Bosch IMDS Data entry guidelines

Version 6, 09.02.2024
Changes to the previous version
-Deletion of starters/generators
- Adaptation of rules for declaration of recycled content

This document contains Bosch IMDS data entry guidelines, including

1. General instructions on required information in chapters ingredients and recipient data
2. A list of issues that will lead to a rejection
3. Date of data submission and change management rules

Issues listed in section 2.) are based on current IMDS recommendations (e.g. related structure, tolerances, change management) but as well legal or Bosch internal requirements.

Restricted substances requirements of Bosch Standard N2580 ("Prohibition and declaration of substances", cf. your contractual agreements) have to be met. It refers to e.g.:

− GADSL
− End-of-Life vehicles directive (2000/53/EC (ELV)), inclusive current Annex II and
− REACH
− Region specific requirements on demand

Information on how to enter IMDS and IMDS recommendations as are available on IMDS pages (www.mdsystem.com) and within IMDS FAQ.
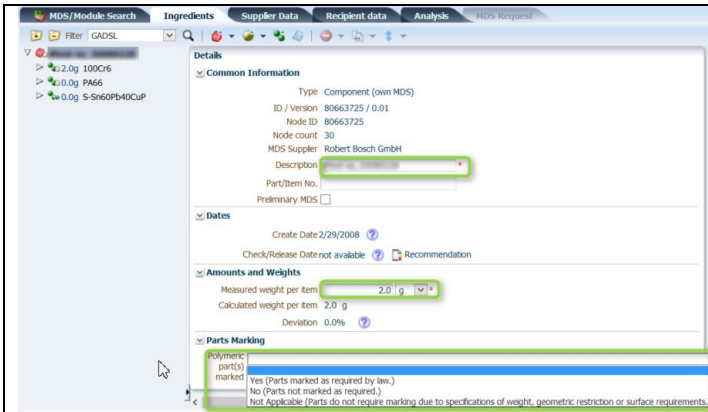
In case of questions related to:

− Individual / project specific submission requests: please contact related purchasing / requesting department.
− Rejections: please contact the rejecting person directly.

1. General instructions on required information in chapters ingredients and recipient data
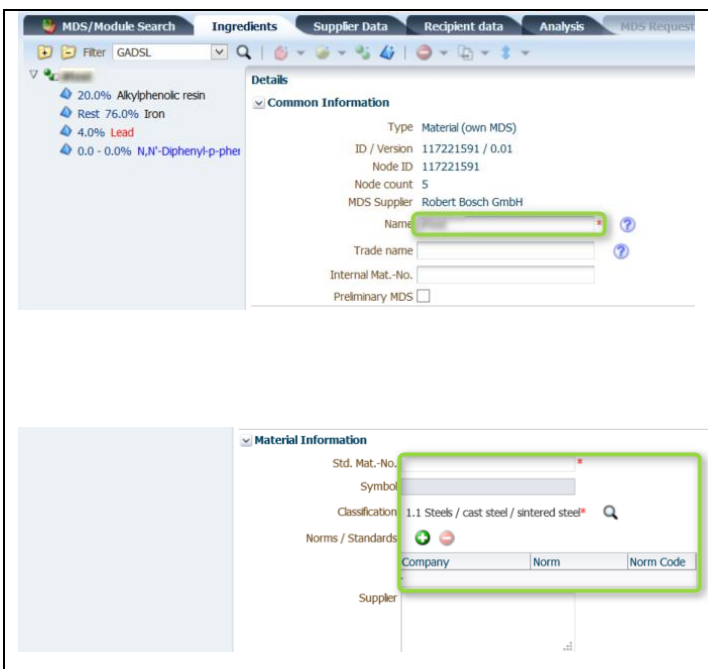
1.1 Ingredients

1.1.1 Parts

Mandatory
- Name
  - As stated on the drawing
  - If applicable:
    - English name to be mentioned first
    - project or catalogue name
- Measured weight and tolerance
- Expectations for polymeric parts marking
- <u>Yes</u>: in case part contains
  - a thermoplastic material > 100 g
  - an elastomeric material > 200 g
  - or the part is marked in reality, independent on the weight

