

# IMDS Guide

## What is actually ... IMDS ?

The **IMDS** (International **M**aterial **D**ata **S**ystem) is an archive and administration system of the automotive industry, and basis out of which a material data sheet can be created. All materials used and proportionate material components are named for the component and all necessary data is recorded, which are necessary for the subsequent recycling of the vehicle.

The IMDS is a development of companies like Audi, BMW, Daimler-Chrysler, Ford, Opel, Porsche, Volkswagen and Volvo and others.

Automobile manufacturers and suppliers are obliged to submit data by national and international laws, standards, norms and regulations.

The following data input instruction helps with the correct creation of an IMDS data sheet:

### 1. Purpose

These input instruction serves as a guide for the professional creation of an IMDS material data sheet (MDS). This guide is intended to help our partners and suppliers to meet all the requirements of the automotive industry as well as the specific needs of our company.

Adhering to this guide will ensure a quick and hassle-free exchange of data.

### 2. Creation of a material data sheet (MDS)

The provision of IMDS data is part of the initial sampling.

The ID number of the MDS must be specified on the cover sheet for the initial sampling.

The IMDS system is an internet-based database. Registration and use of the IMDS system and the services associated with this system are free of charge.

You can find more information about the IMDS system and registration at the Internet address: [www.mdsystem.com](http://www.mdsystem.com)

Klicken Sie **hier** für weitere Informationen

Anmeldung | Neu im IMDS? | IMDS Informationsseiten | IMDS Advanced Solutions

**WILLKOMMEN** IM INTERNATIONALEN  
**MATERIAL DATEN SYSTEM**

Das IMDS (Internationales MaterialDatenSystem) ist das Materialdaten-System der Automobilindustrie. Es ist eine gemeinsame Entwicklung von Audi, BMW, Daimler, DXC, Ford, Opel, Porsche, VW und Volvo. Weitere Hersteller sind dem Verbund inzwischen beigetreten, wodurch sich IMDS zum globalen Standard entwickelt hat, der von fast allen global agierenden OEMs genutzt wird. Außerdem werden mit weiteren Herstellern Gespräche über die Teilnahme im IMDS geführt. Im IMDS werden alle Werkstoffe, die bei der Herstellung von Autos verwendet werden, gesammelt, gepflegt, analysiert und archiviert. Durch die Nutzung des IMDS ist es möglich, die Verpflichtungen zu erfüllen, die Automobilherstellern und deren Zulieferern durch nationale und internationale Standards, Gesetze und Regelungen entstehen.



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## 2.1 Structure of an MDS

The structure of an MDS, as well as all other information required for the creation and sending of MDSs, is regulated in the guidelines of the IMDS Committee.

These so-called IMDS recommendations are available to the user after logging into the system under the "Guidelines" item.

