

Bosch IMDS Data entry guidelines

Version 1, 2009/11/18

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

Information on how to enter IMDS and IMDS recommendations as are available on IMDS pages (www.mdsystem.com) and within [IMDS FAQ](#).

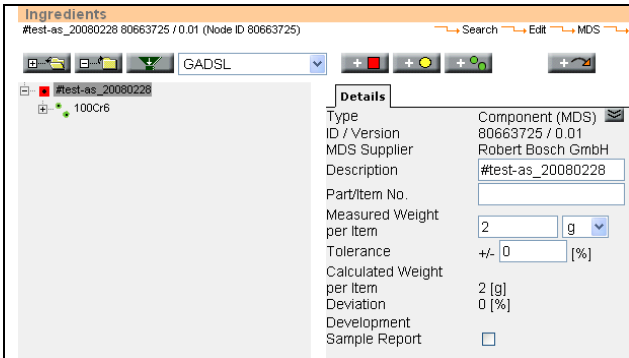
In case of questions related to:

- 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

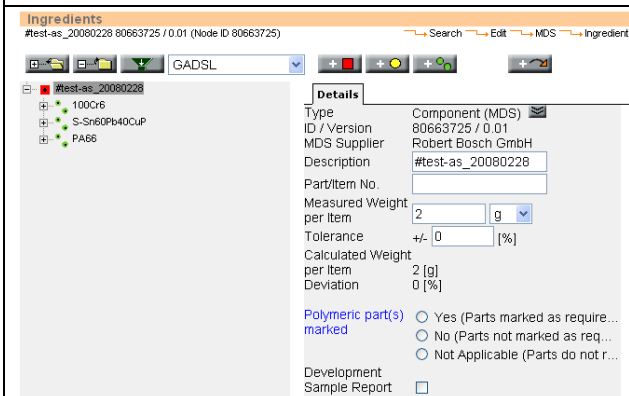


Mandatory

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

Not accepted

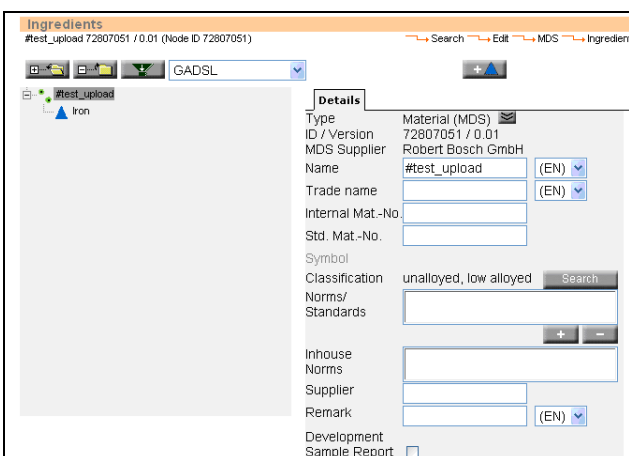
- «development sample report» must not be ticked if MDS is part of first sampling documentation



Expectations for polymeric parts marking

- Yes: in case part contains
 - o a thermoplastic material > 100 g
 - o an elastomeric material > 200 g
 - o or the part is marked in reality, independent on the weight

1.1.2 Materials



Mandatory

- Name:
 - o The material name must be entered in English in the EN field. The added name translation in other languages is optional.
 - o 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
- 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
 - Adhesive layer
 - Basecoat, Clear coat
 - Glass
- Std. material number
 - 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
 - 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.
 - Please use the format as defined in related ISO standards
- Norms/Standards
 - 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» must not be ticked if MDS is part of first sampling documentation

Ingredients
#test_upload 72807051 / 0.01 (Node ID 72807051)

Search Edit MDS Ingredients

GADSL

#test_upload
Iron

Details

Type: Basic Substance
Name: Iron
Einecs-No.: 231-096-4
EU-Index: -
CAS No.: 7439-89-6
GADSL category:
REACH-SVHC: No
Synonyms: Fe
Confidential:
Portion: From 0 to 0 0[%]
 Fix 0 [%]
 Rest 0[%]

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

Ingredients
#test-as_20080228 80663725 / 0.01 (Node ID 80663725)

Search Edit MDS Ingredient:

GADSL

#test-as_20080228
100Cr6
S-Sn60Pb40CuP
PA66

Details **Recyclate** **Application**

Component: #test-as_20080228
Origin: own
Material: S-Sn60Pb40CuP

2 items found.

Basic Substance	%(MAX)	Application
Lead	39.681	none
Cadmium	0.0010	Concentration within...

