

# Veoneer Supplier IMDS Declaration Requirements

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## 1. Introduction

The purpose of this Appendix to VS005 is to present the Veoneer specific requirements for material declaration completion within IMDS (International Material Data System).

For basic training regarding IMDS use and rules please consider:

[New to IMDS](#)

[Tutorials](#)

[IMDS FAQ](#)

Registration for [training courses](#) provided by IMDS Training Partners

**[IMDS User Manual](#)** from IMDS web site, which can be found under 'Help' section:

Before login:

After Login

Material declaration completion for Veoneer must respect:

End of Life Vehicles (ELV) Directive 2000/53/EC

REACH Regulation 1907/2006/EC

GADSL

IMDS Recommendations

VS005 (Veoneer Standard - Substance Use Restrictions)

Other

All substances listed in VS005, Appendix A - Declarable, Restricted or Prohibited Substances List must be reported in the IMDS submission in a visible way: must not be left out, marked as 'confidential substances' or hidden under 'wildcards'.

**NOTE:** According to the IMDS rules each supplier has to check their own IMDS data whenever a new substance has been added to GADSL (e.g. a new REACH Candidate List Substance). In case a new GADSL substance is hidden under IMDS wildcards, the supplier has to update his Material Data Sheet by uncovering the substance(s)!

Please mark substances in IMDS as confidential instead of using jokers/wildcards! This way, it will be more rapidly and easier to track and disclose substances in the case of future updates in the legislation (e.g. REACH SVHC updates).

Prohibited Substances must not be used in any application, except in specific cases, see Appendix E Waiver Request – Flowchart. If a restricted substance needs to be used temporarily, the supplier must request a deviation approval, see Appendix D – Waiver Request Form. The waiver shall be

sent to the local Veoneer Purchasing and Project SQ for an approval and further processing within Veoneer. A Waiver request will only be considered when it's completed otherwise it will be rejected. IMDS submission will be approved after the waiver has been approved by VS005 process owner and included in the PPAP. For more detailed information about responsibilities and the Restricted Substances Deviation Process see VS005.

## 2. Material information

### 2.1. Material types in IMDS

Depending on the source and on the classification, materials can be grouped in different categories as described below.

#### 2.1.1. Published materials

IMDS Symbol: 2 green dots with a small blue globe:



##### **Materials published by IMDS Committee**

The IMDS Steering Committee has published MDSs under three (3) IMDS companies: IMDS-Committee (423); IMDS-Committee/ILI Metals (18986) and Stahl und Eisen Liste (313). The IMDS Committee has published IDs for metallic materials (Classification 1 – 4), coatings (passivation and metal coatings) and other materials.

Please note that materials published by the IMDS Steering Committee are exempt from IMDS check procedures and it's preferable to use these materials in the MDSs for Veoneer, as long as substances used in materials are declared according to VS005 requirements.

##### **Materials published by Raw Material Producers**

Our suppliers are allowed to report only material IDs published by raw material producers and not to make copies after published materials.

#### 2.1.2. Sent materials

IMDS Symbol: 2 green dots with a small envelope:



Materials that are sent in IMDS, as such, will be visible only for companies that are 'sender' and 'recipient'. Material ID will not be visible for the other companies, even if the 'recipient' will report that material further to its customer.

Material Trade name and material supplier must be visible in the MDSs sent to Veoneer, as proof that reported material are according to Veoneer requirements.

### 2.2. Material choice:

Materials allowed to be used by Veoneer supplier are referring to materials:

- received in a component/semi component MDS from a sub-supplier (Tier3 supplier)
- received from raw material producer
- published in IMDS by raw material manufacturers or by IMDS Committee

- created by Veoneer raw material supplier<sup>1</sup>

The supplier can use a material declared in IMDS by a 3<sup>rd</sup> part, but this situation does not disclaim the responsibility of the supplier in a matter of accuracy, completeness of the material definitions. Consequently, the supplier shall carefully review the available materials.

### 2.3. Acceptable materials:

If no suitable materials among those available in IMDS could be found, the supplier shall obtain a material declaration from the material producer. The Veoneer supplier is responsible for obtaining submissions from the raw-material suppliers.