Not accepted
- «development sample report» flag
- Exceeding the tolerances as defined in IMDS Recommendation 001

1.1.2 Materials

Mandatory
- Name:
  - The material name must be entered in English in the EN field. The added name translation in other languages is optional.
  - If the material is described in a public standard, or if the nomenclature is described in a public standard (example: ISO 1043-1 to 4 for plastics, ISO 1629 for elastomers or ISO 18064 for thermoplastic elastomers), then the material name according to this public standard must be entered, example:
    - steel − EN 10027, JIS norms,

	example: STM-C 540
	▪ aluminum alloy – EN 573, JIS norms,
	example: Al-Si12
	▪ copper alloy – ISO norms,
	example: CuAl5
	▪ plastic – ISO 1043-1 to -4,
	example: PE-LD
	▪ elastomer – ISO 1629,
	example: ACM
	▪ thermoplastic elastomer – ISO 18064,
	example: TPA-ES
	o If no name is available which is described in a public standard, then the name should be descriptive and the material name should identify the category
	  ▪ Aluminum alloy
	  ▪ Basecoat, Clear coat
	  ▪ Glass
	– Std. material number
	o For materials in parts with a weight > 5 g and for which a material number is defined in public standards (classifications 1-4), this entry is mandatory.
	– Symbol
	o For materials in parts with a weight > 5 g that are thermoplastics, thermoplastic elastomers and elastomers (classifications 5.1a/b – 5.3.) this entry is mandatory.
	o Please use the format as defined in related ISO standards
	– Norms/Standards
	o For materials described in public norms supported by IMDS, this entry is mandatory. Classifications 6-9 typically do not have public norms.
	
	Not accepted
	– «development sample report» flag

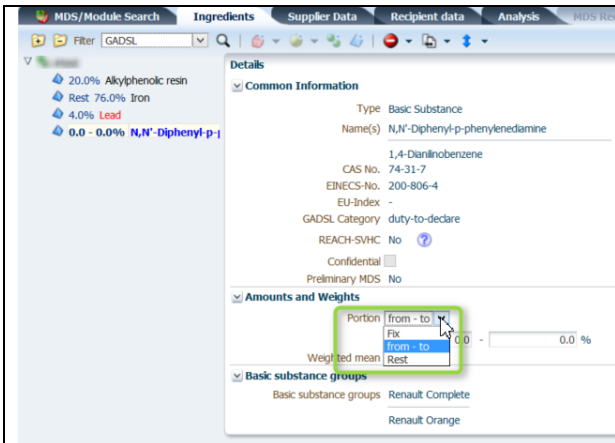| In general	

	– References to
	  o public IMDS Committee entries (e.g. metals) by
	    ▪ IMDS Committee (#423)
	    ▪ IMDS-Committee / ILI Metals (#18986)
	    ▪ Stahl und Eisen Liste (#313)
	  o Rec 19 to report on "Electric/Electronic (E/E) components and assemblies"
	  o are preferred as long as the supplied parts comply with them
	– MDSs containing several structure types on one level are not acceptable
	– Please replace deleted / hidden substances / MDS on <u>the first level of the tree</u> before submission
	
	Handling of modified standard materials
	For classifications 1 to 3, modified standard materials must contain following remarks:
	– „mod." oder „modified" as part of the material name
	– If applicable a specification in „norms / standards, like „~DIN xxx", „with reference to DIN xxx".
	In such cases the Standard Material No. must not be cited

1.1.2.1 Details on basic substances, applications, recyclate

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Mandatory
− Portion. For allowed portion ranges please see IMDS Recommendation 001
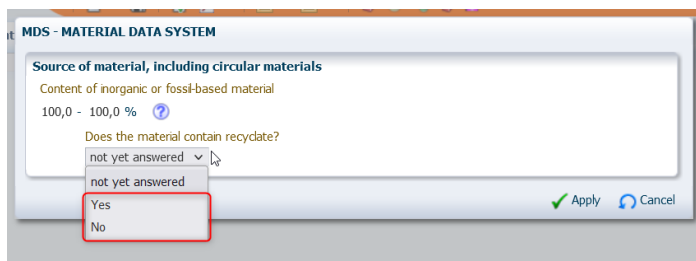
Not accepted
− Confidential flag (checkbox must not be ticked)
− Wildcard «not yet specified»
− Portion «Rest» for wildcards

In general
Substances listed in GADSL (inclusive SVHC) must not be hidden by wildcards or flagged as confidential.