**MDS - MATERIALDATENSYSTEM**

**Richtlinien**

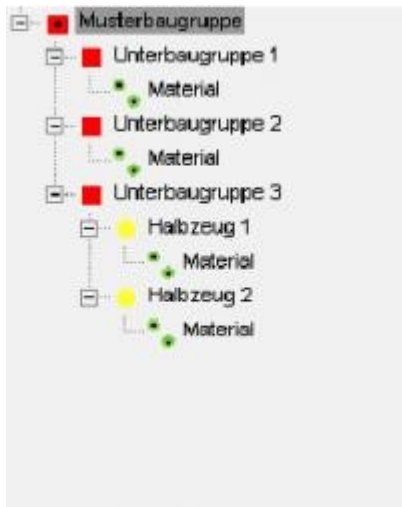
Version:  18.01.2022

Datum	Letzte Änderung	Nummer	Titel	Datum	Download
27.01.2003	02.08.2012	IMDS 001	General Structure	02.08.2012 -	001 [pdf] (Englisch)
16.02.2010	19.05.2021	IMDS 001a	General Structure Annex I	19.05.2021 -	001a [pdf] (Englisch)
26.02.2003	15.02.2007	IMDS 002	"Flat Bill of Material" (FBOM)	15.02.2007 -	002 [pdf] (deactivated) (Englisch)
01.10.2003	06.09.2011	IMDS 003	Rubber (Elastomer) Material Compositions	06.09.2011 -	003 [pdf] (deactivated) (Englisch)
26.02.2003	30.07.2020	IMDS 004	Textiles	30.07.2020 -	004 [pdf] (Englisch)
26.02.2003	10.11.2017	IMDS 005	Leather	10.11.2017 -	005 [pdf] (Englisch)
11.08.2004	15.10.2010	IMDS 006	Automotive Lubricants	15.10.2010 -	006 [pdf] (deactivated) (Englisch)
19.02.2003	10.11.2017	IMDS 007	Steel Flat Products (strips and sheets), Metallic Coated (hot-dipped or electrolytically)	10.11.2017 -	007 [pdf] (Englisch)
19.02.2003	10.11.2017	IMDS 008	Electroplated (electrolytically deposition) fasteners	10.11.2017 -	008 [pdf] (Englisch)
19.02.2003	10.11.2017	IMDS 009	Components with electrolytically deposited coatings	10.11.2017 -	009 [pdf] (deactivated) (Englisch)
08.09.2003	06.09.2011	IMDS 010	Plastic Material Compositions	06.09.2011 -	010 [pdf] (deactivated) (Englisch)
26.02.2003	06.03.2020	IMDS 011	Nonmetallic Coatings	06.03.2020 -	011 [pdf] (Englisch)
08.08.2004	10.11.2017	IMDS 012	Automotive Sealers and Adhesive Products	10.11.2017 -	012 [pdf] (Englisch)

Die obigen Datumsangaben beziehen sich darauf, wann eine freigegebene oder geänderte Richtlinie auf dieser Seite publiziert wurde. Leichte Abweichungen zu den Angaben in den PDF-Dateien sind daher möglich.

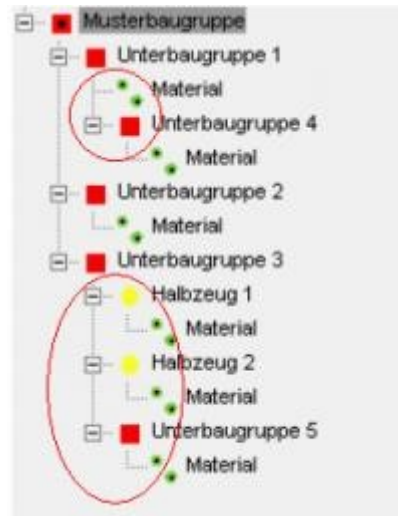
Only the same symbols are allowed on a level.

**Correct:**



**Not correct:**

(Different symbols on one level)



## 2.2 Creating a component (red square)

A component consists of at least one semi-finished product (yellow circle) or one material (two green circles) or other components.

The following points are particularly important:

- If available, the materials provided by the "IMDS Committee" or "Steel and Iron List" should be used. This applies above all standardized metals.

Example of a correct designation of the components or semi-finished products:



- The specified weight tolerance should reflect reality and be the result of multiple measurements. The maximum tolerance for the weight information is 10%.

- If a component consists of one or more materials, the question “Does the material contain recyclates” must be answered for the material. An unanswered recycle question represents a reason for rejection.
- If a component contains polymer materials, the question "Marked as polymer materials" appears. This question must be answered. An unanswered question or a question answered with "No" leads to the rejection of the MDS.

### **2.3 Creating a semi-finished product (yellow circle)**

A semi-finished product consists of at least one material or other semi-finished products. The permitted tolerances depend on the proportion of materials/ semi-finished products from which the semi-finished product is made.

### **2.4 Creating a material (two green circles)**

A material consists of at least one pure substance or other materials.

