

DAIMLER TRUCK

IMDS Guideline
Daimler Truck AG
February 2024

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1. Introduction

This Daimler Truck (DTAG) guideline is an explanation of the most important contents of a MDS (material data sheet) with the respective reasons for rejection (listed in Appendix 1)

Please ensure to correct all positions mentioned in the reasons for rejection before resubmitting the MDS to DTAG. The list of reasons for rejection can be found in Appendix 1.

General information regarding IMDS can be found on the [IMDS Information Pages - Informationsmaterial - IMDS Public Pages \(mdsystem.com\)](#)

If further assistance is required please contact: imds_service_dtag@daimlertruck.com

2. General Daimler Truck specific IMDS checks

2.1. Part Number Formats:

- A numbers generally start with letter A, followed by 10 digits for engineering components without spaces in between.
- N numbers generally start with letter N, followed by 12 digits for standard components without spaces in between.

PN examples: A1234567890, N123456789123,...

- For all others please transfer the partnumber in the same notation as on the drawing.
PN examples: F1HS 1234 HA, ML123456, MK123456, 12-12345-001,...

2.2. Supplier code:

Please report the supplier code with eight digits without blanks or special signs.

Please always use your supplier ID, which is given to you by our procurement department (GLOBUS ID).

2.3. Company specific fields:

- If available, please fill out the SC1/ ES1 or SC2/ES2 and make sure that SC1/ES1 and SC2/ES2 codes are valid.
- For A Numbers: Please ensure that the drawing geometry technical level (ZGS / DGL) is entered and valid in the correct field

Company	Daimler Truck AG (---)	
Company- / Org.-ID	205311	
Recip. Status	accepted	
Supplier Code	12345678	supplier code
Name		
Part/Item No.		part number
	☐ Legacy Spare Part	
Transmission/Check Date	01/17/2024	
	☒ Forwarding allowed	
SC1 (supplementary code1)		SC1 / SC2
SC2 (supplementary code2)		
Drawing No.		
Drawing dated		
DGL (drawing geometry technical level)		ZGS / DGL
Drawing Change Level		

3. Important checks related to IMDS Recommendation 001

3.1. Polymer questions / Recycling questions

Please always answer the questions to polymer labeling and recycling content for each material weights higher 5gramm.

If no polymer material must be labelled due to material specifications or weight, please use “Not Applicable”.

Polymeric part(s) marked: ☐ Yes ☒ No ☐ Not Applicable

Yes = Parts marked as required by law.
 No = Parts not marked as required.
 Not Applicable = Parts do not require marking due to specifications of weight, geometric restriction or surface requirements.

Source of material, including circular materials

Does the material contain recycle? No

In regard to recycled content, an exception is allowed for material classifications: 6.x ,7.3, and 9.x

Material Information

Std. Mat.-No. -
 Symbol -
 Classification 7.3 Other compounds (e.g. friction linings)
 SCIP Material Category -
 Additional Material Characteristics -
 Norms / Standards -
 Supplier - ?

SVHC/GADSL Content

Source of material, including circular materials

Does the material contain not yet answered recycle?

3.2. Change mangement:

For change management of MDS please always follow the rules of Rec 001.

- In general, MDS has to be revised after 10 years.
- Please create only for new part numbers a new IMDS ID.

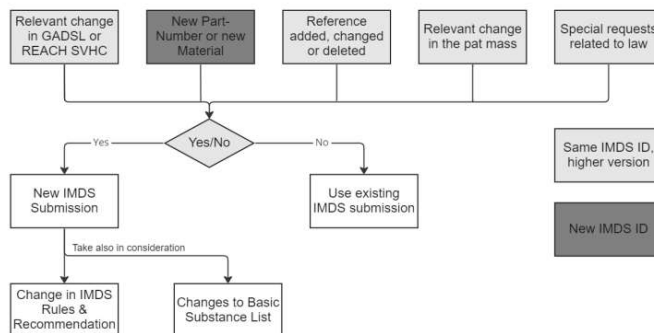


Figure 1 – Change Management Flow

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3.3. Flat BOM:

In order to simplify material reporting structures, it was allowed for certain applications to combine certain components into summarizing component groups.

