

# DENSO IMDS creation manual for suppliers (Ver.3.00)

2025/12/05  
DENSO CORPORATION  
Engineering Development Promotion Division

## 1. Introduction

In this manual, there are the DENSO group company's requirements which should be necessary for IMDS creation/submission in addition to IMDS Recommendation.

If our Tier1 supplier need to inform their supplier (Tier2) about the requirements to improve the data quality, the Tier1 supplier can provide this document to their supplier (Tier2).

Tier1 supplier needs to comply with not only this document but also the "Suppliers Quality Assurance Manual(SQAM)" or any other DENSO CSRs.

[Note]

The "Additional Annex" which each DENSO group company can prepare and share as a regional detail requirement needs to be followed as well.

## 2. Scope

This document is applied with the IMDS / data communication of the following target.

Target company : Tier1 supplier of DENSO /DENSO group company(\*1)

Target product: The component / material which should be comply with DDS2004  
(If you receive any other special requirement from DENSO, follow it.)

## 3. Procedures of data communication

### (1)IMDS submission

The data communication procedures between DENSO and Tier1 supplier should be done according to the "Suppliers Quality Assurance Manual(SQAM)" or any other DENSO CSRs.

### (2)Contact person for IMDS request

Tier1 Supplier needs to inform us of the responsible person who deals with our IMDS request e-mail. (The update also should be informed timely.)

About the way of informing, consult with the DENSO group company.

## 4. The requirement about data creation/submission

About the data creation/submission, comply with the following requirements.

\*1 : The company which DENSO's capital contribution ratio is over 50%.

4-1. Transfer Information of recipient data

(1) In case of Component data type

Items	Contents
Description (DENSO Part Name)	Customer Description of request e-mail
Part No. (DENSO part No.)	Customer Part No of request e-mail (without hyphen)
Destination Org-ID	Organization ID of DENSO G company
Supplier code	Space (or Hyphen)
Forwarding allowed	Yes

Our request e-mail (In case of component type)

Sender: <XXXXX@denso.co.jp> →Our requestor's e-mail address  
 To : XXXXXXX@ SUPPLIER.co.jp →Your responsible person's e-mail address  
 Title: [Part no: 1234567890 Name: COMPUTER ASSY ]

Send to Org.-Unit      DENSO Corporation[206651] →Destination ID  
 MDS Type:              Component              →Data type  
 Due date:                2020/04/30              →Due date  
 Customer Part No      1234567890              →Part No.  
 Customer Description: COMPUTER ASSY →Part name

IMDS input screen

**Details**

**Transfer Information**

Company      DENSO Corporation [333]

Organisation unit      **DENSO CORPORATION [206651]**

Recip. Status

Supplier Code

Name      **COMPUTER ASSY**

Part/Item No.      **1234567890**

Legacy Spare Part

Transmission/Check Date

Forwarding allowed      Yes

4-1. Transfer Information of recipient data

(2)In case of material data type (for single material)

Items	Contents
Description (Material Name)	Input the material name according to IMDS Recommendation irrespective of "Customer Description" in our request. (Can not input the trade name)
Internal Mat No.	Customer Part No of request e-mail
Destination Org-ID	Organization ID of DENSO G company
Supplier code	Space (or Hyphen)
Forwarding allowed	Yes

Our request e-mail (In case of material data type)

Sender: <XXXXXX@denso.co.jp>  
 To : XXXXXXXX@ SUPPLIER.co.jp  
 Title: [Part no: 4X070255 Name: HAS-611 WHITE ]

Send to Org.-Unit: DENSO Corporation[206651] →Destination ID  
 MDS Type: Material →Data type  
 Due date: 2020/04/30 →Due date  
 Customer Part No 4X07006 →Internal Mat no  
 Customer Description: (Target material name, or trade name)

IMDS input screen

**Details**

**Transfer Information**

Company DENSO Corporation [333]

Organisation unit **DENSO CORPORATION [206651]**

Recip. Status

Supplier Code - (?)

Name **ink**

Internal Mat.-No. **4X07006** (?)

Transmission/Check Date

Forwarding allowed Yes

[Note]

When the "Customer Part No." item has multiple character strings (comma-delimited) in our request e-mail, you need to input all strings in "Internal Mat No" item of your IMDS. Do not copy the "Customer Description" contents into "Name". The "Name" should be considered according to IMDS Recommendation.

**4-1. Transfer Information of recipient data**

(3)In case of Semi Component data type (for multiple material)

Items	Contents
Name	Customer Description of request e-mail
Internal Mat No.	Customer Part No of request e-mail
Destination Org-ID	Organization ID of DENSO G company
Supplier code	Space (or Hyphen)
Forwarding allowed	Yes

Our request e-mail (In case of Semi component data type)

```

Sender: <XXXXX@denso.co.jp>
To : XXXXXXX@ SUPPLIER.co.jp
Title: [Part no: 71135XXXXX, SVGUS3U Name: TUBE, VARNISH ]

Send to Org.-Unit:    DENSO Corporation[206651] →Destination ID
MDS Type:            Semi Component →Data type
Due date:            2020/04/30 →Due date
•Customer Part No    71135XXXXX, SVGUS3U →Internal Mat No.
•Customer Description: TUBE, VARNISH →Name
    
```

IMDS input screen

**Details**

**Transfer Information**

Company DENSO Corporation[333]

Organisation unit **DENSO Corporation[206651]**

Recip. Status

Supplier Code

Name **TUBE, VARNISH**

Item- /Mat.-No. **71135XXXXX, SVGUS3U**

Legacy Spare Part

Transmission/Check Date

Forwarding allowed Yes

[Note]

When the “Customer Part No.” item has multiple character strings (comma-delimited) in our request e-mail, you need to input all strings in “Item-/Mat No” item of your IMDS.

