

I. General information

1. In order to fulfill the requirements of national and/or international environmental regulations, such as the EU End-of-Life Vehicles Directive (2000/53/EC), automobile manufacturers are obliged to document all materials fitted in a vehicle.

This legal obligation is passed on by the automobile manufacturers to their suppliers, who are responsible for correctly entering the material specifications of their products in the IMDS system. In order for the MAHLE Group ("MAHLE") to fulfill this obligation as a supplier, MAHLE expects its suppliers to enter the relevant data in the IMDS system. We refer to section 7 of the "General Terms and Conditions of Purchase of the MAHLE Group" and section 1.3.2 b. of MAHLE's "Master Purchase Agreement", which include this obligation.

2. MAHLE's suppliers are thus obliged to enter the data for all purchased parts in the automotive sector (for passenger car and commercial vehicle applications) into the IMDS system under the relevant MAHLE part number (material number). MAHLE checks this information for correctness and then approves or rejects it.

As the originator of a record in the IMDS system is legally responsible for the correctness of the content, MAHLE does not upload the data to the IMDS system for its suppliers. We would ask for your understanding in this matter and would also advise our suppliers not to enter data for subcontractors, on the basis of the information provided by them, in the IMDS system.

The IMDS data entered in the IMDS system must always be consistent with the recommendations issued by the IMDS Committee. The supplier must enter the correct IMDS data in the IMDS system unprompted by the time of presentation of the initial sample. In the event of resampling, a new, updated version of the existing material data sheet (MDS) in the IMDS must be sent to MAHLE.

3. Each supplier is responsible for timely provision of its data, i.e., the supplier must consult the IMDS system, independently and in good time, to check whether its MDS has been accepted or rejected. In the IMDS, MAHLE specifies the reasons leading to rejection of the MDS. The supplier corrects the MDS promptly and sends it to MAHLE again through the IMDS.

Without the MDSs accepted by MAHLE, the sampling is rejected and the supplier is not granted series production approval.

MAHLE in turn makes the full IMDS record available to its customers and only grants approval for series supply once the data has been accepted by the customer.

4. You can obtain further information on the IMDS at: www.mdssystem.com

II. Guidelines for creating the MDSs in the IMDS

MDS types: For products for which machining takes place later at MAHLE, the "Semicomponent" MDS type should be used. For all other products, use the "Component" type, unless it is a material.

Ingredients: The supplier is responsible for ensuring that its entries are correct. This means that **ALL** components and materials remaining in the product until the end of the product's life must be indicated. This includes coatings (if they are not used to protect against corrosion or as a lubricant), and cast-in parts and materials not visible from the exterior.

Materials used: For *standard materials*, the entries from the IMDS Committee [ID:423] or the "Stahl- und Eisenliste" (Steel and Iron List) [ID:313] should be used.

If *special materials* are used, these must be identified as such. If specifications or technical delivery specifications (TLV) exist, these must also be indicated. The material names must be meaningful, example: "martensitic steel". Trade names or generic names such as 135K or HK123 are not permitted.

Descriptions: All descriptions should be provided in *English* only. The same applies to the components contained in the product. (The relevant language may be added.) If the product has a *MAHLE commercial name*, this must also be indicated (e.g.: Ferrotherm® Kolben / Ferrotherm® piston).

Details under: Recipient data → Company data

Part/Item No.: Under "Part/Item No.," the *MAHLE part number* should be entered in full, using the correct format. (Unless otherwise specified: include zeroes and letters but omit spaces and dashes.)

Drawing No.: When entering the *MAHLE document number* ①, please also ensure that you use the correct format.
(Unless otherwise agreed, keep to the format: xxxx-xxxxxxx-xxx.)

Drawing dated: Here you should enter the *version* ② and the last *date* ③ recorded on the drawing. Example: 01 / 03/15/2011

Drawing Change

Level: Enter the number of the last recorded change ④. If no changes have been recorded on the drawing, this field can be left blank. Example: 1041032088

		Kolben 84,000 mm Piston			
D-70376 Stuttgart Schutzvermerk DIN ISO 16016 beachten consider protection notice DIN ISO 16016		Buero depart.	Dok.-Art doc. type 101	Teildok. doc. part 000	Reifegrad design level 5
Start start 11.02.2010	Verant. resp.	Dok.-Nr. doc. no. 3010-20060378-010			Version version 01
Fert. fin. 12.02.2010	Erst. gen.				

vers. N°	change no. mod.	change description modification	date	generated dessine	depart. depart.
01	1040718425		2010.03.02		POEDG
02	1040798765		2010.06.10		POEDG
03	1041032088		2011.03.15		③

④

Report No.

and Date of Report: Use the number and date of the *initial sample report*, if this information is already known.

Purchase Order No. and

Bill of Delivery No. can be left blank.

Supplier Code:

For engine components in Europe (ID 113892): Enter the *DUNS number* as the Supplier Code. If you do not yet have a DUNS number, the MAHLE supplier number can be used on an interim basis. This number can be requested for each plant from Dun & Bradstreet. (<http://www.dnb.com/>)

For filter components (ID 234): Enter the MAHLE supplier number as the Supplier Code.

Forwarding allowed: Please allow forwarding.

If you have any questions regarding our IMDS requirements, please contact:

For engine systems and components:

Norbert Bandl

E-mail: norbert.bandl@mahle.com

For filter systems:

Nada Urank

E-mail: nada.urank@at.mahle.com