Type Material (own MDS)  
ID / Version 610227103 / 0.01  
Node ID 610227103  
Node count 1  
MDS Supplier AUTOLIV AB  
Name PA6 \* ? **Mandatory for all**  
Trade name Zytel ? **Mandatory for plastics and coatings sent/published by raw material suppliers**  
Internal Mat.-No. NA  
Preliminary MDS   
I have declared all GADSL  NA **No preliminary MDS will be accepted**

**Dates**  
Create Date 8/30/2016 ?  
Check/Release Date not available ? Recommendation

**Material Information**  
Std. Mat.-No.  **Applicable for metal classifications 1-4**  
Symbol PA6-GF20 KD5 P FR\* **Mandatory for plastics**  
Classification 5.1.a filled Thermoplastics\* ? **Mandatory for all**  
Norms / Standards + -  

Company	Norm	Norm Code
-	ISO	1043

**Mandatory for classifications 1-5**  
Supplier Dupont **Mandatory for materials sent by raw material producers**

**Remark**  
Do not put confidential information in this field, because it will be visible in the supply chain.  
Remark

Substance ranges must fulfill IMDS Recommendation 001 rules.  
We recommend correcting all warnings before sending the MDS.

<sup>1</sup> All materials created or received by our suppliers and used for Veoneer products must fulfil VS005 (Veoneer Standard 005 – Substance Use Restriction), GADSL, REACH, OEM and all other international substance requirements

For plastics with fillers, plasticizers and/or flame retardants, Veoneer mandates that the Material name and symbol to be identified per ISO 1043 1-4.

Company	Norm	Norm Code
-	ISO	1043

PA6=Polyamide6

GF=Glass Fibre

25=25% GF filler

FR=Flame retardant

17=aromatic brominated compounds (excluding brominated diphenyl ether and biphenyls) in combination with antimony compounds

## 2.4. Requirements for materials and substances:

The input in the field “name” must be descriptive of the material declared – i.e. 1008, SnPbAg. If the material is described in a public standard, or if the nomenclature for materials of a certain type is described in a public standard (example: ISO 10431 and 2 for plastics, ISO 1629 for elastomers or ISO 18064 for thermoplastic elastomers), then the material name according to this public standard must be entered. If no name is available which is described in a public standard, then the name must be descriptive.

The input in the field “trade name” must be the actual trade name – i.e. Zytel 80G33HS1L, Akulon K224 HG8.

If Trade name is mentioned on the drawing, it is mandatory to fill it in the trade name field in IMDS. Materials containing basic substances listed in Annex A of VS005 as declarable, prohibited or restricted must be openly and completely declared in IMDS.

Suppliers must declare fully and openly all prohibited and restricted substances contained in materials, also occurring as impurities or residuals, with actual concentration in the IMDS declaration.

Suppliers are strongly encouraged to use in their declarations the materials published by the IMDS Committee (IMDS ID 423) or IMDS ILI (IMDS ID 18986) especially for steels and corrosion preventive coatings.

Plastics with only one substance in chemical composition will be rejected. Polymer materials (classifications 5.x and 6.x) should contain at least 2 substances.

All declarations submitted to Veoneer must follow the latest IMDS Recommendations published on the IMDS web site. It is the supplier's responsibility to ensure that the materials used for the Veoneer Material Data Sheet (MDS) have been created in accordance with the Recommendations.

The reported content shall reflect the content of the part as it will be present in the saleable vehicle. This means all materials must be reported in their end state. Only basic substances contained in the final material are to be reported. Process chemicals used in the production of a material/part that are not contained in the end material/part must not be reported. For example, rust prohibitive coatings shall not contain water in chemical composition. Pop rivets and adhesive labels are other examples of components that must not contain volatile substances.

IMDS has marked certain substances as "Process Chemicals". The "Chemical Presence Type" must be answered for all Process Chemicals. To identify process chemicals, use the filter as shown below (process chemical will be red).

Any submission containing any process chemicals that do not designate the type of process chemical will be rejected by Veoneer.

