

**IMDS**

**IMDS =**

**International  
Material Data System**

**Homepage: <http://www.mdsystem.com>**

# **IMDS**

## **Reasons for creating IMDS**

**Due to international and national environmental laws  
ALL MANUFACTURERS of products are responsible for  
the whole lifecycle of their products.**

**Detailed information about the constituent substances is  
necessary for recycling and for achieving a design, suitable  
for recycling**

# IMDS

## Systematics of IMDS

The IMDS is structurally similar to the former paperform of the material data sheet ( VDA expenditure 2, system 16: Substances contained in externally purchased parts). The IMDS replaces this sheet.

In comparison to the former method, not only the banned materials (Cr6 / Hg /...) have to be indicated.

Instead, all constituent substances have to be stated in the material data sheet (MDS) of the IMDS with a resolution of 1 gram or better

# IMDS

## The requirements for using the IMDS are:

1. **Personal Computer with internet access and installed Microsoft Internet Explorer, Version 5.0 or higher**
2. **Initial company registration over EDS Helpdesk\*,**
3. **Initial user registration,**
4. **User-ID and password available**

**Note: Initial company registration and use of the IMDS are free of charge.  
(Usual Internet fees only)**

\*[imds-eds-helpdesk@eds.com](mailto:imds-eds-helpdesk@eds.com) (öffentliche Seiten, Kontakte)

# **IMDS**

**This working instruction is intended to explain the initial registration and the creation of material data sheets (MDS).**

**On the following pages you find procedure for generating a material data sheet for an in-car lighting unit:**

## IMDS-Homepage: www.mdsystem.com

**Willkommen im Internationalen Material Daten System - Microsoft Internet Explorer von Lycos Bertelsmann**

Datei Bearbeiten Ansicht Favoriten Extras ?

Zurück Vorwärts Abbrechen Aktualisieren Startseite Suchen Favoriten Verlauf E-Mail Drucken Bearbeiten Diskussion BING000 Real.com

Adresse <http://www.mdsystem.com/index.jsp> Wechseln zu Links >>

**Hinweis / Note:**

**DE:** Bitte beachten Sie die Einträge unter Aktuell und FAQs auf den öffentlichen Seiten  
**EN:** Please be aware of News and FAQ entries in the public pages

**WILLKOMMEN IM INTERNATIONALEN MATERIAL DATEN SYSTEM**

- Adam Opel AG
- Audi AG
- Bayerische Motoren Werke AG
- DaimlerChrysler AG
- Dr. Ing. h.c.F. Porsche AG
- EDS
- Fiat Auto
- Ford Motor Company
- Volkswagen AG
- Volvo Car Corporation

Öffentliche IMDS-Seiten  
Public IMDS Pages  
(Systemzugang)

**Enter here for the registration preparation and for global information**

Fertig Internet

# IMDS

## Public Pages

**Material Data System - Microsoft Internet Explorer von Lycos Bertelsmann**

Adresse [http://www.mdssystem.com/html/en/home\\_en.htm](http://www.mdssystem.com/html/en/home_en.htm)

**MATERIAL DATA SYSTEM**

**HOME**

**Welcome to the International Material Data System**

The IMDS is the automotive industry material data system. It is a joint development of Audi, BMW, DaimlerChrysler, Ford, Opel, Porsche, VW and the Swedish firm Volvo. Fiat has recently joined the team and talks are being held with other car manufacturers regarding their participation in IMDS.

In the IMDS, all materials used for car manufacture are archived and maintained. Only in this way is it possible to meet the obligations placed on car manufacturers, and thus on their suppliers, by national and international standards, laws and regulations. As the accuracy of the IMDS data increases, the meaningfulness of ecological balance sheets also increases.

**Enter here for the registration preparation !**

# IMDS

## Form for announcing in „Contact“.

**Material Data System - Microsoft Internet Explorer von Lycos Bertelsmann**

Adresse [http://www.ndsystem.com/html/en/home\\_en.htm](http://www.ndsystem.com/html/en/home_en.htm)

**MATERIAL DATA SYSTEM**

**CONTACT**

Get in touch with us! If you have any questions about the system, training registrations, materials or basic substances, etc., contact one of our help desks by e-mail or phone. Furthermore, we appreciate your feedback and ideas.

