



# Huf Corporate Supplier IMDS Manual

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CIM Rev. 01

... the **intelligent**  
**touch** to cars.

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## **Approval**

Velbert, November 14<sup>th</sup>, 2016

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## 0. Change Description

November 14th, 2016 (Revision 01):  
First release of CIM.

## 1. Objective

This manual aims to define the specific IMDS requirements of the Huf Group. This document is not aimed to be a full set of rules, how the detailed IMDS work should be performed.

The Automotive industry established the IMDS software in 2001 as the data collection and evidence tool for product related environmental compliance. Following the complete automotive value chain, the material information is provided from the material manufacturer to the OEM.

Usually IMDS is linked to the initial sampling process. In specific cases Huf also requires so called "Preliminary MDS" at an earlier stage. Furthermore we reserve the right for special IMDS requests, as described in chapter 4.3.

The absence of accepted "Final MDS" endangers...

- the environmental approval at Huf and
- the approval of the initial sample to Huf .

In accordance with the IMDS terms of use the collected data sets can further be used for other purposes, such as...

- the Product related environmental analysis at Huf
- other reporting systems of our customers (e.g. CAMDS).

## 2. Area of Applicability

This guideline is valid for all suppliers delivering production materials to the Huf Group. It does not cover supplies within the Huf Group.

The suppliers are required to consider this guideline in their supply chain, too.

## 3. Definitions and Explanations

(in order of appearance)

**IMDS** (International **M**aterial **D**ata **S**ystem): Internet based material data collection and evidence tool for the whole automotive value chain.

**OEM** (**O**riginal **E**quipment **M**anufacturer): A usual abbreviation for car manufacturers.

**MDS** (**M**aterial **D**ata **S**heet): Material data sheets within IMDS.

CAMDS (China Automotive Material Data System): Internet based material data collection and evidence tool for a significant amount of Chinese car manufacturers. CAMDS and the related processes appear to be very similar to IMDS.

Final MDS: Full material declaration in IMDS format.

Preliminary MDS: Preliminary MDS in accordance with IMDS recommendation 023.

SOP: Start Of Production.

GADSL (Global Automotive Declarable Substance List): Global standard, which includes declarable and restricted substances for finished materials and parts in the Automotive value chain. This list does not include substances, which are used in process-related materials solely.

Chemistry Manager function: Software function within IMDS. This function can be used in addition to the usual IMDS data collection process, in order to collect material compliance information for specific laws.

## **4. Proceedings and Procedures**

### **4.1 Introduction**

#### **4.1.1 Suppliers responsibilities**

The suppliers are responsible, that the Huf Group is provided with acceptable MDS on time. This process includes appropriate user nomination, the related data collection and finally the correct data submission to Huf according to this standard.

Furthermore the suppliers are required to actively support special IMDS requests, e.g. specific requests by customers of the Huf Group.

#### **4.1.2 User nomination**

The IMDS users should have the following qualification:

- Regular experience in IMDS material data reporting or
- appropriate training.

Huf can support with the selection of an appropriate training.

## **4.2 MDS submissions to Huf**

### **4.2.1 Timing of MDS submissions**

#### Final MDS

The data creation process shall start directly after the nomination by Huf. Acceptable final MDS must be sent to Huf as soon as possible. The latest submission date is for initial sampling to Huf at the very latest.

#### Preliminary MDS

Preliminary MDS must be sent to Huf on demand. The date is approximately 10 months before Huf SOP.

#### MDS revisions

A revision of the MDS must be done, when the part revision status changes. Exceptions are:

- There was no material change in the part and
- the weight of the part has not changed.

### **4.2.2 Parts supplied to different Huf companies**

MDS submissions for parts, which are supplied to different Huf companies, must be sent to the first initial sampling company. Usually all the other Huf companies should be able to find and use MDS, once accepted by the initial sampling company. But this cannot be 100% guaranteed and double sending may not be avoided in some cases.

### **4.2.3 Technical acceptance criteria for MDS submissions**

#### GADSL

The parts must fully comply with the substance restrictions defined in the GADSL.

#### IMDS application codes

The IMDS application codes must be correctly selected.

#### Marking of polymer materials

Submissions, where the option “No” is ticked, will be rejected by Huf.

### **4.2.4 Formal acceptance criteria for MDS submissions**

#### IMDS rules and recommendations

The latest versions of the IMDS rules and recommendations have to be considered and met.

### Painted parts

A separate MDS for each colour type and Huf parts number must be submitted by the supplier. Exceptions must be agreed by Huf.

### Descriptions in the IMDS tree

The descriptions and free texts have to be given in English. Optional is the additional specification in the national language. E.g. German: Shaft / Achse.

### IMDS chapter 4 (recipient data)

- The correct organisation unit of Huf must be selected. Please also refer to chapter 6.1
- The correct part name, part number and part revision must be entered. This information can be found in the Huf order. These data sets are used to match up the IMDS approval with the initial sampling of the part
- Please always tick the forwarding allowed option.

