

## Central Purchasing

# Information about Creating IMDS Material Data Sheets for MAGURA

## 1 What is IMDS?

The IMDS (International Material Data System) is an archival and management system in the automotive industry, on the basis of which a material data sheet is created, where all materials and chemical components used in the specific part are named, as well as all necessary data are recorded, which are needed for a subsequent recycling of the specific part.

The IMDS was jointly developed by the company Audi, BMW, Daimler-Chrysler, Ford, Opel, Porsche, Volkswagen and Volvo. Other car manufacturers have now joined this system.

Automobile manufacturers and suppliers are required by national and international laws, standards, norms and regulations for data delivery.

If any of our suppliers should not be able to provide us with IMDS data for the supplied components or materials, he is committed to inform us, and is obliged to deliver comparable detailed data (weight, CAS numbers, etc.) of the individual ingredients.

## 2 Purpose

This working instruction summarises the specific requirements of MAGURA for creating material data sheets (MDS) in the International Material Database System. The statutory provisions and the general rules on creating material data sheets as defined in the IMDS recommendations shall not be affected.

## 3 Information about creation

Material data sheets are mandatorily required for fulfilling statutory requirements. The lack of accepted data sheets may endanger the registration of vehicles on the part of our customers.

### 3.1 Creating and sending MDSs

In the context of the initial sampling procedure, the supplier is obliged, pursuant to the purchasing conditions, to send material data sheets via the IMDS to MAGURA. Final material data sheets are to be sent to MAGURA between receipt of the order and initial sampling at the latest.

### 3.2 Revising MDSs

If the weight or ingredient composition of a part changes subsequently so that it is no longer within the tolerances defined in the original MDS, the MDS has to be revised correspondingly.

### 3.3 Sending MDSs

When sending MDSs, use the option "Send" instead of the option "Propose". Please do not release the data sheets internally in advance.

If you have to copy a data sheet already sent to us, please do not create a copy with new IMDS ID. Instead, use the option "Create new version".

## 4 Formal requirements

The following formal requirements are to be fulfilled to ensure necessary data reconciliation with the internal systems of MAGURA. Necessary data is to be entered in the relevant recipient-specific fields as follows when sending or proposing the MDS.

### 4.1 Part number

The part number is a 7-digit number without separators. The part number is indicated in the order or the drawing.

- Example: part number: 0123456

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### 4.2 Designation

Has to be identical to that on the order or the drawing of MAGURA. For standard parts, the standard and nominal measures are to be indicated following the MAGURA designation.

- Example: designation: Hexagonal bolt DIN EN1662-M8x45-F-10.9

### 4.3 Drawing number

Entry of the first 3 or 4 numbers/letters before the point of the model number indicated in the order or the drawing.

- Example: drawing number 1143.51-01.1                      Entry: 1143

### 4.4 Change number

In the change number field the change number must be entered in accordance with the details of the order or drawing. This is until 31.10.2008 a 6-digit combination of numbers and digits.

- E. g.: Change Number: 07A503

From 01.11.2008 the change number is a counting number and must be entered as such.

- E. g.: Change Number:1234

### 4.5 Sample report number

Here, the number of the supplier's initial sample report is to be entered.

### 4.6 Supplier number

The MAGURA supplier number is to be entered into the relevant field. It is a 5-digit number without any blanks.

- Example: supplier number: 99999

## 5 Concentration and tolerance data

When assessing an MDS in respect of the pure substance content, we assume that the maximum content indicated by the supplier is contained in the material.

Tolerance data about concentrations and weights should only be used in order to describe actual variations. The maximum permissible tolerance range is +/- 5%.

## 6 Entry in initial sample reports

For initial sampling, the initial sampling inspector needs the IMDS ID, including a version, of an accepted material data sheet. Enter this number in the initial sampling report in accordance with the following example: 12345678/1. In case of missing IMDS entries, the ISIR result will be granted under the limitation of "approval, but correction necessary"!

## 7 Additional notes and contact information

If you have any questions feel free to ask the MAGURA IMDS-Team. You can contact us as follows:

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If you contact us, please state your companies IMDS-ID. The MAGURA IMDS-ID is: 21743.