this case, we replaced the Example component, because we already created a new version with the updated ABS MDS (see slide 12).
Summary

A material issue must always be resolved on the material and not in any tree structure the material may be attached to.

If it is the same part number, use Copy/new version. If it is a change in part number, use Copy/Copy.

For more information about how IMDS works, please read IMDS Information Pages > FAQ > System Usage > What you should know about IMDS