With revision 11 such Flat BOM reporting is no longer allowed on component level.

3.4. Additional information

Please report the classification according to Rec001, Annex I. Every homogeneous material has to be described as a separate material. Homogeneous means, that there is a consistent material composition which cannot be separated mechanically into two or more different materials.

All materials also need to be reported as they appear on the Truck.

Solvents used in the production of a material that are not contained in the end material must not be reported.

A mixture of components with semi-components or materials on the same level is allowed, if the material or semi-component is not an article, but a coating, lubricant or similar, added to the component.

Flag "Applied to article as" has to be selected.

The screenshot displays the SAP MDS Request interface. On the left, a tree view under 'Halter' shows a hierarchy: '0.5g Zink calcium phosphate coating (Ni-content)' (highlighted with a red box), 'Rest 47.5% Trizinc bis(orthophosphate)', '25-75% Zinc calcium phosphate', and '1-4% Trinickel bis(orthophosphate)'. The main panel on the right shows the 'Details' tab for the selected material. The 'Applied to article as' field is highlighted with a red box, and a dropdown menu is open, showing options: 'Adhesive', 'Coating', 'Glass seal', 'Grease/Lubricant', 'Ink', 'Operating fluids', and 'Overmold'. The 'Coating' option is selected.

Details	
Type	Material (published MDS)
ID / Version	9501938 / 7 (Node ID 953667651)
MDS Supplier	Zentralverband Oberflächentechnik
Name	Zink calcium phosphate coating (Ni-content) EN
Trade name	EN
Internal Mat.-No.	
Applied to article as	Coating
Std. Mat.-No.	
Symbol	
Classification	
SCIP Material Category	

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4. Plastics

The material name of thermoplastics has to be entered according to ISO 1043. Thermoplastic elastomers are described in ISO 18064, elastomers in ISO 1629.

Do not use trade names or other not related material names. Material names must be reported in English.

- 4.1. Please always fill out “Norms / Standards that is valid for the Plastic (Please use public norms if possible, if no public norm is used please describe the inhouse norm)”

Details	Source of Material	Application	SVHC/GADSL Content	Regulatory Information
Type	Material (received MDS)			
ID / Version	[Redacted] (Node ID [Redacted])			
Node count	3			
MDS Supplier	[Redacted]			
Name	PET			
Trade name	[Redacted]			
Internal Mat.-No.	-			
Std. Mat.-No.				
Symbol	[Redacted]			
Classification	5.1.b unified Thermoplastics			
SCIP Material Category	66539 - Material category - plastic (and polymers) > other non-halogenated (co)polymers; 66540 - Material category - plastic (and polymers) > other halogenated (co)polymers			
Additional Material Characteristics				
Norms / Standards				

- 4.2. Please report the correct symbol for thermoplastics as specified in ISO 1043.

Details	Source of Material	Application	SVHC/GADSL Content	Regulatory Information
Type	Material (received MDS)			
ID / Version	[Redacted] (Node ID [Redacted])			
Node count	3			
MDS Supplier	[Redacted]			
Name	PET			
Trade name	[Redacted]			
Internal Mat.-No.	-			
Std. Mat.-No.				
Symbol	PETG			

If the material is described in a public standard, or if the nomenclature for materials of a certain type is described in the public standard ISO 1043- 1 to 4 for plastics, then the material name according to this public standard must be entered.

For colored elastomers please follow Rec001, section 5.1 for (Highly) Confidential Substances in Plastics Masterbatches.. Please note that color pigments must always be added and must be reported.

Fillers e.g. such as glass fiber (GF) must be specified according to ISO 1043-2. If a filler is specified in the symbol, this must also be reported in the ingredients section.

The correct classification for plastic is described in Rec001 Annex I.