## 4-2 Data quality check

Before submitting your MDS, make sure to confirm the data quality based on the following check list. We recommend that you should manage & keep the check result per submitted MDS.

### (1) Check list for H risk (related SoC law violation)

item No.	Item	Points to check	Applicable rules, etc.	How to check data (example)	DENSO Reject code
H-1	Wildcard	The total wildcard must not exceed 10%.	IMDS Recommendation 001 Rule 4.5.3.E, Rule 4.5.3.A	Use the IMDS error checking function to check for warnings. Warning message: More than 10% not specified substances. ("Not specified" are wild card or confidential substances).	DN005
H-2	Application Code [APC] (Application ID)	< Confirm that the APC indicates the correct intended use> Ensure that the intended use at the product matches the application indicated by the APC.  * If you do not have an APC that corresponds to your intended use, please contact our person in charge immediately.	IMDS Recommendation 001 Rule 4.4.5.B	(1) On the tree in "Ingredients", identify the place where APC has been entered. Example: Open the tree in IMDS and check it, or output a pdf file and check (2) Check whether the application indicated by APC matches the application in the corresponding product.	DN014
		<Confirm whether the exemptions in the EU-ELV are within the scope of application> Confirm whether the APC complies with the EU- ELV exemption criteria (substance, content percentage, and exemption period).  * If it is not within the scope of application, please contact our person in charge immediately.	IMDS Recommendation 001 Rule 4.4.5.A	Use the method described in (1) above to identify the place where APC has been entered. Confirm the EU-ELV exemption list. *The exemptions from the EU-ELV are available in DDS2004.  If the APC used in the product is an APC for an application that is only for a spare parts for old type vehicles, confirm whether the product is a part for old type vehicles.	
		< Confirm that APCs prohibited by DENSO > Do not use APCs prohibited by DENSO.  * If you include APC that is prohibited by DENSO, please contact our person in charge immediately.	DENSO IMDS Creation Manual 5.Common Mistakes	How to check by focusing on individual APCs (for APC:20) 1. Display "Ingredients". 2. Click the magnifying glass icon "Tree search" 3. Select "Application Code" in the Type field 4. A magnifying glass icon will appear just below, click on it. 5. Enter APC (20) and click "Search" When the search results are displayed, press "Apply". 6. After APC is set in the tree search window, press "Search" * Check APCs that are prohibited in reports to DENSO other than APC:20.	

"reject code" :refer to 4-3 chapter

4-2 Data quality check

item No.	Item	Points to check	Applicable rules, etc.	How to check data (example)	DENSO Reject code
H-3	Process Chemicals	Substances in solvents and other materials that are vaporized and not contained in the product must not be described in the data.	IMDS Recommendation 001 Rule 4.4.1.B	<p>Check that the MDS, which you create as well as you receive from upstream suppliers, shows the final state of the delivered products.</p> <p>&lt;Reference&gt; By switching the Filter function from the default "GADSL" to "Process Chemicals" on the Ingredients screen, substances registered in the Process chemicals group in IMDS are displayed in red on the tree.</p> <p>Even if it is not displayed in red by this function, substances that are not contained in the final products fall under the category of process chemicals and must not be listed in the MDS.</p>	DN011
		When a resin material undergoes a chemical reaction, reported data must represent the material in its final post-reaction state.	IMDS Recommendation 001 Rule 4.4.1.C	<p>Make sure to carefully check that the composition of the finished resin is not mistakenly left the same as the composition of the raw materials before the reaction. Also, make sure that the data that you receive from the upstream supplier is indicative of the final state.</p> <p>&lt;Reference&gt; By switching the Filter function from the default "GADSL" to "Process Chemicals" on the Ingredients screen, substances registered in the Process chemicals group in IMDS are displayed in red on the tree.</p> <p>Substances that are not registered in the IMDS Process chemicals group are not displayed in red. However, because substances that are not contained in the final products fall under the category of process chemicals, these substances must not be listed in the MDS.</p>	

4-2 Data quality check

item No.	Item	Points to check	Applicable rules, etc.	How to check data (example)	DENSO Reject code
H-4	Prohibited Substances	<p>Ensure that substances prohibited under "DDS2004: Restrictions on the use of substances of environmental concern as materials or product components" are not contained.</p> <p>* If any of the above substances are contained, please contact us immediately.</p>	<p>DENSO Standards DDS2004 "Restrictions on the use of substances of environmental concern as materials or product components"</p>	<p><u>How to check for substances classified as (P) under GADSL</u>                      &lt;Method 1&gt; Substances in the In the Ingredients screen ("GADSL" in the default setting of the Filter function), the substances in the classified (P and D/P) are displayed in red. Check where there are any substances in classification (P) in this.</p> <p>&lt; Method 2&gt;                      Output a pdf file and check where there are any substances classified (P) in the second column from the right.</p> <p><u>How to check for substances prohibited in Appendix table 2 of the DDS2004</u>                      &lt;Method 1&gt;                      Export the PDF file and check the second column from the left labeled "CAS No.". And check whether any of the CAS numbers listed in Appendix table 2 of DDS2004 are not included.</p> <p>&lt; Method 2&gt;                      How to specify the CAS No. on the tree and check the substance                      1. Display "Ingredients".                      2. Click the magnifying glass icon "Tree search"                      3. Select "Part/Item No., Material No., CAS No." in the Type field                      4. Enter the value of the CAS No. and click "Search"</p>	DN015
H-5	Polymeric Parts Marking	<p>Ensure that no parts have "No" selected for Polymeric Parts Marking.</p> <p>* "No" is an option only when there is no parts marking on the part (actual product) even though there is an indication of a parts marking on the drawing.</p>	<p>IMDS Recommendation 001 Rule 4.2.3.A</p> <p>IMDS User Manual Section 3.3.11 Polymeric Parts Marking</p>	<p>Output the PDF file to check. The contents of Polymeric Parts Marking are displayed in the first column from the right. Check that "No" is not displayed.</p>	DN008
		<p>Ensure that Polymeric Part Marking is selected according to the actual condition of the product.</p>		<p>Review the design drawing and the actual physical part. Select "Yes" if the physical part is marked, or "Not Applicable" if marking is not possible due to weight, dimensions, or surface conditions.</p>	
H-6	Omission to declare (parts, materials, substances)	<p>The data corresponding to the part described in the drawing must be listed. Materials and substances must be listed without omissions.</p>	<p>As for the mass IMDS Recommendation 001 Rule 4.2.2.A</p>	<p>Compare with the actual parts and drawings to check whether the child parts are missing.</p>	DN017 DN018