If you would like to register for the IMDS, you may download the necessary [registration form](#) right here.

You may also contact members of the [IMDS steering committee](#) directly.

**IMDS Service Centers**  
EDS has established Service Centers in various countries.

In **Europe** you may reach us  
Monday through Friday, 8 a.m. to 4.30 p.m. (GMT+1) under  
+49 (0) 42152 56 666  
[imds-eds-helpdesk@eds.com](mailto:imds-eds-helpdesk@eds.com)

If you are situated in the **USA**, please direct your questions  
Monday through Friday, 8 a.m. to 5 p.m. (CST) to  
+1 765 854 65 01  
[imds-eds-helpdesk-nao@eds.com](mailto:imds-eds-helpdesk-nao@eds.com)

For **Fiat suppliers** an additional help desk with service in Italian was set up. You may reach it  
Monday through Friday, 9 a.m. to 6.30 p.m. (GMT+1) under  
+39 (0) 80 38 53 116

**Required for company and user registration**

**Send registration form to this address**

# IMDS

## Download of the form for announcing (Excel file)

**Material Data System - Microsoft Internet Explorer von Lycos Bertelsmann**

Adresse [http://www.mdssystem.com/html/en/home\\_en.htm](http://www.mdssystem.com/html/en/home_en.htm)

**MATERIAL DATA SYSTEM**

**REGISTRATION**

**Please read the following instructions carefully before filling out the registration form!**

After you have read the instructions, please check the field "I would like to register". This will open an Excel document in a separate window.

**Download**

- Using *File->Save As...*, to store the registration form locally onto your hard drive, e.g. c:\temp.
- Please send the completed form to the [IMDS Boarding Center](#) for processing.

**I would like to register.**

If you have any questions, please contact our [IMDS Service Center](#).

**check box and download form !**

# IMDS

## Fill out the Excel form: Company log-on

http://www.mdssystem.com/html/en/Anmeldung\_en.xls - Microsoft Internet Explorer von Lycos Bertelsmann

Adresse http://www.mdssystem.com/html/en/Anmeldung\_en.xls

New		Change	Company name	Street	Zip-Code	City	P.O. Box/Mail Stop	Country	Name of the requester
X			Musterfirma	Wallstreet	20013	Berlin	1456	Germany	Peter Smith

**Handling Notes (to be completed by EDS)**

Received RMC:	
Submitted to steering committee:	approved:
Info to requester:	

Welcome | Definition of terms | **Company registration** | User registration

Unbekannte Zone

# IMDS

## Fill out the Excel form: User log-on

http://www.mdssystem.com/html/en/Anmeldung\_en.xls - Microsoft Internet Explorer von Lycos Bertelsmann

Adresse http://www.mdssystem.com/html/en/Anmeldung\_en.xls

**User registration / modification**

Fields marked **blue** are mandatory and must be filled. Fields marked **yellow** are selection fields ; at least one field must be chosen (X). Fields marked **grey** are optional. Fields marked **green** will be fillout by IMDS-EDS-Helpdesk.