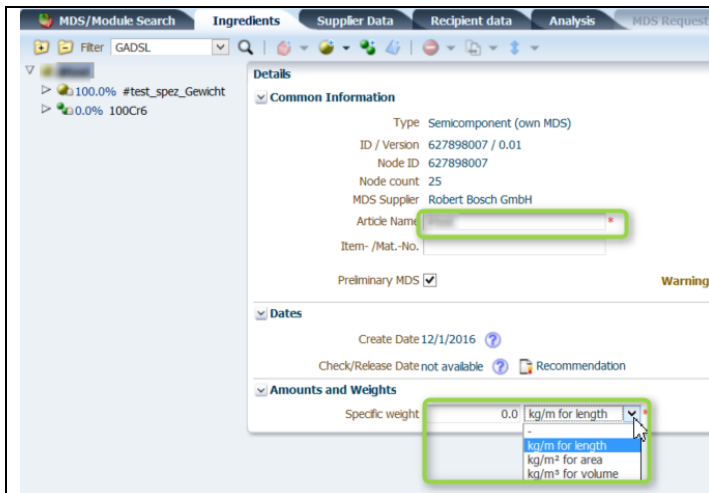Same is for Conflict Minerals and there compounds (c.f. Dodd Frank Act (H.R. 4173 / Sec. 1502).

The use of the confidential flag is preferred compared to the use of wildcards.

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Mandatory
− All fields must be answered.
− In principle, "Not yet answered" will be rejected
− When specifying the recyclate content:
− The information must correspond to reality, i.e.
  - o In the case of metals, a proportion of recyclate is always assumed, so the answer 'No' may result in a rejection.

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1.1.3 Semi components

Mandatory
- Name
  - o As stated on the drawing
  - o If applicable:
    - English name to be mentioned first
    - project or catalogue name
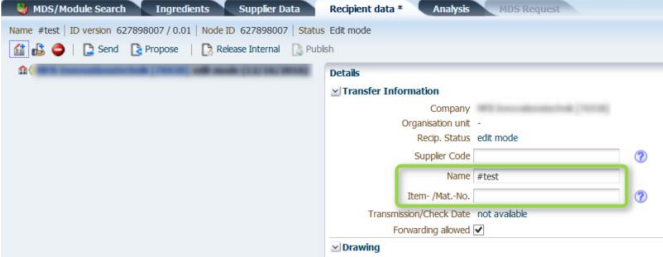- Specific weight

Not accepted
- «development sample report» flag

1.2   Supplier data

No additional hints as MDS without this data cannot be submitted.
Please ensure that contact data (e-mail address, phone number) is up to date.

1.3 Recipient data

In general	– Please send data to #202 (Robert Bosch GmbH), if not stated otherwise. – Data for Company Automotive Steering to be sent to account o #296 and resp. Org-Ids. (Robert Bosch Automotive Steering GmbH) or o #24285 (Bosch HUAYU Steering Systems Co.Ltd.)
	Mandatory As stated on the drawing / specification / order: – Part/Item No.: Bosch part no.: o 10 digit (figures or letters); optional 10 digits + Blank + 3 digits (figures or letters) <u>Example:</u> 0281123A56 B12 o no blanks, special characters, etc within the 10 digit Bosch part no. – Description **Optional** – Drawing details **Additional requirements** – See section 4.