An example for IMDS chapter 4 can be found in chapter 6.2.

## **4.3 Special IMDS requests**

### **4.3.1 Special MDS requests of Huf**

Special MDS requests are for example based on MDS requests of Huf customers, other than declarations in the context of initial sampling or Preliminary MDS. For instance these requests are done for very old parts (even before IMDS was founded), which have not been reported yet. Huf will check the appropriateness of these requests, before involving the suppliers. The suppliers are required to actively support special MDS requests of Huf customers.

### **4.3.2 Chemistry Manager requests**

The Chemistry Manager function allows any downstream user to request material specific information upstream in the supply chain. These requests should be handled by specific persons solely, which must be carefully selected and assigned by the suppliers.

Huf reserves the right to send out Chemistry Manager requests.

## **5. List of Supporting Documents**

- GADSL ([www.gadsl.org](http://www.gadsl.org))
- IMDS rules and recommendations
- IMDS terms of use.

## 6. Attachments

### 6.1 List of Huf Group IMDS organisation units

<b><u>Company</u></b>	<b><u>ID</u></b>
Huf Hülsbeck & Fürst GmbH & Co. KG	172725
HUF Electronics Düsseldorf GmbH	173846
HUF Electronics Bretten GmbH	173104
HUF Tools GmbH	173844
HUF UK Ltd.	173144
HUF Polska Sp Z o. o.	173140
HUF Portuguesa, LDA	173134
HUF España S.A.	173133
HUF Romania S.R.L.	173142
HUF do Brasil Ltda	173143
HUF Mexico S. de R.L. de C.V.	173139
HUF North America Automotive Parts Manufacturing, Corp.	173137
HUF North America Die Cast Corp.	173138
HUF India Pvt. Ltd.	173135
Yantai Huf Automotive Lock Co.,Ltd.	173845
Shanghai Huf Automotive Lock Co., Ltd	173847
Changchun Huf Automotive Lock Co.,Ltd.	173136
HUF Korea Limited	173141
Chongqing Huf Automotive Systems Co. Ltd.	174462

## 6.2 Example: Recipient Specific Data

**Details**

**Transfer Information**

Company

Organisation unit

Recip. Status edit mode

Supplier Code  ?

Name

Part/Item No.  ?

Transmission/Check Date not available

Forwarding allowed

**Drawing**

Drawing No.

Drawing dated  ← insert Part revision number, without date, e.g.: 001

Drawing Change Level  ?

**Purchase Order**

Purchase Order No.

Bill of Delivery No.

**Report**

Report No.

Date of Report  ?

**Legend:**

**Mandatory field - according to Huf Order**

Optional field

## 6.3 Exemplary MDS

**ZSB Ziehgriff Std.re**

- 1x Vergussmasse
  - 37.8g PUR
    - 96.0 - 98.0% PUR
    - Rest 1.3945% Further Additives, not to declare
    - 0.001 - 0.01% Dibutyltin-dilaurate
    - 1.5 - 1.7% Misc., not to declare
- 1x Griffkörper STD Links
  - 94.0g PA6 GF50
    - 46.0 - 48.0% PA6
    - 50.0% GF-Fibre
    - 1.0 - 3.0% Further Additives, not to declare
- 1x screw
  - 0.44g X3CrNiCu18-9-4
    - 0.0 - 0.04% Carbon
    - 17.0 - 19.0% Chromium
    - 3.0 - 4.0% Copper
    - 0.0 - 2.0% Manganese
    - 0.0 - 0.11% Nitrogen
    - 8.5 - 10.5% Nickel
    - 0.0 - 0.045% Phosphorus
    - 0.0 - 0.015% Sulphur
    - 0.0 - 1.0% Silicon
    - Rest 67.395% Iron
- 2x Schraube / screw
  - 0.2g X3CrNiCu18-9-4
    - 0.0 - 0.04% Carbon
    - 17.0 - 19.0% Chromium
    - 3.0 - 4.0% Copper
    - 0.0 - 2.0% Manganese
    - 0.0 - 0.1% Nitrogen
    - 8.5 - 10.5% Nickel
    - 0.0 - 0.045% Phosphorus
    - 0.0 - 0.03% Sulphur
    - 0.0 - 1.0% Silicon
    - Rest 67.3925% Iron
- 0.00167g Polyamide Powdercoatingsmaterial Blue

**Details**

**Common Information**

Type Component (own MDS)

ID / Version 598871255 / 0.01

Node ID 598871255

Node count 103

MDS Supplier Huf Hülsbeck & Fürst GmbH & Co. KG

Description ZSB Ziehgriff Std.re

Part/Item No. 14.769.500

Preliminary MDS No

**Dates**

Create Date 6/16/2016 ?

Release Date not available ?

Check Date 10/17/2016 ? Recommendation

**Amounts and Weights**

Measured weight per item 312.0 g

Calculated weight per item 311.98334 g

Deviation -0.00534% ?