**Company name:** [Redacted]

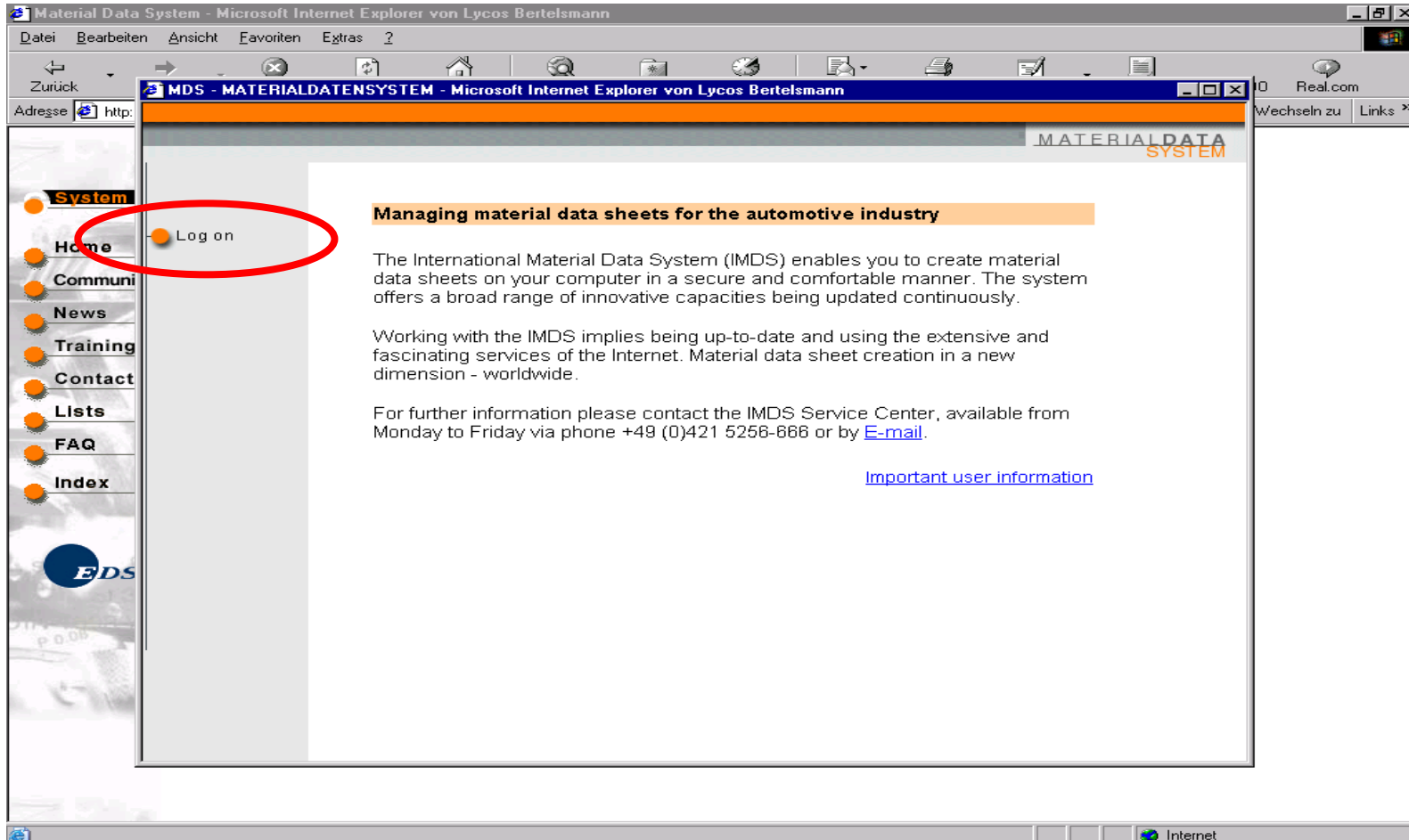
The company name is valid for all users to be registered/modified

	New	Change	Delete	ID	Password	Last name	First name	Department	P.O. Box/Mail Stop	E-MAIL Address	Te
8	X					Mustermann	Erika	QS		erika.mustermann@gmx.de	+49 42
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

Welcome / Definition of terms / Company registration / **User registration** / Unbekannte Zone