The screenshot shows the IMDS software interface. On the left, a list of ingredients is displayed under the 'Ingredients' tab. A filter 'Process Chemicals' is applied. One ingredient, 'Chlorine', is highlighted in red and circled in blue. The details panel for Chlorine shows its chemical information and 'Chemical presence type' set to 'Intended use'. On the right, a help window titled 'What are the criteria for process chemicals?' is open, providing definitions for 'Intended Use', 'Reaction Residue', and 'Impurity'.

**What are the criteria for process chemicals?**  
Process chemicals are usually used within the production process but don't appear anymore in the part. Substances listed in the substance group "Process Chemicals" include:

- liquids (e.g. solvents)
- reactants (polymerization agent)
- gases

Verification of the use is required when these substances are added to a material in IMDS. Suppliers must indicate the chemical presence type when adding these substances. If the substance is not present in the final part, the supplier is requested to refrain from adding it in IMDS.

**What are definitions of each "Chemical presence type"?**

**Intended Use**  
"Intended Use" indicates that the liquid or gas is still present in the finished part at a significant level (generally greater than 0.1%). Most assembled parts are solids, and have no liquid or gas content, but there are a small number of parts that have liquids or gases for a specified use. Volatile substances evaporate during production and are not contained in the finished part. These substances should not be entered into IMDS.

**Reaction Residue**  
"Reaction Residue" is used if a small amount (generally less than 0.1%) of the chemical is left in the final part. This residue may be from a solvent where the majority of the solvent has evaporated, or may be a residue from a reaction.

**Impurity**  
"Impurity" can occur during the manufacturing of the material or part. These substances are not intentionally added to the material or part. The concentration in the material is minimal (generally less than 0.1%).

### 3. Component information

#### 3.1. Recyclate Information

Recyclate is required only for certain materials (IMDS classifications 1-5, 7):

In this section, all data concerning content of post-industrial/pre-consumer recyclate (see ISO 14021) and content of post-consumer recyclate (see ISO 14021) of the MDS's ingredient shall be declared.

Entering a range of more than 20% (e.g. 10% - 40%) for either post-industrial or post-consumer recyclate will result in a warning during the check.

For materials of the classifications 5.x it is mandatory to answer the recyclate question on material level. Entering a range of more than 20% (e.g 10% to 40%) for either post-industrial or post-consumer recyclate will result in an error during the check.

### 3.2. Application codes

Application codes have been defined based on the automotive recommendation and on the current ANNEX II from the ELV Directive 2000/53/EC.

To choose the right Application Code, please consult the latest Interpretation [Guide for ELV Annex II](#).

The Application information is important for OEM's in order to comply with ANNEX II and other environmental regulations.

Application codes are required for:

- Lead (and all its compounds)
- Hexavalent chromium (and all its compounds)
- Mercury (and all its compounds)
- Cadmium (and all its compounds)
- Nickel
- Polycyclic Aromatic Hydrocarbons (PAHs, e.g.: Distillates (petroleum), hydrotreated heavy naphthenic)

### 3.3. Polymeric marking

In order to improve the quality and benefit of the MDS Data, polymeric parts marking according to ISO 1043-1/2, ISO 18064 etc. are mandatory.

**Note:** Even if the component has less than 25g, the supplier has to answer the question of polymeric marking according to the part drawing; otherwise, the MDS will be rejected.

### 3.4. Multi-sourced parts

This MDS type can be used by Veoneer suppliers to declare alternative compositions for a single part number. Only the component type "reference" can be added as children to a multi-sourced component, and they will be added as "alternatives". Only one of the alternative children can be used/selected at a time, by marking it as the "preferred" alternative - the one most likely to be used.

When creating a multi-sourced MDS, please add "multisource" in the component description name, e.g. "*multisource Transistor/Resistor/IC/Sensor*" and check as "preferred" the MDS with a more problematic chemical content (e.g. higher content of SVHC, ELV exempted substances, etc).

### 3.5. E/E Components & Assemblies

For creation of MDSs for electric and electronic components and assemblies, the latest Rec019 published June 2022 should be followed.

## 4. Data Submission

### 4.1. General Information

IMDS declaration must be sent for the following changes:

1. Initial submission
2. Sub-supplier change & Resourcing (e.g. sub-component supplier, coating supplier, raw-material supplier, etc.)
3. Material change (e.g. base material, coating, etc.)
4. Weight change
5. Substances disclosure because of GADSL and/or legislation updates.