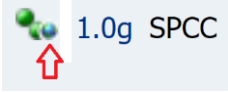
As any data shortage or substance mistake can not be detected by IMDS check logic, especially make sure to your MDS by strict view check before submitting.

4-2 Data quality check

(2) Check list for M risk (other violation)

item No.	Item	Points to check	Applicable rules, etc.	How to check data (example)	DENSO Reject code
M-1	Part Number	When entering the DENSO part number on the Recipient data screen, DENSO part number must be 10 numeric digits or 2 alphabetic characters followed by 10 numeric digits only. Additionally, there should be no hyphens or spaces.	DENSO IMDS Creation Manual 4-1. Transfer information of recipient data	Check that DENSO part number must be 10 numeric digits or 2 alphabetic characters followed by 10 numeric digits (totaling 12 characters) in the part number column of the Recipient data screen.  Check that there are no hyphens or spaces in the DENSO part number in the part number column of the Recipient data screen.	DN001
		Regarding the DENSO part number entered on the Recipient data screen, the part number must not contain a MINOR engineering change symbol.	DENSO IMDS Creation Manual 4-1. Transfer information of recipient data	Check that there is no MINOR engineering change symbol in the DENSO part number in the part number column of the Recipient data screen.	
M-2	Part Name	Regarding the part name entered on the Recipient data screen, ensure that the name of the DENSO part name has been entered.	DENSO IMDS Creation Manual 4-1. Transfer information of recipient data	Check that the part name entered on the Recipient data screen is entered according to the DENSO part name described in the request e-mail, drawings, etc. Also check whether the presence or absence of spaces matches what is described in the request e-mail and drawings.	DN002
M-3	Part Structure (BOM)	Ensure that any changes in part structure and others resulting from engineering change are properly reflected.	IMDS recommendation 001 Rule 3.2.1.B, Rule 3.2.1.C	Check whether the data reflects changes in part structure or mass due to engineering changes.	DN018
M-4	Parts (mass, etc.)	Ensure that the maximum deviation of the mass is within the value defined by IMDS.	IMDS Recommendation 001 Rule 4.2.2.C, Rule 4.2.4.B	Use the IMDS checking function to check for warnings. Example warning message: "Deviation must not exceed 10% for components with a weight of ≥ 1g and <100g"	DN013
		If the mass is stated in the drawing, ensure that the mass of the part must be within the mass tolerance range of drawing. (Especially for ASSY drawings)	-	Compare the mass values in the IMDS data with the mass values in the drawing. If there are any differences, check for missing materials and parts.	DN026
		If the mass is not stated in the drawing, ensure that there is no significant difference between the measured mass of the part and the mass in the IMDS data.	IMDS Recommendation 001 Rule 4.2.2.A	Check whether there are any significant differences from the mass of the actual product. If there are any differences, check for missing materials and parts.	

4-2 Data quality check

item No.	Item	Points to check	Applicable rules, etc.	How to check data (example)	DENSO Reject code
M-5	Material Name, Material Symbol	A trade name is not written in the material name field.	IMDS Recommendation 001 Rule 4.4.2.B	Check that a trade name is not written in the material name field.	DN021
		Ensure that the filler symbol is properly written.	IMDS Recommendation 001a See Section 1.3, Classification Code 5.1.a in the Material Classification Table.	Check that the filler symbol, which indicates the filler in the material composition, is written according to the definition in ISO1043-2.	DN025
M-6	Material Classification, Material Norms/Standards	Ensure that material classification is appropriate.	IMDS Recommendation 001 Rule 4.4.2.G IMDS Recommendation 001a	Check that material classification is written properly in accordance with "IMDS Recommendation 001a 1.2 Flowchart for selecting material classifications, 1.3 Material classification table".	DN010
		For metallic materials (material classification 1 ~ 4), if there is an public standard (JIS, etc.), Material MDSs published by the IMDS Steering Committee be used. Even if a Material MDS published by the IMDS Steering Committee is not prepared, if it fall under the category of public standards, the public standard must be written in the Norms/Standards column.	IMDS Recommendation 001 4.4.1.1. Material MDSs Published by the IMDS Steering Committee  Rule 4.4.2.H, Rule 4.4.2.I	<p>How to check whether a material defined in a public standard is a material MDS published by the IMDS Steering Committee.</p> <p>When a material MDS published by the IMDS Steering Committee is referenced in a component, check whether the icon on the tree, which is a feature of public data, is marked with a blue circle and whether the registered company is one of the following:</p>  <p>IMDS-Committee (Company ID: 423) IMDS-Committee/ILI Metals (Company ID: 18986) Stahl und Eisen Liste (Company ID: 313)</p> <p>In addition, regarding public standard materials for which IMDS does not prepare material MDS published by the IMDS Steering Committee, check the public standards and check that it is entered with the defined substances.</p> <p>Please refer to section 4-3. (3-3) for explanation of public standards. <a href="#">How to check data on public standard materials (JIS materials, etc.)</a></p>	DN022