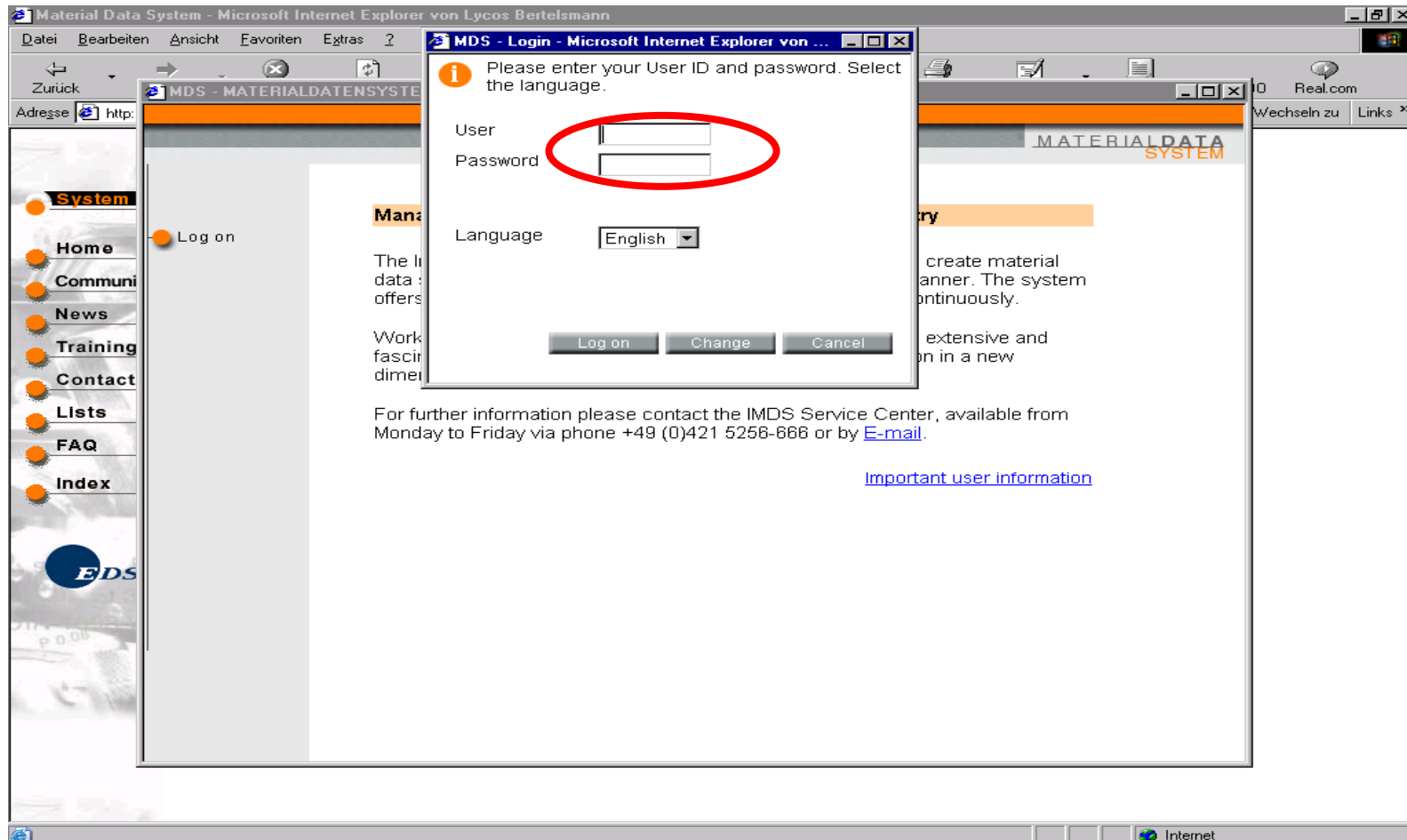
# IMDS

## IMDS Log-in: System access, log-on-procedure



# IMDS

## User-ID and password



# IMDS

## Example: „Creating“ a MDS

MDS - MATERIAL DATA SYSTEM - Microsoft Internet Explorer von Lycos Bertelsmann

MATERIAL DATA SYSTEM

- Create
- Search
- Analysis
- Sent
- Received
- Administration
- Messages
- Ford - Certification
- Log off

**Create a MDS**

Welcome to the IMDS

EDS

# IMDS

Example: Create a section, a semi-finished material, or a material



# IMDS

Example: Basic inputs for the part which have to be provided

MDS - MATERIAL DATA SYSTEM - Microsoft Internet Explorer von Lycos Bertelsmann

MATERIAL DATA SYSTEM

Ingredients  
Interieur Lamp 873111 / 0.01

Create MDS Ingredients

Expand Collapse Filter

Interieur Lamp

Type	Component (MDS)
ID/Version	873111 / 0.01
MDS Supplier	Hella KG Hella & Co
Description	Interieur Lamp
Part/Item No. (Author)	004 711-12
Measured Weight per Item	30 [g]
Tolerance	+/- 10 [%]
Calculated Weight per Item	0 [g]
Deviation	-100 [%]
Development Sample Report	<input type="checkbox"/>

Save Next

Enter correct designation

customer's part - no.

