

1. Preamble

During the product-and process release procedure the supplier has to submit a Material Data Sheet (MDS) for all parts planned to be delivered to WABCO. The MDS should contain a description of all substances with their volumes.

WABCO expects that the supplier will use the International Material Database System (IMDS) to create the MDS. The IMDS is a data base system, designed to convert customer requirements by taking into consideration the legal requirements written in the *EU-specification for the handling with old cars*. The usage of the IMDS replaces totally the written form of the MDS.

The operating instruction describes the requirements of all WABCO companies to their suppliers by using the International Material Database System.

You will be linked to IMDS by using the following Internet address

www.mdsystem.com



Here you can ask for further information (registration, how to use the system)

Registration is prerequisite to get access to the system.

2. Material Data Sheet

The MDS have been designed to be used from all employees in each WABCO company. The WABCO locations have been brought to the IMDS system as organisation units, covered by the name „WABCO GmbH & CO OHG“.

In the following WABCO specific issues by using the IMDS are described. General Information should be taken out of the system.

2.1. Receiving address

MDS has to be submitted without any exception to the following address.

WABCO GmbH & Co. OHG
Company-ID: 1172

WABCO part numbers have 10 digits without any blank or separator.

Company data

Recip. Status: edit mode

Recipient:	WABCO GmbH & Co. OHG	
Part/Item No.:	<input type="text" value="4213554534"/>	
Description:	<input type="text" value="Test-Part"/>	
Drawing No.:	<input type="text" value="4213554534-607"/>	
Drawing dated:	<input type="text" value="A / 2002-07-21"/>	
Drawing Change Level:	<input type="text"/>	
Report No.:	<input type="text" value="37-2002"/>	
Date of Report:	<input type="text" value="2002-08-06"/>	(MM/DD/YYYY)
Purchase Order No.:	<input type="text"/>	
Bill of Delivery No.:	<input type="text"/>	
Supplier Code:	<input type="text"/>	
Reason for denial:	<input type="text"/>	

Change

Cancel

2.2. Substances

2.2.1. Calculation of volume

The IMDS requires the calculation of the weight per part. The actual weight is the average of 10 different measured parts. If the weight of one part is less than 50N we ask for the average of a lot of 100 parts.

The capability has to have a precision of $\text{min. } 10^{-3}$ of the expected weight per part.

The IMDS calculates out of the volume of each substance an actual single weight. It is not allowed to have a greater difference than 3% between the calculated and the measured weight.

2.2.2. Handling of Joker

The usage of a Joker (e.g. OTHERS) should be avoided.

If a MDS has been accepted and the supplier has used a Joker WABCO reserves for himself to decline the MDS in cases of changed legal or customer requirements. The supplier will be asked for a redesigned MDS.

2.2.3. Surface treatment

If there is a surface treatment on the product (e.g. varnish, galvanise), the volumes of the substances have to be calculated and recorded (see the following example)



You will get support how to calculate the volumes in the IMDS chapter FAQ.

The composition of standard processes of surface protection are available as MDS, created by IMDS-Committee (call as supplier). These MDS should be used preferably. If you created a new, you have to detail the MDS in a similar way like the given.

Remark: You do not have to record substances which are not part of the surface treatment after production (e.g. solvent, catalyst)

2.2.4. Lead in soldering points

According to the EU-specification for the disposal of cars the maximum volume of lead in soldering points is about 60g/vehicle (Release 07/02). Therefore the volume of the added used solder-tin has to be recorded separately (see example enclosed)



2.2.5. Recyclate information

The supplier is not asked to answer questions to Recyclate. We recommend to answer it as an option.

3. Information/status of receiver

If the supplier has submitted a MDS, WABCO will be informed about the regulation terms by receiving an initial sample report. The date of release (date on which the information has been sent to WABCO), the ID-number of the supplier as well as the ID-number of the MDS has to be recorded in the material data sheet.

WABCO part number → supplier number → ID number of the IMDS designed and reproducible.

The MDS could be accepted or rejected by the functionality of the IMDS. In case of disapproval WABCO will add a short information with the reason for rejection into the IMDS.

According to the negotiation with the supplier WABCO will send back the cover sheet of the ISIR.

4. Changes of MDS

If you want to change a data-set of the MDS in the IMDS, you have to copy the old one, do the changes and archive the new one. The old version will be archived to in the IMDS and because of the release counter we have always a complete documentation of the history.

MDB und Modulsuche

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