2. List of issues that can lead to a rejection

Rejection reason	Comment
Non compliance with IMDS Recommendations	
Substance content not within the allowed range	The bandwidth for a substance is too large and not compliant with IMDS Recommendation 1.
Portion not within the allowed range	The bandwidth of a material (below a material or semi component) is too large or the bandwidth of a semi component (below a semi component) is too large and not compliant with IMDS Recommendation 1.
Total amount of wildcards and / or confidential substances is larger than 10%	Please refer to IMDS FAQ in terms of calculation method.
Wildcard «not yet specified» is not allowed	Wildcard «not yet specified» must only be used in MDSs for prototype reporting
Symbol must be filled in for categories 5.1.a, 5.1.b, 5.2, 5.3	
Node has a mixture of structure types	Below a node there are different types of nodes (e.g. material and component on the same level).
Standard format issues	
The datasheet contains prohibited substances of ELV and GADSL above the threshold and without valid exemption	EU directive 2000/53 EC on end of life vehicles including current annex II and restrictions of GADSL.
Weight is not in line with measured (real) weight of the component	The entered weight in the MDS differs from the weight of the sample part considering the allowed tolerance.
Name not in line with drawing / specification / order / standard	
Wrong Bosch parts number / format of Bosch parts number	Please enter the Bosch parts number as follows − 10 digits (figures or letters, without blanks, special characters) Optional − 10 digits + Blank + 3 digits (figures or letters) Example: 0281123A56 B12

Rejection reason	Comment
The data sheet contains one of the following Application Codes (AQ): – deleted AQ – AQ for ELV exemptions that already expired (related to the put on the market date of vehicle) – AQ "Other application (potentially prohibited)"	
Use of wildcard which is not longer available	A deleted wildcard is used within a material
Name is the system default name of a copy (copy_xyz)	For details on name of a MDS see section 1.1.
Classifications 8.1 and 8.2 must only be used for parts as defined in Recommendation 019	For discrete electronic components (which are not fixed to the printed circuit board) materials have to be declared using the appropriate classification.
«Development sample report» is not allowed	«development sample report» must only be ticked if MDS is for prototype reporting
Question for Polymeric mark is not answered yet	For a component, which needs the answer for the polymeric marking question regarding the rules of the online system IMDS, this information is missing.
Material as sub node of another material: material categories do not fit together	
Question «Does the material contain recyclate» Refer to chapter recyclate	
Following rejection might occur in individual cases especially related to old data	
VDA classification is deleted	The material uses a classification which has been deleted in IMDS.
AQ no longer valid / not set / not editable	The material uses an AQ which has been deleted in IMDS / has not been set / is not editable.

3. Date of data submission and change management rules

An IMDS entry is required in case of
- first sampling (ISIR)
- Changes
  - according to IMDS Recommendation 022 within 6 months if
    - content in terms of materials or substances changed
    - the supplied component contains a substance which has been added to N2580 and which has not yet been reported in existing MDS
    - a change in mass of a part exceeding the tolerance listed on the production part drawing or in Quality Management Guidelines
  - an incorrect declaration so far
  - On request in individual cases
- First order

If an existing MDS has to be updated please use copy to new version function instead of copy to new ID. Submission for the same part number with different ID is not allowed.

4. Additional instructions

4.1 Data sent to Robert Bosch Automotive Steering GmbH (Account # 296 and respective Org-Ids.), menu recipient data

4.1.1 Format of Item- /Mat.-No.:

Format	Component
xxxx.xxx.xxx 4 digital characters/ dot / 3 digital characters/ dot / 3 digitale characters	Parts for steering gear
xxxxxx 6 digital characters	Parts for steering column
xxxxxxxx 8 digital characters	Parts for steering column of site Eger/Mazlar
xxx.xxx.xxx.xxx-xx 3 digital characters/ dot / 3 digital characters/ dot / 3 digital characters/ dot / 3 digital characters/ dot / minus / 2 digital characters	Parts for steering column

4.1.2 Additional mandatory fields

– Drawing dated (if no data available → - / does not exist)
– Drawing Change Level (if no data available → -)
– Supplier Code or DUNS-Nummer
– Drawing No.

Notes:

In case of standard parts:
– Drawing No. → enter Item- /Mat.-No.
– Drawing dated → - / does not exist

In case of Optional technical kits (OTK):
– MDS for those components will not be accepted
– MDS for the single components are required
– For further information please contact the related purchasing department