# IMDS

## Example: Look up material „PC“.

The screenshot displays the IMDS web application interface. The main window is titled "MDS - MATERIAL DATA SYSTEM - Microsoft Internet Explorer von Lycos Bertelsmann". The page content includes a navigation menu on the left with options like "Menu", "Create", "MDS", "Ingredients", "Security/environment", "Supplier data", "Recipient data", and "Log off". The main area shows "Ingredients" for "Interieur Lamp 873111 / 0.01". A search window titled "MDS and Module Search" is open, showing search criteria for "Component", "Semi-component", "Material", "Basic Substance", and "All MDS/Modules". The "Name" field contains the text "\*pc\*", which is circled in red. A red arrow points from this field to a text annotation: "Asterisk „\*“ for extended search (wildcard)". Other search fields include "Material-No.:", "ID-No.:", "Supplier:", "Origin:" (with radio buttons for "all", "own", "current", "accepted", "only Modules", "published"), "Version:" (with radio buttons for "current", "all"), "Trade name:", "Symbol:", "Norm/Standard:", and "Classification:". The "max. hits" is set to 25. Buttons for "Search", "Cancel", "Save", and "Next" are visible.

# IMDS

## Example: Add material „PC“

The screenshot shows the MDS - MATERIAL DATA SYSTEM interface in Microsoft Internet Explorer. The browser title bar reads "MDS - MATERIAL DATA SYSTEM - Microsoft Internet Explorer von Lycos Bertelsmann". The page title is "MATERIAL DATA SYSTEM".

The main content area is titled "Ingredients" and shows a tree view of the product structure for "Interieur Lamp 873111 / 0.01". The tree view includes:

- Interieur Lamp
- Lighthousing
- Polycarbonat as Makrolon
- PC (highlighted with a red circle)

An arrow points from the "PC" entry in the tree view to a text box containing the text "Material was taken over".

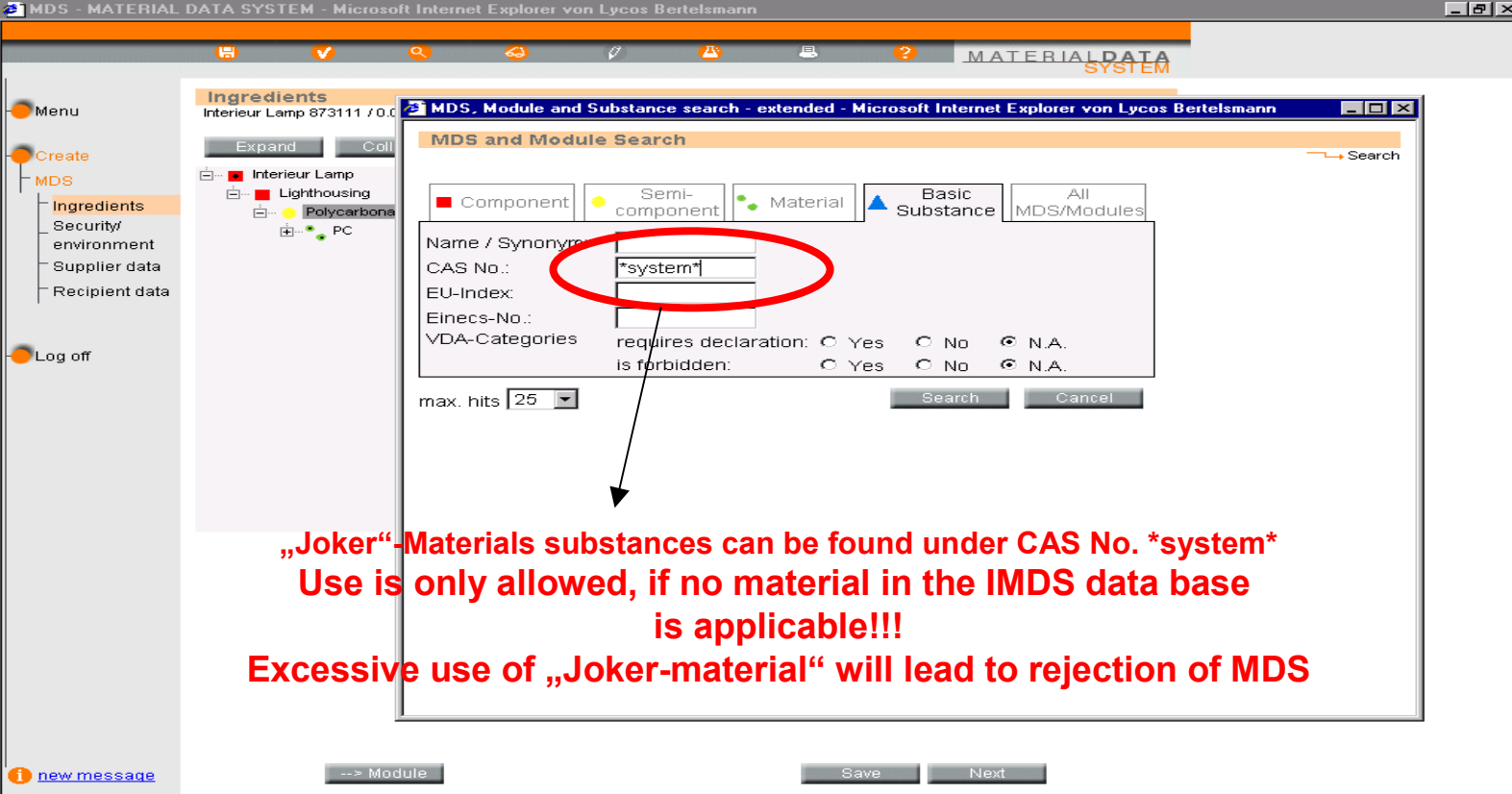
The right side of the interface displays the material details for "PC":