6. Whenever Veoneer request a Material Data Sheet (in case of updates, in case of approved MDS which proved to be rejected by OEMs, when no MDS is available in the system and is still provided to Veoneer as serial part or spare part, etc.)  
 For Tool related changes and supplier internal part number change, no IMDS data is necessary to be resent, if not required by Veoneer.

The rules defined in IMDS Recommendation 001 regarding new IMDS ID and new version of an existing MDS (same IMDS ID, higher version) are mandatory for MDSs sent to Veoneer. Please see below the summary of rules as explained in Figure1 from IMDS Recommendation 001:

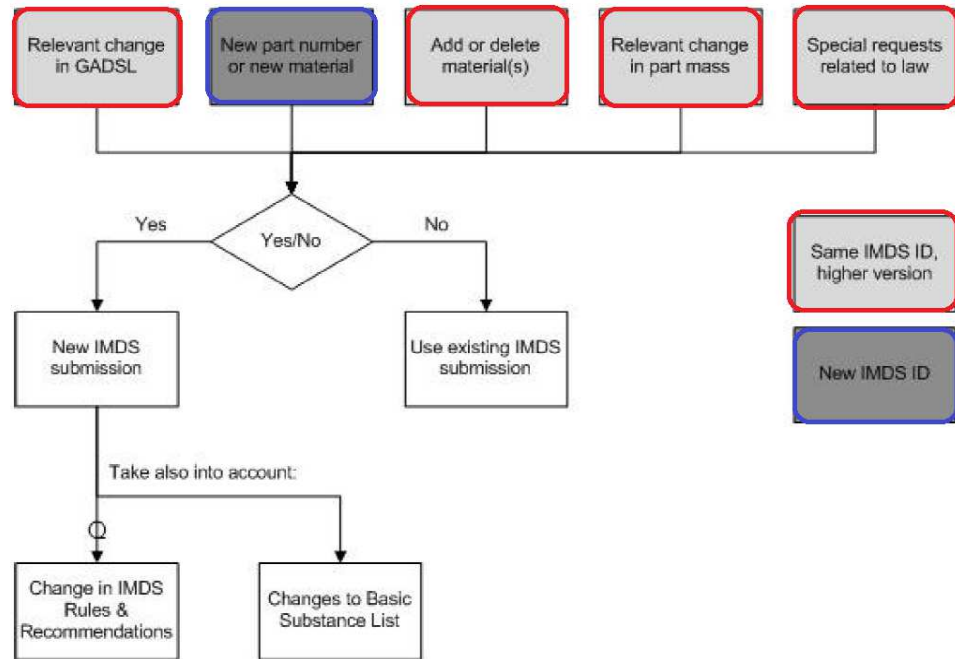


Figure 1 – Change Management Flow

A new Veoneer part number requires a new MDS (new IMDS ID) unless you are informed otherwise by Veoneer.  
 The same Veoneer part number with updated content requires a new MDS version (same IMDS ID, higher version number).

The MDS type to submit shall be chosen in accordance with the following chart.

Product	IMDS Node Type Preferred Declaration	Acceptable Declaration
Chemicals	Material	Semicomponent if a blend of several materials
Glue <sup>(*)</sup>	Material	Semicomponent if blend of several materials
Lubricant	Material	Semicomponent if a blend of several materials

Ink <sup>(*)</sup>	Material	Semicomponent if a blend of several materials
Label	Component	Component
Leather	Semicomponent	Material
Other <sup>(*)</sup>	Component	Component
Paint <sup>(*)</sup>	Material	Semicomponent if blend of several materials
Textile	Component if no further processing by Veoneer	Semicomponent if delivered part is processed by Veoneer
Thread	Semicomponent	Semicomponent
Webbing	Semicomponent	Component if no further processing by Veoneer
Wood	Component	Component

<sup>(\*)</sup> Supplier shall declare composition after processing by Veoneer (curing, drying,)

#### 4.2. Recipient Data

The part number and description are mandatory fields in IMDS Recipient data and must be completed with the information received in Part Submission Index (PSI) received from Veoneer Purchase.