4-2 Data quality check

item No.	Item	Points to check	Applicable rules, etc.	How to check data (example)	DENSO Reject code
M-7	Materials (mass, etc.)	Material data must be reported separately for each homogeneous material.	IMDS Recommendation 001 Rule 4.4.1.D	Check that all homogeneous materials are reported as separate materials.  <Example 1> Check whether the surface treatment such as plating is reported separately from the base material. Additionally, if the base treatment is used for the plating treatment, check that it is written in for each homogeneous material (base treatment and plating treatment) which is separated. <Example 2> In cases such as a "sintered oil-impregnated bearing," where lubricating oil (liquid) is present within the porous body (solid) of sintered metal, check that the metal part and the lubricating oil part are written as separate materials.	DN029
		Ensure that changes in contained substances and mass resulting from engineering changes, material changes, and process changes are properly reflected.	IMDS Recommendation 001 Rule 3.2.1.B, Rule 3.2.1.C Rule 4.2.2.A, Rule 4.5.1.A	Check whether changes in the contained substances and mass are reflected in the data.	-
M-8	Recyclate	For materials classified as 5.X, ensure that the recycling rate is written in accordance with IMDS Recommendation 025 if recycled material is included.	IMDS Recommendation 025 Rule 4.4.A, Rule 4.4.B, Rule 4.4.C, Rule 4.4.D	Check whether error messages are present and verify whether the recyclate information has not been answered by using the IMDS checking function.	DN020
M-9	Substances (portion/percentage, etc.)	Ensure that the range of substance portion (percentage) is within the range of IMDS recommendation.	IMDS Recommendation 001 Rule 4.5.4.A, Rule 4.5.4.B	Check whether any warnings are present by using the IMDS checking function.  <Warning message> Range of portion may not exceed allowed percentage.	DN003

4-2 Data quality check

item No.	Item	Points to check	Applicable rules, etc.	How to check data (example)	DENSO Reject code
M-10	Other	Ensure that substances removed from the IMDS Basic Substance List are not used in MDS.  (Basic Substance List: Chemical substance input options available in IMDS)	IMDS FAQ> Basic Substances > What happens if deleted MDSs/Basic Substances are contained in an MDS?  <a href="https://public.mdsystem.com/ja/web/imds-public-pages/faq">https://public.mdsystem.com/ja/web/imds-public-pages/faq</a>	Check whether any errors or warnings are present by using the IMDS checking function.  <Error message> The material contains deactivated substances. <Warning message> The substance has been deactivated, while references in previously created modules/MDSs are still valid and can be sent.  * Even in the case of a warning, it will be rejected by our customer, therefore please correct it.	DN006
		Ensure that the "Forwarding allowed" on the the recipient data screen is set to "Yes (forwardable)".	DENSO IMDS Creation Manual 4-1. Transfer Information of recipient data	Check that the "Forwarding allowed" on the the recipient data screen is set to "Yes (forwardable)".	-
		Ensure that the checkbox for "Preliminary MDS" is not checked.	DENSO IMDS Creation Manual 4-3. Note	Check the warning message before submitting to DENSO. Note that the warning message is displayed on the Ingredients screen and is not displayed in the list of error check results.	DN016
		Ensure that "Supplier code" filled on the "Recipient data" screen is - (hyphen) or blank.	DENSO IMDS Creation Manual 4-1. Transfer Information of recipient data	Check that "Supplier code" filed on the "Recipient data" screen is - (hyphen) or blank.	-

4-2 Data quality check

(3) Other issues

(3-1) "hidden" substance existence

If the MDS has any hidden substance and there is replacement substance in IMDS, replace it to the valid substance.

In case of no replacement substance,

- insert the substance into the wild card (under 10%)
- apply for a new substance to IMDS and use it in your MDS.

**Search Basic Substance Changes**      **Details**

**Basic Substance** **Node ID 537505138**

CAS No. 67701-38-6    GADSL Category    REACH-SVHC No ?

EU-Index                      duty-to-declare    Yes                      Status    hidden

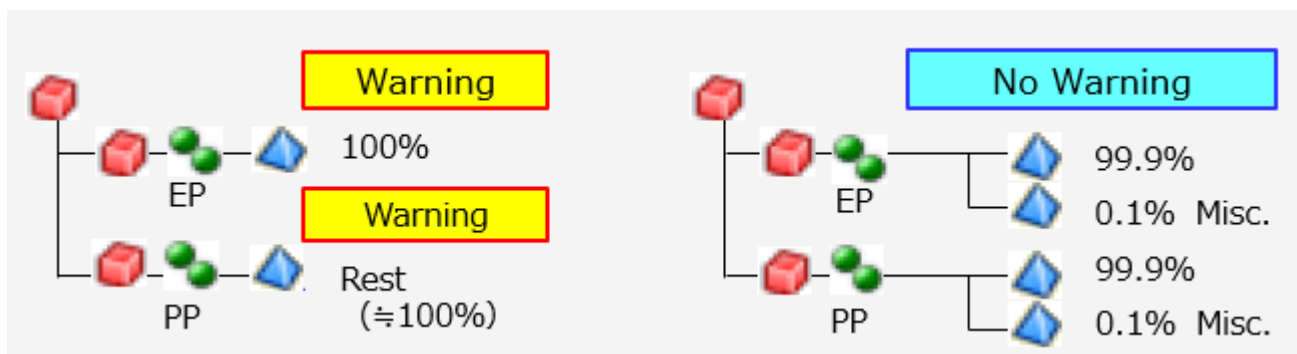
EINECS/ELINCS No. 228-587-0                      prohibited    Yes