- Type: Material (MDS)
- ID/Version: 31444 / 0.01
- MDS Supplier: Hella KG Hueck & Co
- Name: PC (EN)
- Tradename: Makrolon VP KL (EN)
- Material No. Symbol
- Classification: Thermoplastics
- Norms/Standards
- Inhouse Norms
- Supplier: alternativ
- Remark
- Portion:  From 0 To 0 0[%]

Buttons for "Expand", "Collapse", "Filter", "Add. Sup.", "Save", and "Next" are visible.

# IMDS

**Example: If no suitable material is available please select „Joker“ (search for the substance \*SYSTEM\* in CAS No.)**



**„Joker“ Materials substances can be found under CAS No. \*system\***  
**Use is only allowed, if no material in the IMDS data base is applicable!!!**  
**Excessive use of „Joker-material“ will lead to rejection of MDS**

# IMDS

## Example: Select „Joker“ and take over

The screenshot displays the IMDS (Material Data System) interface within a Microsoft Internet Explorer browser. The main window is titled 'MDS - MATERIAL DATA SYSTEM - Microsoft Internet Explorer von Lycos Bertelsmann'. A search window titled 'MDS, Module and Substance search - extended - Microsoft Internet Explorer von Lycos Bertelsmann' is open, showing search results for 'MDS and Module Search'. The search criteria are 'none' and 7 records were found. The results are listed in a table with columns: No., Name, CAS No., EU-Index, Eines-No., Synonym, and VDA. The third record, 'Mineral Material', is circled in red. An arrow points from this record to the text 'Joker, e.g. „miscellaneous“'. The interface also shows a sidebar with navigation options like 'Menu', 'Create', 'MDS', 'Ingredients', 'Security/environment', 'Supplier data', 'Recipient data', and 'Log off'. At the bottom, there are buttons for 'Apply', 'View', 'New Search', 'Cancel', '--> Module', 'Save', and 'Next'.

No.	Name	CAS No.	EU-Index	Eines-No.	Synonym	VDA
1	Cannot be answered at the...	system	system	system	-	-
2	Further Additives	system	system	system	Additives	-
3	Mineral Material	system	system	system	-	-
4	Misc.	system	system	system	Misc.	-
5	not yet specified	system	system	system	-	-
6	Organic Ingredient	system	system	system	Natural Ingre...	-
7	Request/Hg/Cr6/Cd/Pb	system	system	system	-	-

Joker, e.g. „miscellaneous“

# IMDS

## Example: Lamp W5W added out of module search

The screenshot shows the IMDS interface with a search window open. The search window displays the following table:

No.	Name	Article No.	ID / Version	Supplier
1	W5W 12V 5W	00359416	165635 / 0.01	OSRAM Gr...