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5. Metal

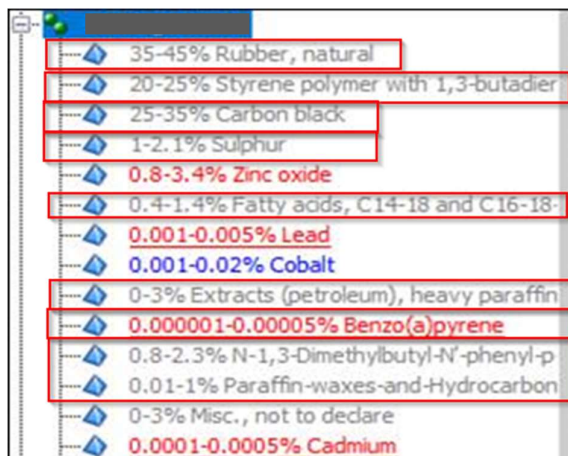
Analogous to plastics, the material name has to be entered according to standards.

Do not use trade names or other not related material names. If a material is described in a public norm, the material number must be entered. Material names must be reported in English.

Please select materials according to a public standard supported by IMDS Steering Committee or Stahl- und Eisenliste.

Please ensure to include the surface treatment/protection.

For a mixture of metal and non-metal substances, please report these substances separately.



This reporting is not correct, as non-metals (red marked) and metal substances are listed under one material.

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6. Compliance

Please take care about valid application codes and substance limits.

Examples:

Incorrect limit. Limit of basic substance above exemption of ELV Annex II on material level.

3. Copper alloys containing up to 4 % lead by weight

screw

0g CuZn38Pb4

57-59% Copper

0-0.05% Aluminium (metal)

0-0.3% Iron

0-0.3% Nickel

3.5-4.2% Lead

0-0.3% Tin

Rest 37.575% Zinc (metal)

0-0.2% Misc., not to declare

Details

Source of Material

Application

SCIP

SVHC/GADSL Content

Regulatory Information

Component

screw

Origin

own

Material

CuZn38Pb4

Application

▼ Basic Substance

	Percent (min)	Percent (max)	
Lead	3.5	4.2	3 - Alloying element in copper [3]

Incorrect, hidden or deleted application code on material level

4(b). Bearing shells and bushes in engines, transmissions and air conditioning compressors

As spare parts for vehicles put on the market before 1 July 2011

Details

Source of Material

Application

SCIP

SVHC/GADSL Content

Regulatory Information

Component

Gleitlager

Origin

foreign

Material

PTFE-MD (Pb) 55

Application

▼ Basic Substance

	Percent (min)	Percent (max)	
Blei	55	55	4(b) - Alloying element in bearing shells and bushes in engines, transmissions and air conditioning compressors [51]

Material contains a not accepted basic substance to REACH Annex XIV

- ➔ Basic substances, listed on Annex XIV, where the sunset date has been exceeded, will not be accepted.

[Verzeichnis der zulassungspflichtigen Stoffe - ECHA \(europa.eu\)](https://echa.europa.eu/de/verzeichnisse/verzeichnis-der-zulassungspflichtigen-stoffe)

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7. Rejection list

MDS Check	Comments/Examples
Incorrect or unknown part description;	The part name has to be transferred in the same notation as on the drawing.
Incorrect part number.	Part Number Formats: • A numbers generally start with letter A, followed by 10 digits for engineering components without spaces in between. • N numbers generally start with letter N, followed by 12 digits for standard components without spaces in between. ➔ PN examples: A1234567890, N123456789123,... • For all others please transfer the partnumber in the same notation as on the drawing. ➔ PN examples: F1HS 1234 HA, ML123456, MK123456, 12-12345-001,...
Please report supplier code with eight digits without blanks or special signs;	Please report the supplier code with eight digits without blanks or special signs. Please always use your supplier ID, which is given to you by our procurement department (GLOBUS ID).
Please report only valid SC1 / ES1 and SC2 / ES2 codes;	Please fill out the information if available in the correct company specific fields
Incorrect or missing drawing geometry technical level ZGS / DGL;	Please fill out the information if available in the correct company specific fields
Incorrect or unanswered polymer material labeling question;	Please answer for each material weight higher 5 gramm In case of no marking due to material specifications or weight, please use n/a
Incorrect or unanswered recycled content question;	Please answer for each material weight higher 5 gramm Exception allowed for material classifications: 6.x, 7.3, and 9.x
FBOM reporting is not allowed on component level xxx;	In order to simplify material reporting structures, it was allowed for certain applications to combine certain components into summarizing component groups. With revision 11 such Flat BOM reporting is no longer allowed
Please revise MDSs with more than 10 years;	MDS older than 10 years have probably not been updated according to change management rules
Compliance	Comments/Examples:
Incorrect limit. Limit of basic substance xxx above exemption of ELV Annex II on material level xxx.	Usage of Application-Code 4(b) is only for spare parts allowed
Incorrect, hidden or deleted application code on material level xxx	Missing application code for nickel / Exemption: 1-Alloying element in steel for machining purposes or galvanized steel [1] cannot be use anymore. Please select 1(a) Steel for machining purposes and batch hot dip galvanized steel components containing up to 0,35 % lead by weight
Material xxx contains a not accepted basic substance to REACH Annex XIV	Reported substance DEHP Di-(2-ethylhexyl)phthalate (sunset date 2015)