▼ **Replacement suggestions**

No.	Name	CAS No.	EU-Index	EINECS No.	Node ID	Synonym
1	C.I. Disperse Yellow 7 (7CI,8CI)	6300-37-4	-	228-587-0	483125501	4-((p-(Phenylazo)phenyl)azo)-o-cresol

(3-2) One substance for polymer material

If there is any substance except the polymer, it should be described in your MDS. If you use the wildcard, confirm that it is not "GADSL" substance. If the material MDS of VDA 5.x/6.x is described as one substance (Portion 100%), check the contents again and describe the correct substance without shortage.



If there is no additive/ reaction residue (the basic ingredient is polymerized completely), the warning of "polymer 100%" is no problem. When we ask you about the warning, inform us of it. (Not needed to correct it)

**4-2 Data quality check**

(3-3) How to confirm data on public standard materials (JIS materials, etc.)

In IMDS, materials defined by public standards (such as JIS materials) are registered as material MDSs published by the IMDS Steering Committee. If public standard materials are used in the delivered product, please select material MDSs published by the IMDS Steering Committee. (This will exempt the material from error checks.)

< How to confirm the material MDSs published by the IMDS Steering Committee >

**STEP 1) Identification of material Norms/Standards**

Confirm the standard number and material symbol based on information such as specifications, drawings, and public standard (ex. JIS).

Here, the stainless-steel bar is shown as example.

JIS Standard Number : JISG4303  
 Material Symbol : SUS316N

**STEP 2) Confirmation of registration status in IMDS**

Please search for the material in the order shown in the figure below.  
 <Note>

In IMDS, materials are managed by assigning a Module ID and Version. Due to updates to public standards or corrections of written errors, new versions of material data may be registered. If the material MDS published by the IMDS Steering Committee with different versions are registered, please report to DENSO using the latest version. (Note that version upgrades may occur on the IMDS side.)

1) Click

2) Input

3) Select and Input

4) Check

5) Click

6) The relevant materials will be displayed.

Type	Name	Symbol	Trade name	Std. Mat.-No.	Internal Mat.-No.	ID / Version	Supplier	Received req. requests	Date of first request
	SUS316N (Stainless steel)	-	-	SUS316N	-	11896411 / 7	IMDS-Committee / ILI Metals	-	-

7) Double-click the row

Detailed information will be displayed.

Company	Norm	Norm Code
-	JIS	G4303 (2012)
-	JIS	G4304 (2012)
-	JIS	G4305 (2012)

**4-3 IMDS rejection treatment**

(1) Reject code

We inform suppliers of “reject reason” of IMDS by using the following “reject code” .

[note] The update of reject code depends on the update about law/OEM’s standard.

reject Code	Error message for supplier’s MDS	Description (what is the problem?)	Check point
DN001	Incorrect DENSO part number	Recipient customer P/N is not correct DENSO P/N.	Check if the part number is 10 or 12 digits based on the drawing without any “hyphen” or “space”. 10 digits: only number 12 digits: first 2 digits (alphabets) & 10 digits (number)
DN002	Incorrect DENSO part name.	Recipient customer part name is not same as the part name of the drawing.	Check if the part name is same as the name of the drawing.
DN003	Inappropriate substance portion range	The substance portion range is inappropriate. (over range)	Check if the substance portion is satisfactory to IMDS recommendation 001 4.5.4 A and B
DN004	Mixed data type at same level	A different data type of child node is existing under one parent node.	Check if the tree structure is satisfactory to IMDS recommendation 001 4.1.A.(Same data type of child node under one parent node.)
<b>DN005</b>	<b>Wildcard exceeds 10% [High-risk]</b>	Sum of the portion of Wildcard (CAS No is “system”) under a material is over 10%,	Check if the substance portion is satisfactory to IMDS recommendation 001 4.5.3.E & 4.5.3.A
DN006	Deleted/Hidden substance existence	Your MDS has Deleted/Hidden substance.	Check if your MDS has any Deleted or hidden substance. Replace it to the activated one.
DN007	Deactivated data existence	Your MDS has Deactivated data.	Check if your MDS has any deactivated material/ semi-component/ component data. Replace it to the activated one.
<b>DN008</b>	<b>Incorrect polymeric parts marking info [High-risk]</b>	The parts marking info about plastic (over 100g) or rubber (over 200g) is shortage.	Check if the polymeric parts marking info is satisfactory to IMDS recommendation 001 4.2.3.A. Input parts marking info.
DN009	Inappropriate basic substance portion for classification	The basic substance portion is inappropriate for the classification.	Check if the compound substances for the classification is satisfactory to IMDS recommendation Rule 4.4.2.G.
DN010	Inappropriate material classification	The Classification choice is incorrect for the material.	Check if the classification selection is correct for the material.
<b>DN011</b>	<b>Process chemical error [High-risk]</b>	The portion of process chemical or residue substance is not the final state.	Check if the Process chemical/Residue substance portion is the final state. Check if the material does not have any liquid or gas. Set the chemical presence type correctly (Intended Use/Reaction Residue/Impurity) (Be satisfactory to IMDS recommendation 001 4.4.1.B)
DN012	Old MDS/version reference	Your MDS has the MDS which is old version or more than 10 years old.	Check if your MDS has any old version MDS or MDS that were released more than 10 years ago. Replace it to the latest new one.
DN013	Mass Deviation error	The mass deviation is too high.	Check if the product mass deviation is satisfactory to IMDS recommendation 001 4.2.2.C and 4.2.4.B
<b>DN014</b>	<b>Incorrect application ID [High-risk]</b>	Expired or incorrect application is used for the material/substance.	Check if the application ID is not expired. Check if the application ID selection is suitable for the material.
<b>DN015</b>	<b>Prohibited substance existence [High-risk]</b>	The Prohibited substance of DDS2004 is included.	Check if the target product has any prohibited substance of DDS2004 correctly.
DN016	Un-allowed “Preliminary”	Your MDS is “Preliminary” type.	Check off on “Preliminary”