**Details**

**Transfer Information**

Company VEONEER [189113]  
 Organisation unit Electronics [189145]  
 Recip. Status accepted  
 Supplier Code 152168 [?](#)  
Name PLATE, BASE, FORD RCM8, WITHOUT TAB, WITH GASKET **Mandatory**  
 Part/Item No. 636150100B [?](#)  
 Legacy Spare Part No [?](#)  
 Transmission/Check Date 9/11/2019  
 Forwarding allowed Yes

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**Drawing**

Drawing No. 6361501  
 Drawing dated 04/15/2019 [?](#)  
 Drawing Change Level 001 [?](#)

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**Purchase Order**

Purchase Order No. 1281448  
 Bill of Delivery No. -

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**Report**

Report No. 2  
 Date of Report 09/11/2019

The Veoneer companies are declared in IMDS as organization-units under the company Veoneer (ID 189113). The IMDS ID for the Veoneer companies that are registered in IMDS is available in

the Appendix III: Veoneer corporate IMDS account. **Any MDS submitted to Veoneer (ID 189113) shall be rejected regardless of the correctness of the declared data.**

### 4.3. Veoneer Part number & Drawing number:

**Part/Item No.:** The supplier shall declare the part number of the delivered part component according to the Veoneer Numbering System for part components (see Appendix I: Veoneer Part Numbering System)

The supplier shall not insert blank or hyphen in the part number.

602425302B	Acceptable
602 42 53 02 B	Not acceptable
6024253	Not acceptable
BD253	Not acceptable

**A wrong part number will result in a rejection of the submitted MDS regardless of the correctness of the declared data.**

For the oldest part components, the part number may not follow this numbering schema but must be declared in the form available in PLM. In case of doubt, the supplier shall contact the Veoneer buyer for clarification.

**Drawing No.:** The supplier shall declare the drawing number as written on the Veoneer released drawing (see Appendix I: Veoneer Part Numbering System).

6024253	Acceptable
602 42 53 B 04	Not acceptable
6024253B04	Not acceptable
6024253 B04	Not Acceptable
BD253	Not acceptable

If there is no drawing available in PLM, the MDS will be rejected for clarification between supplier and buyer/SQE.

### 4.4. Submit Data Sheet

To submit the MDS you must use **Send** button.

## 5. Data Sheet Reception

When a data sheet is received, the Veoneer IMDS Engineer shall initiate the Material Declaration Review Process to confront the Data Sheet with Veoneer component requirements, IMDS rules and substance requirements as depicted in VS005.

Veoneer IMDS Engineer is responsible for giving the approval or refusing the material declaration. In case of rejection, supplier is informed in IMDS about rejection reason and he must correct the data and resubmit the MDS.

## 6. Final Decision

The supplier shall connect to IMDS to get feedback from Veoneer on approval or refusal of submitted Data Sheet.

The status of a submitted MDS is accessible through the menu Send.

External suppliers shall provide evidence of a successful MDS submission as part of PPAP. See Appendix II for instructions on how to provide documentation for an accepted submission.

In case of a rejected Data Sheet, justifications provided by Veoneer will be available on the Recipient Data page of the rejected MDS.

## 7. Chemistry Manager

The IMDS Chemistry Manager functionality allows companies to provide REACH Annex XIV Regulatory information and Biocide Product Regulation (BPR) information through the supply chain. Please find more information in [IMDS public pages > FAQ Categories> IMDS Chemistry Manager](#)

We recommend filling REACH Annex XIV Regulatory information and Biocide Product Regulation (BPR) information for every new IMDS declarations sent to Veoneer that contains substances included in Annex XIV and/or BRP groups.

## 8. Appendices

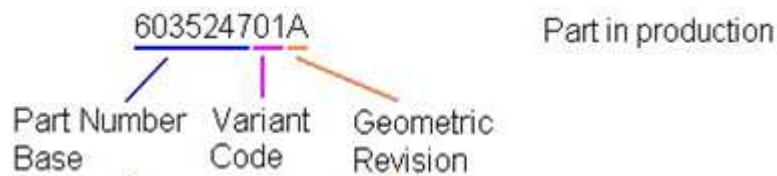
### 8.1. Appendix I: Veoneer Part Numbering System

#### Part Numbers (PN)

Veoneer PN's consist of 10 characters.