The following points are particularly important when creating a material:

- When creating a material, it is important to ensure that the correct material classification is selected right from the start.
- The name of the material and the trade name must not match.
- The tolerances given above for materials and pure substances must be observed.
- The sum of all pure substances that have "confidentiality" may not exceed 10%.

## **3. Sending an MDS**

As soon as you "add" a new recipient in the "Information recipient status" window, the "Company data" window opens automatically.



In the "Company Data" window, the following fields must be properly filled in for the MDS to be accepted.

- "Part /Item no.:" Voith material item number (not drawing number!). The 9 or 11 (H93325510 / 15300048010) digit Voith article number must be entered in this field without spaces, periods or other special characters.
- The **designation** must be entered in **English** or **German**. Since geometric information has no meaning in the IMDS system, it can be omitted in the designation.
- If a drawing is available, the fields "**Status/Date**" Drawing number and "**Change no. (6 digits)**" must be filled out.

Rev.	Iss.	Revision-No.	Rev. descr. (shop and eng. info only)	Index	Date: draw.	Name	Check.	Dimension	Tolerances	Defin.	Material	Scale of orig.	Mass	Blank-No.			
01	1x	282335			20-09-16	niris	psa				DIWA	1:1	0,030 kg				
											Language	DE	Released for internet	F			
											Charaters	ISO 13715	Gen. Tolerances	ISO 2768-mt-E	Surface quality	% in µm	
											ISO 14405	ISO 1302	Material				
											Draw.	2015-11-26	niris				
											Check.	2015-11-26	psa				
											Appr.	ImdGm	APP	bauehr			
											Stand.						
											<b>VOITH</b>		Drawing No. / Decu-No.		3150-000363		
											Title		Gleitplatte		Sheet		
													Schmiernut geschlossen		1		
											Drawing No. / Decu-No.		3150-000363		of		
											Mater. No.		15001713401		1		
											Mater. No.				1		

- If it is an initial sample, the fields "sample report no ." and "sample report date" must be filled out.

- **"Supplier No."** (=Voith creditor number): Your supplier number must be entered in this field.
- **"Forwarding allowed": "Yes "** must be ticked here in order to be able to accept the MDS.

The MDS supplier is responsible for the accuracy of the information provided.

### The IMDS IDs for Voith are as follows:

Firmenname	Org.-Einheit	ID	PLZ ▲▼	Ort
J.M. Voith SE & Co. KG   VTA	J.M. Voith SE & Co. KG   VTA	627	89522	Heidenheim an der Brenz
J.M. Voith SE & Co. KG   VTA	Produktgruppe Bus Drive Systems - ara	77547	85748	Garching
J.M. Voith SE & Co. KG   VTA	Produktgruppe Driveline - ard - Retarder	77546	85748	Garching
J.M. Voith SE & Co. KG   VTA	Produktgruppe Driveline - ard - VIAB	80753	85748	Garching
J.M. Voith SE & Co. KG   VTA	Produktgruppe Engine Components	169747	85748	Garching
J.M. Voith SE & Co. KG   VTA	Voith Austria product line E-Bus	207773	3100	St. Pölten
J.M. Voith SE & Co. KG   VTA	Voith Turbo Power Transmission (Shanghai) Co., Ltd	125785	201108	Shanghai
J.M. Voith SE & Co. KG   VTA	Voith Turbo Private Limited	181699	500 076	Hyderabad

In case of doubt, the Voith main ID can always be used.

The Voith main ID is 627.

## 4. Updating an MDS

An MDS must be updated by the supplier independently and without being asked as soon as one of the following changes occurs:

**Change in weight:** The change in weight is relevant when it no longer falls within the specified tolerances.

- **Changes in materials:** We must be informed of any change in materials and, if necessary, clarified with us.
- **Legislative change :** All substances not indicated by a "joker" must comply with the legislation. A joker must not contain any prohibited or declarable substances.

If an MDS is updated, the "Create new version" option should be used when copying.