4-3 IMDS rejection treatment

Reject Code	Error message for supplier's MDS	Description (what is the problem?)	Check point
DN017	<b>Sub-material shortage/ Incorrect material [High-risk]</b>	A remaining material on the final product is shortage, or the included substance is incorrect.)	Check if all material is declared on your MDS based on the drawing correctly. Check if the surface-treatment, remaining oil, ink, etc. are declared without any shortage.
DN018	<b>Child part missing [High-risk]</b>	The child parts structure is not same as the drawing. (a child parts is shortage.)	Check if all DENSO child parts are included in your MDS by referring the drawing. Adjust the part structure to the drawing.
DN019	Incorrect ID/Version	The IMDS-ID for one DENSO P/N is not common one.	Check if the IMDS-ID/version is satisfactory to IMDS recommendation 001 rule 3.2.2.A/B/C Check if you submit twice per same part number without any update.
DN020	Inappropriate Recyclate info	The Recyclate info about the materials weighing more than 5g with classification 1.x-4.x, 5.x, 7.1 and 7.2 is "not yet answered"	Check if the recyclate answer is not default state ("not yet answered") about the material. About the description manner, refer to IMDS recommendation 025 chapter 4. In case of 5g with classification 5.x: MUST In case of the others (1.x-4.x, 5.x, 7.1 and 7.2): WANT
DN021	Inappropriate material name	The material name is inappropriate for the attribute.	Check if the material attribution info is satisfactory to IMDS recommendation 001 4.4.2.A/B/C/D, guideline 4.4.2.a (Don't use the trade name for material name.)
DN022	Public norms / standards error	The public norms or the standard is missing.	Check if the public norms & the standard are satisfactory to MDS recommendation 001 rule 4.4.2.H & 4.4.2.I
DN023	Standard Material number error	Standard material number is missing.	Check if the standard material number is satisfactory to IMDS recommendation 001 4.4.2.E
DN024	Only one substance for Polymer	Despite Polymer, the included substance is only one.	Check if the polymer material has at least two substances. (Refer to IMDS recommendation 001 Guideline 4.4.1.a)
DN025	Material symbol error	The material symbol about classification 5.1a/b – 5.3 and its weight over 5g is missing.	Check the material symbol is satisfactory to IMDS recommendation rule 4.4.2.F.
DN026	Incorrect Mass	There is a significant difference between the input mass and the drawing mass.	Check if the input mass and the drawing mass. Check if the child component or compound material mass is correct.
DN027	Incorrect node type	Your MDS is Incorrect node type (ex. component MDS is sent as semi-component or material)	Check IMDS recommendation 001 section 4 for basic data structure requirements
DN028	Flat BOM Issue	Flat BOM is not allowed.	Create the parts structure of MDS based on the drawing. (Refer to IMDS recommendation 001 Guideline 5.2.)
DN029	Material node per homogeneous	The MDS is not described per homogeneous material. ( A mixture or layered material is described as a single material.)	Check if any material is described per homogeneous material. (Be satisfactory to IMDS recommendation 001 Rule 4.4.1.D)

4-3 IMDS rejection treatment

(2) Reject reason description

Basically, the description includes the followings.

- Header info (Part No or IMDS-ID of the target MDS)
- Error location info
- Reject code.

[Note] In case of recipient data related, only reject code is filled.

2025/10/18 06:28 AM: Your datasheet has been rejected because of the following reasons.

HVAC ASSY - TEST-123456 - 741814898 / 1.01 Header info

\*\*\*\*\*

**DN010** Reject code Error location info

[HVAC ASSY][HARNESS SUB-ASSY, WIRING,...][TERM F GT 150 SN][CuSn3Zn9]

\*\*\*\*\*

**DN009** Reject code Error location info

[HVAC ASSY][BLOWER ASSY][MOTOR ASSY, W/FAN][MOTOR ASSY, W/HOLDER]

As we change from text messages to reject code, by referring this manual confirm the pointed items and resubmit it as necessary.

#### 4-4. Note

##### (1) Development sample report

“Development sample report” is not allowed without our special request. Before submitting your IMDS to us, confirm that it has no “Development sample report”.

##### (2) MDS Update

Submit the latest version of the MDS. (One IMDS-ID for each part number)

Even if a previous MDS has already been submitted to us, in case of the followings you must update/resubmit the MDS on IMDS.

Case 1: MDS data change due to GADSL update (Wildcard substance modification)

Case 2: Any containing material / substance change of delivery product.