- The 1<sup>st</sup> through 7<sup>th</sup> characters are the PN Base. The base is unique to each part or family of parts. The base will only contain numbers.
- The 8<sup>th</sup> and 9<sup>th</sup> character are the variant code. The variant code may be used to indicate color, different coatings on geometrically identical components, left and right-hand parts that are mirror images of each other. Under certain circumstances, the variant code may contain alpha characters as well as numbers.
- The 10<sup>th</sup> character is the geometric revision of the part. The revision will be an alpha character and will proceed in order through the "U.S." alphabet (letters "?" will not be used).

Examples:



### 8.2. Appendix II: Documentation Instructions for Accepted IMDS Declarations

One of the PPAP requirements is that the MDS to be included in the documentation file sent by supplier. Suppliers will send a print screen from Recipient data with the accepted MDS or a report of the accepted MDS. Please make visible IMDS ID and the status of the MDS.

Print screen:

Type	Name	ID / Version	Part/Item No., Item- /Mat.-No., Material No.	transmitted	from comp. (Org Unit) [ID-No.]	Status	last status changed
	CLIP R50 AHP52	610057901 / 1	602045700F	6/20/2016	Fisher Plastic GmbH [3247]	accepted	6/20/2016
	harness assy K12s DB56 VW416 Front	603942023 / 1	604077700D	6/20/2016	OPW ELEKTRIK GmbH [11074]	accepted	6/20/2016

IMDS report:

ID / Version	Part/Item No., Item- /Mat.-No., Material No.	transmitted	from comp. (Org Unit) [ID-No.]	Status
610057904 / 1	532945700F			accepted
609942823 / 1	634877700D			accepted
608553251 / 1	635224800A			accepted
608553148 / 1	640018801A			accepted
407852080 / 2	618390300D			accepted
608553044 / 1	640018800A			accepted

### 8.3. Appendix III: Veoneer Corporate IMDS Org. Units

Company Name	Org Unit	ID
Veoneer	Electronics	189145
Veoneer	Nissin Brake	189144

### 8.4. Appendix IV: VS005 Requirements

Using a Restricted substance above the limit specified in the latest version of VS005, without asking for Veoneer authorization through VS005 Waiver, will lead to the Material declaration rejection. Prohibited substances that exceed the VS005 limits are not allowed to be used in any application. Some applications containing lead, mercury, hexavalent chromium and cadmium at levels above the limits are tolerated and exempted according to the latest Annex II of the European ELV Directive, see further EU Commission Directive 2016/774/EU.

The last released version of VS005 is available on Veoneer Partner Portal, within VSM (Veoneer Supplier Manual), under Environment section.

Please consult VS005 throughout the design and material selection process. ANY USE OF A PROHIBITED SUBSTANCE SHALL BE COMMUNICATED TO VEONEER AS SOON AS POSSIBLE.

## 9. Modification Index

Version #	Date	Modification	Purpose
Version 1	01-Apr-2018		Initial revision
Version 2	22-Jul-2020	Substance classification “forbidden” was replaced by “prohibited”. Chapter 1: Changed responsibility from “Veoneer Environmental Affairs Coordinator (EAC)” to “VS005 Process Owner”	Changed substance classification according legal and customer requirements. Modified responsibilities to suit Veoneer organization.

		<p>Chapter 4.1: Additional information regarding new MDS submission (new IMDS ID or new version) was added</p> <p>Chapter 4.2: "Supplier code" information was removed from mandatory fields for acceptance in IMDS</p> <p>Chapter 5: Changed responsibility from "Veoneer Material Administrator or Supplier Quality" to "IMDS Engineer"</p>	<p>Detailed information about submission in IMDS system was added for clarification due to multiple questions from supplier.</p> <p>Removed mandatory ALV information due to Veoneer Process Flow.</p>
Version 2.1	02-Jun-2022	<p>Chapter 3.1: Details on recycle requirements</p> <p>Chapters 3.4 and 3.5 added</p>	<p>Document to reflect latest updates of IMDS system</p>