Red annotations and arrows indicate the following steps:

1. Search for modules (pointing to the search button)
2. Bulb „W5W 12V 5W“ found (pointing to the search result)
3. Take over into MDS (pointing to the Apply button)

# IMDS

## Example: Lamp W5W added

The screenshot displays the MDS - MATERIAL DATA SYSTEM interface within a Microsoft Internet Explorer browser. The main content area shows a hierarchical tree of ingredients for 'Interieur Lamp 873111 / 0.01'. The 'W5W 12V 5W' component is highlighted with a red circle. An arrow points from this component to a detailed data table on the right.

Ingredients	
Type	Component (MDS)
ID/Version	165635 / 0.01
MDS Supplier	OSRAM GmbH <input type="button" value="Add. Sup."/>
Description	W5W 12V 5W
Part/Item No. (Author)	00359416
Measured Weight per Item	1.34 [g]
Tolerance	+/- 1 [%]
Calculated Weight per Item	1.341 [g]
Deviation	0.074627 [%]
Quantity	<input type="text" value="1"/> Items

**Complete MDS of the bulb was inserted**

## Example: Contact spring added

The screenshot displays the IMDS web interface. On the left, a navigation menu includes 'Menu', 'Create', 'MDS', 'Ingredients', 'Security/environment', 'Supplier data', 'Recipient data', and 'Log off'. The main content area is titled 'Ingredients' and shows a tree view for 'Interieur Lamp 873111 / 0.01'. The tree includes 'Lighthousing', 'Polycarbonat as Macrolon', 'PC', 'WSW 12V 3V', 'Contact Spring' (circled in red), 'Spring steel', and 'Spring Steel Wire A DIN 17223'. The 'Contact Spring' item is expanded to show a list of elements: iron, manganese, carbon, silicon, copper, phosphorus, and sulphur. On the right, a form displays details for the selected 'Spring Steel Wire' material, including its name, classification, norms (DIN 17223), and a 'Portion' of 100%.

**Contact spring added. In addition, semi-finished material and material is required. Do not forget!**

## Example: Fill out security data page

MDS - MATERIAL DATA SYSTEM - Microsoft Internet Explorer von Lycos Bertelsmann

MATERIAL DATA SYSTEM

Menu

Create

MDS

Ingredients

**Security/environment**

Supplier data

Recipient data

Log off

**Security and environment**  
Interieur Lamp 873111 / 0.01

Create MDS Security

Note: Chapter 2 is optional.

1. Does the article contain dangerous substances according to German [ChemG/GefStoffV](#)?  
(characteristics acc. to GefStoffV and concentrations shall be listed under "Substances contained")  Yes  No
2. Can dangerous substances be formed or released under normal use or disposal of the article? (Please use for reference: VDA-List for Substances of Concern) (Fill in §10 of the EU safety data sheet)  Yes  No
3. Is the article a dangerous material acc. to Traffic(Transport) regulations? (fill in §14 of the EU-Safety data sheet)  Yes  No
4. Does the article contain water polluting substances acc. to Water Regulations? (Declare water classification and mass)  
WC   mg
5. Does the article contain Biocides? (Declare if content is > 0,1 %)  
Biocide Portion  %
6. Can the article - after it's use in service - be scrapped according to a European Waste Code?
7. Amount of contained recycleate - as released?  
 %
8. Amount of contained recycleate - as measured?  
 %
9. Amount of contained recycleate - post industrial recycleate?  
 g  %
10. Amount of contained recycleate - post consumer recycleate?  
 g  %

**Safety/environmental data sheet should be filled out. This sheet is at present still optional.**

# IMDS

## Example: Select partners

The screenshot shows the MDS - MATERIAL DATA SYSTEM interface in Microsoft Internet Explorer. The browser title is "MDS - MATERIAL DATA SYSTEM - Microsoft Internet Explorer von Lycos Bertelsmann". The page header includes "MATERIAL DATA SYSTEM". The left sidebar contains a menu with items: Menu, Create, MDS, Ingredients, Security, environment, Supplier data, and Log off. The "Supplier data" item is highlighted. The main content area displays the "Supplier data" form for "Interieur Lamp 873111 / 0.01". The form includes fields for Company (Hella KG Hueck & Co, Rixbecker Strasse 75, 59552 Linnstadt), Contact Person (undefined), Telephone No., Fax No., and Email address. The "Contact Person" dropdown menu is circled in red. Below the form, the text "Enter Supplier data (required to dispatch MDS)" is displayed in red. The form has "Back", "Save", and "Next" buttons at the bottom.