##### (3) Incorrect data

Should there be any problem (shortage/ excess/ mistake) of the submitted MDS, inform us (the requestor) of it ASAP. And confirm the same problem for other IMDS.

##### (4) Our IMDS request e-mail

When replying our request email, use “reply-to-all” surely and contact the requestor.

(The source email address is for our internal system. The requestors address is in CC.)

##### (5) Response to IMDS update (function change)

For any IMDS update (function change), confirm [IMDS release note](#) or user manual and follow it after the release date.

About any question, contact help desk directly.

##### 6) Others

If there is any MDS modification from our customer, please cooperate with our confirmation/ update request of your IMDS related to IMDS recommendation /IMDS user manual, **chemistry manager**, and so on.

We recommend that your MDS should be updated according to the latest contents of [IMDS release note](#). (Especially, for invalid application ID and deactivation target.)

Even before the applicability date of the release note, we may request the update of your MDS.

**5. Frequent errors**

The followings are some frequent errors. Pay attention to the mistakes.

(1) Invalid Application ID

Do not use the followings in you MDS.

Substance	Application ID	Content	EU ELV
Lead used as/in	13	Solder in electronic circuit boards and other electric applications	8
	16	Electrical components which contain lead in a glass or ceramic matrix compound except glass in bulbs and glaze of spark plugs	10
	58	Lead in compliant pin connector systems	8(f)
	20	Other application (potentially prohibited)	-
Hexavalent chromium used as/in	21	Corrosion preventive coatings	13(a)
	22	Absorption refrigerators in motor caravans	14.
	20	Other application (potentially prohibited)	-
Cadmium used as/in	49	Corrosion preventive coatings related to bolt and nut assemblies for chassis applications	13(b)
	29	Batteries for electrical vehicles	16
	28	Thick film pastes	-
	50	Optical component in a glass matrix used for Driver Assistance Systems	-
Mercury used as/in	20	Other application (potentially prohibited)	-
	25	Discharge lamps and instrument panel displays	15(a),15(b)

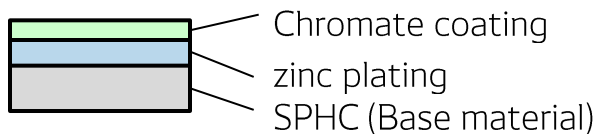
(2) Application ID "44", "45", "46", "47"

In case of Lead which is 0.1wt% or less / Cadmium which is 0.01wt% or less it can be included in Wildcard. Otherwise, use Application ID "44", "45", "46", "47".

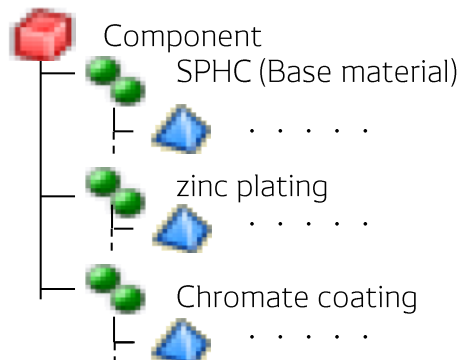
(3) As a homogeneous material

In IMDS, every homogeneous material has to be described as a separate material.

In case of Galvanized steel sheet  
input 3 materials per homogeneous material



Surface : MFZN1,H1,S



[Note]

- The number of material must comply with the surface treatment on the drawing.
- Each homogeneous material must be same structure level.

5. Frequent errors

(4) Substance description as final state

- A material must be described in its final state. (IMDS Recommendation Rule 4.4.1.B/C )  
(E.g. : Evaporating solvents, Reaction intermediates (intermediate ) )

And, if the MDS has any process chemical, you should set “chemical presence type”.

- For a resin without GADSL substance, use the Pseudo-Substance which is published in IMDS.

<Sample>

Material name	Material symbol (JISK6899-1)	Pseudo-Substance name
Acrylonitrile-butadiene-acrylate plastic	ABAK	Basic Polymer: ABAK
Acrylonitrile-butadiene-styrene plastic	ABS	Basic polymer: ABS
Acrylonitrile-chlorinated polyethylene-styrene	ACS	Basic Polymer: ACS
Acrylonitrile-(ethylene-propylene-diene)-styrene plastic	AEPDS	Basic Polymer: AEPDS
Acrylonitrile-methyl methacrylate plastic	AMMA	Basic Polymer: AMMA
Acrylonitrile-styrene-acrylate plastic	ASA	Basic Polymer: ASA
Cellulose acetate	CA	Basic Polymer: CA
Cellulose acetate butyrate	CAB	Basic Polymer: CAB
Cellulose acetate propionate	CAP	Basic polymer: CAP
Cellulose formaldehyde	CEF	Basic Polymer: CEF
Cresol-formaldehyde resin	CF	Basic Polymer: CF
Carboxymethyl cellulose	CMC	Basic Polymer: CMC
Cellulose nitrate	CN	Basic Polymer: CN
Cycloolefin copolymer	COC	Basic polymer: COC
Cellulose propionate	CP	Basic polymer: CP
Cellulose triacetate	CTA	Basic Polymer: CTA
Ethylene-acrylic acid plastic	EAA	Basic Polymer: EAA
Ethylene-butyl acrylate plastic	EBAK	Basic Polymer : EBAK
Ethyl cellulose	EC	Basic Polymer: EC
Ethylene-ethyl acrylate plastic	EEAK	Basic Polymer: EEAK
Ethylene-methacrylic acid plastic	EMA	Basic Polymer: EMA
Epoxide, epoxy resin or plastic	EP	Basic Polymer: EP
Ethylene-propylene plastic	E/P	Basic Polymer: E/P
Ethylene-tetrafluoroethylene plastic	ETFE	Basic Polymer: ETFE
Ethylene-vinyl acetate plastic	EVAC	Basic Polymer: EVAC
Ethylene-vinyl alcohol plastic	EVOH	Basic Polymer: EVOH
Perfuruoro (ethylene-propylene)plastic	FEP	Basic Polymer: FEP
Furan-formaldehyde resin	FF	Basic Polymer: FF
Liquid-crystal polymer	LCP	Basic Polymer: LCP

**5. Frequent errors**

## (5) MDS creation for glass, ceramic and enamel

- About the MDS creation for glass, ceramic and enamel, confirm and follow the chapter 2.6 of "IMDS recommendation 001a".