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General rejection	Examples / Explanation
Incorrect material classification on material level xxx. Please report the classification according to Rec001, Annex I;	Use the Classification table, section 1.3 from Rec001 Annex I
Each homogeneous material must be reported separately on material level xxx;	Every homogeneous material has to be described as a separate material. Homogeneous means that there is a consistent material composition which cannot be separated mechanically into two or more different materials.
Materials must be reported in their end-state on material level xxx;	Materials also need to be reported as they appear on the Truck
Please do not report solvents on material level xxx;	Solvents used in the production of a material that are not contained in the end material must not be reported
Please do not report preliminary MDS and Prot.Mat;	In final MDSs which are PPAP relevant this box must not be flagged
Incorrect structure. Child nodes of the same parent node must be of the same type	A mixture of components with semi-components or materials on the same level is allowed, if the material or semi-component is not an article, but a coating, lubricant or similar, added to the component. Flag "Applied to article as" should be selected
Plastics	Examples / Explanation
Incorrect plastic material name according to ISO 1043 on material level xxx;	Do not use trade names or other not related material names. Material names must be reported in English
Please report the correct symbol for thermoplastics and duromers as specified in ISO 1043 on material level xxx;	If the material is described in a public standard, or if the nomenclature for materials of a certain type is described in the public standard ISO 1043- 1 to 4 for plastics, then the material name according to this public standard must be entered
Please report the correct symbol according to ISO 18064 for thermoplastic elastomers	If the material is described in a public standard, or if the nomenclature for materials of a certain type is described in the public standard ISO 18064 for thermoplastic elastomers, then the material name according to this public standard must be entered
Please report the correct symbol according to ISO 1629 for elastomers	If the material is described in a public standard, or if the nomenclature for materials of a certain type is described in the public standard ISO 1629 for elastomers, then the material name according to this public standard must be entered
Please report the public norm according to ISO 1629 for elastomers on material level xxx;	This entry is mandatory if the material is described in a public norm
Please report the public norm according to ISO 1043 for thermoplastics on material level xxx;	This entry is mandatory if the material is described in a public norm
Please report colored thermoplastics and masterbatch according to Rec001 on material level xxx;	Please follow Rec001, section 5.1 for (Highly) Confidential Substances in Plastics Masterbatches
Please report fillers according to ISO 1043-2 on material level xxx;	Fillers such as glass fiber (GF) must be specified
Please report colored elastomers analogously to colored plastics on material level xxx;	Please follow Rec001, section 5.1 for colored elastomers

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Please report auxiliary and coloring materials for plastics on material level xxx;	Please note that color pigments must always be added and must be reported
Please report the correct classification for thermoplastics - (un)filled on material level xxx;	Please make sure that the correct classification for plastic is selected, see Rec001 Annex I
Symbols on the material level and basic substance do not match on material level xxx;	If a filler is specified in the symbol, this must also be reported in the ingredients section
Metal	
Incorrect metal material name on material level xxx;	Do not use trade names or other not related material names. Material names must be reported in English
Incorrect or missing material number on material level xxx;	This entry is mandatory if a material is described in a public norm
Missing material surface treatment on component level xxx;	Please check whether the surface protection was not specified when using unalloyed steels
Please use materials manufactured according to a public standard supported by IMDS Steering Committee or Stahl- und Eisenliste	Use of own materials instead of published standard materials

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