# IMDS

## Example: Searching for recipients

**Recipient of the MDS has to be selected.  
Recipient is the Hella KG factory obtaining  
the component / processing the first sample  
test report**

	Company Name	ID	zip code	City
1	<a href="#">Behr Hella Thermocontrol GmbH</a>	753	59557	Lippstadt
2	<a href="#">Hella Autotechnik</a>	559	78985	Mohelnice
3	<a href="#">Hella Electronics Corp</a>	1128	62839	Flora, IL
4	<a href="#">Hella Fahrzeugkomponenten GmbH</a>	4129	28199	Bremen
	<a href="#">e GmbH</a>	983	79677	Wembach
		523	59552	Lippstadt
	<a href="#">2 Elektronik</a>	4130	59552	Lippstadt
	<a href="#">4</a>	4132	59075	Hamm
	<a href="#">5</a>	4133	45663	Recklinhausen
	<a href="#">JH</a>	984	33106	Paderborn
	<a href="#">e GmbH</a>	2001	59552	Lippstadt
12	<a href="#">Regium Hella Mexico</a>	7095	72710	Puebla

## Example: Fill out Company information

**Recipient data**  
Interieur Lamp 873111 / 0.01  
MDS Status: Edit mode

No.	Recipient	Description
1	Hella KG Hueck & Co	Interieur Lat

**Company data - Microsoft Internet Explorer von Lycos Bertelsmann**

Company data

Recip. Status: edit mode

Recipient: Hella KG Hueck & Co

Part/Item No.: 744 744-00

Description: Interieur Lamp

Drawing No.: 004 711-12

Drawing dated:

Drawing Change Level:

Report No.:

Date of Report: (MM/DD/YYYY)

Purchase Order No.:

Bill of Delivery No.:

Supplier Code:

Reason for denial:

Change Cancel

**important:  
recipient's part no.**

**Please enter your drawing number.  
It does not have to be identical  
to the receiver's part no.!**

new message Back Add View Modify Delete Save

## Example: Checking MDS and error correction

The screenshot displays the IMDS web interface in a Microsoft Internet Explorer browser window. The main page shows 'Recipient data' for 'Interieur Lamp 8731111 / 0.01' in 'Edit mode'. A table lists recipient data with columns: No., Recipient, Description, Part/Item No., Drawing No., and Recip. Status. A 'Check Results' dialog box is open, listing several errors. The 'Correct' button in the dialog is circled in red. A red arrow points from the text 'Check MDS for errors!' to the check icon in the browser's address bar. Another red arrow points from the text 'Correct errors!' to the 'Correct' button.

**Check MDS for errors !**

**Correct errors !**

No.	Recipient	Description	Part/Item No.	Drawing No.	Recip. Status
1	Hella KG Hueck & Co	Interieur Lamp	744 744-00	004 711-12	edit mode

**Check Results**

Double-click to jump to the error.

- Warning: Interieur Lamp: The deviation between Measured Weight and C:
- Error: propylene-carbonate: No percentage specified!
- Error: PC: Sum of fixed values and range values too small
- Error: PC: No percentage specified!
- Error: Polycarbonat as Macrolon: Sum of fixed values and range values to
- Error: PC: The referenced datasheet is not internally released
- Error: Interieur Lamp: Contact must be specified

All existing errors need to be eliminated before any further processing may take place.

**Correct**      Check      Cancel

# IMDS

## Example: Transmitting MDS. Done !

MDS - MATERIAL DATA SYSTEM - Microsoft Internet Explorer von Lycos Bertelsmann

Recipient data  
Interieur Lamp 873111 / 0.01  
MDS Status: Edit mode

Send Propose Internal Publish

No.	Recipient	Description	Partit. No.	Drawing No.	Recip. Status
1	Hella KG Hueck & Co	Interieur Lamp	744 744-00	004 711-12	edit mode

Correct recipient's designation

Recipient's part no.

Drawing number does not have to be identical to the recipient's drawing/part number

Only transmitting if all specifications are correct !

Check inputs before sending !

Back Add View Modify Delete Save