## (6) IMDS Rec019 materials

- Do not use the Rec019 materials in your MDS.  
(The MDS which has any Rec019 materials is rejected.)

About the detail, refer to the "Recommendation 019 Update from the IMDS Steering Committee, February 2020" in IMDS website.

## (7) Deactivation of Material Classifications

- VDA classification 1.2/ 5.5.1/ 5.4/ 8.X has been deactivated due to IMDS revision.  
In the future, you need to update about this according to IMDS recommendation.

(8) Description of DENSO part number(without hyphen) / part name in case of ISIR

Fill the DENSO part number and part name according to the drawing.

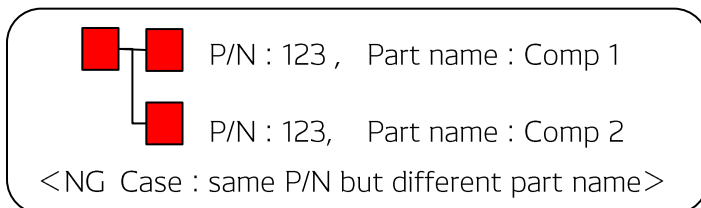
In case of unclear characters, refer to the followings.

- Available character string is capital letter alphabet or number  
(half-width alphanumeric characters.)
- Space " " is used by only one character.  
(There can never be two consecutive spaces. )
- The back of comma "," needs one space character. (e.g. XXXX, YYY)

## (9) Part number and part name of child parts

The component which has same part number must be same part name each other.

(In case of same part number, do not set the different part name.)



## 6. IMDS destination ID (Org-ID) inside japan

About the IMDS destination ID (org-ID) of DENSO G company , refer to the following.

- If IMDS submission is needed at ISIR, send the MDS to **Company ID:333**
- In case of ordinary investigation request, follow the destination ID of the request.

Rejoin	Company name	Org-ID
JP	DENSO CORPORATION	206651
	HAMANAKODENSO CO.,LTD.	206652
	DENSO AIR SYSTEMS CO.,LTD.	206653
	DENSO WISETECH CORPORATION	206654
	DENSO DAISHIN CORPORATION	206655
	KYOSAN DENKI CO.,LTD.	206656
	DENSOTRIM CO.,LTD.	206658
	DENSO SANKYO CO.,LTD.	206659
	DENSO AIRCOOL CORPORATION	206660
	DENSO TEN LIMITED	207227
	DENSO ELECTRONICS CORPORATION	206661
	DENSO WIPER SYSTEMS, INC.	234631

Note: about DENSO G company outside Japan, follow their operation rule.

## 7. Contact

- Contact about this document  
DENSO COPORATION EPD(\*2) e-mail : epd-m4@jp.denso.com
- Contact for IMDS operations  
IMDS help desk e-mail : jpimds-helpdesk@dx.com  
URL: <https://public.mdsystem.com/ja/web/imds-public-pages/imds-service-centers>

## 8. Revision

Version	Update	Page	Update contents	Editor
1.00	2020/06/16		1 <sup>st</sup> version	DNJP(*2)
1.01	2020/07/08	3,4,5	Modification of literal error ("DRNSO")	DNJP
1.20	2020/07/31		Addition of detail explanation in (2)	DNJP
1.30	2020/08/18	2,8	Addition/Modification of detail explanation	DNJP
1.40	2020/09/01	2,10,11	Addition/Modification of detail explanation	DNJP
1.50	2020/10/08	6	Range of portion : [MUST] => [WANT]	DNJP
1.60	2020/12/21	8, 11	Addition of chapter 4-3 (5) & chapter 5 (7)	DNJP
1.70	2021/11/15	12	Addition of IMDS destination ID(Org-ID)	DNJP
1.80	2022/04/22	11	Chapter 5 (8) addition	DNJP
1.90	2022/05/26	9	Chapter 5 Notice of (3) addition	DNJP
2.00	2022/08/26	6	Chapter 4-2 Quality check item addition	DNJP
2.01	2022/10/10	11	Chapter 5 (8) modification	DNJP
2.10	2023/04/03	8	Chapter 4-3 (5) addition	DNJP
2.20	2023/09/05	8	Chapter 4-3 (2) modification & addition	DNJP
2.30	2023/12/13	8	Chapter 4-3 (4) modification	DNJP
2.40	2024/5/23	8 11	Chapter 4-3 (2) modification Chapter 5 (9) addition	DNJP
2.50	2024/10/17	12	Chapter 6 modification (At ISIR, send the MDS to company ID:333)	DNJP
2.60	2025/9/12	8	Chapter 4-3) (6) modification	DNJP
3.00	2025/12/05	P6-P16	4-2- & 4-3-chapter modification/addition	DNJP

\*2: Engineering Development Promotion Division of DENSO Japan