Mandatory

- AQ (where required)
- Question «Does the material contain recyclate» (acceptable default is «no»)

Not accepted

- AQ «... potentially prohibited»

Ingredients
#test-as_20080228 80663725 / 0.01 (Node ID 80663725)

Search Edit MDS Ingredients

GADSL

#test-as_20080228
100Cr6
PA66
S-Sn60Pb40CuP

Details **Recyclate**

Material: PA66

Does the material contain recyclate?
 Yes No

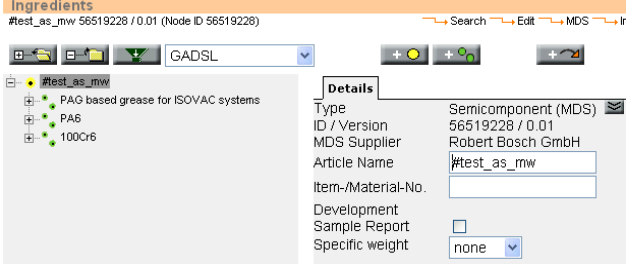
Content of post industrial recyclate:
(e. g. from injection molding, rejected parts etc.)
From _____ to _____ [%]

Content of post consumer recyclate:
(e. g. from scrapped and damaged vehicles, packaging wastes, scrapped household appliances etc.)
From _____ to _____ [%]

In general

- References to public IMDS Committee entries (e.g. metals, printed circuit boards) are preferred as long as the supplied parts comply with them
 - o IMDS Committee (#423)
 - o IMDS-Committee / ILI Metals (#18986)
 - o Stahl und Eisen Liste (#313)
- MDSs containing several structure types on one level are not acceptable
- Please replace deleted / hidden substances / MDS on the first level of the tree before submission

1.1.3 Semi components

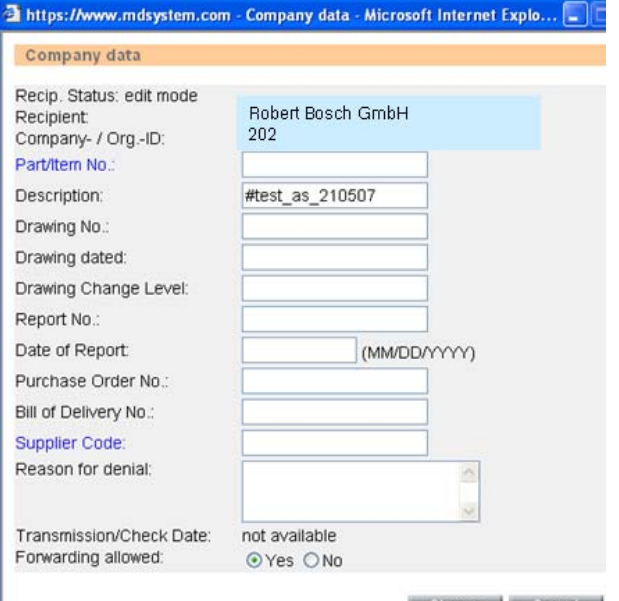
	<p><u>Mandatory</u></p> <ul style="list-style-type: none"> - Name <ul style="list-style-type: none"> o As stated on the drawing o If applicable: <ul style="list-style-type: none"> ▪ English name to be mentioned first ▪ project or catalogue name - Specific weight <p><u>Not accepted</u></p> <ul style="list-style-type: none"> - «development sample report» must not be ticked if MDS is part of first sampling documentation
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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

<p><u>In general</u></p>	<p>Please send data to #202 (Robert Bosch GmbH), if not stated otherwise</p>
	<p><u>Mandatory</u></p> <p>As stated on the drawing / specification / order:</p> <ul style="list-style-type: none"> - Part/Item No.: Bosch part no.: <ul style="list-style-type: none"> o 10 digit (figures or letters); optional 10 digits + Blank + 3 digits (figures or letters) o no blanks, special characters, etc within the 10 digit Bosch part no. - Description - Supplier code <p><u>Optional</u></p> <ul style="list-style-type: none"> - Drawing details

2. List of issues that can lead to a rejection

Rejection reason	Comment
<u>Non compliance with IMDS Recommendations</u>	
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	
Symbol must be filled in for categories 5.1.a, 5.1.b, 5.2, 5.3	For materials in parts with a weight > 5 g.
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).
<u>Standard format issues</u>	
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.
Application code « ... potentially prohibited»	This application code is not allowed to use.
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	
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 not be ticked if MDS is part of first sampling documentation.

Rejection reason	Comment
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	
Wrong Bosch parts number / format of Bosch parts number	Please enter the Bosch parts number as follows – 10 digits (figures or letters) Optional – 10 digits + Blank + 3 digits (figures or letters) Example: 0281123A56 B12
MDSs containing different ID	For on Bosch parts number several MDSs with different ID have been submitted. Please use the function «copy to a new version» to update MDSs.
<u>Following rejection might occur in individual cases especially related to old data</u>	
Question «Does the material contain recycle» not answered at all	Either «yes» or «no» has to be selected, «no» is acceptable as default.
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.