

Summary of the JAMA/JAPIA Standard Material Datasheet version upgrade (Ver.2.14)

- This document is issued to supply information for JAMA/JAPIA Standard Material Datasheet version upgrade items. (Ver.2.14)
[Release date : October 1, 2011]
- The upgraded JAMA/JAPIA Standard Material Datasheet (Ver.2.14) can be downloaded from the JAPIA website (<http://www.japia.or.jp/>) after October 2011.
- The JAMA/JAPIA Standard Material Datasheet may be upgraded furthermore in the future.

October 1, 2011
Japan Auto Parts Industries Association
Product Environmental Committee

< List of upgrade items in Ver.2.14 >

File	Upgrade item	Upgrade content	Details
I. Data input form	1. Increase Integer digit of part weight and material weight	<p>For harmonization with IMDS, the number of digits (integer number) in following items are increased.</p> <p>[Object input item] DELIVERY PART weight (Item No.4) COMPONENT PARTS weight (Item No.10) MATERIAL weight (Item No.15)</p>	page 5
	2. Change error check function in material information	<p>For harmonization with IMDS data input rule of the public material (some non-Japanese countries standard), JAMA sheet start to accept the MDS data both “Material number” and “Material symbol” entered. Error check function of material data depend on VDA classification is changed.</p> <p>[Object input item] Material number (Item No.17) Material symbol (Item No.18)</p>	page 6
	3. Automatic delete unnecessary space	<p>JAMA sheet deletes unnecessary spaces (spaces before and after the data and just a space) automatically, at the timing of execution of “Export as XML”, “Export as CSV” and “Data check”.</p> <p>[Object input items] All items</p>	page 7

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File	Upgrade item	Upgrade content	Details
I. Data input form	4. Improvement of “Delete all” button function	Function of “Delete all” button is improved to match actual situation of most users.	page 8
	5. Possible to expand display area of “Data input form” using grouping	It is possible to expand the data input area of input form. Users can choose either the explanatory text or more input lines by clicking “+” or “-” button at the left side.	page 9
	6. Cover sheet	-“Version No.”and “Date”have been revised. -“Explanation of upgrade”has been added.	page 10
	7. Password	The password has been changed to open “Data input form”. (Regarding the password, please contact a requestor.)	-

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File	Upgrade item	Upgrade content	Details
II. External list	8. Material list MAT	<ul style="list-style-type: none"> -Revised contents in JIS about materials have been reflected. -Writing errors have been corrected. -It has been possible to input both “Material number” and “Material symbol” for the materials in non-Japanese standards or international standards. 	page 11
	9. Substance list IMDS_SUB	<ul style="list-style-type: none"> - IMDS BSL changes (addition, correction, and deletion) have been reflected. - Substance names (Japanese) have been revised. (Only for Japanese version) - The additional SVHC of REACH regulation have been reflected in the Substance list. (addition on June 20, 2011) 	-
	10. Application code list IMDS_APP IMDS_SUB_APP	<ul style="list-style-type: none"> - For harmonization with IMDS, the Application code of “Lead” have been revised. < Delete > 13 (Old code of Lead in solder) < Add > 63, 64, 65, 66 (Lead in glasses or ceramics, this code is separated from old code 16.) 	page 12, 13

I. Upgrade items for the Data input form

1. Increase Integer digit numbers for part weight and material weight

For harmonization with IMDS, the integer digit numbers for weight are increased.

In the past (Ver.2.13)				After upgrade (Ver.2.14)			
Item No.	4	10	15	Item No.	4	10	15
	DELIVERY PART	COMPONENT PARTS	MATERIAL		DELIVERY PART	COMPONENT PARTS	MATERIAL
Item	Weight [g/part]	Weight [g/part]	Weight [g/component part]	Item	Weight [g/part]	Weight [g/part]	Weight [g/component part]
number of digits (integer number)	7	7	6	number of digits (integer number)	9	9	9
number of digits (decimal points)	6	6	6	number of digits (decimal points)	6	6	6
	<10,000,000g	<10,000,000g	<1,000,000g		<1,000,000,000g	<1,000,000,000g	<1,000,000,000g

2. Change error check item in material information

For harmonization with IMDS data input rule of the public material data (some non-Japanese standards), JAMA sheet has started to accept the MDS data entry of both “Material number” and “Material symbol.” By the way, matching check between entered data and the external list is not changed.

Previous error checking function (Ver.2.13)

	In the case of VDA classification 5.X	In the case of non-VDS classification 5.X
Material number	If inputted, error occurs. [Error message No. : mes38]	If blank, error occurs. [Error message No. : mes36]
Material symbol	If blank, error occurs. [Error message No. : mes41]	If inputted, error occurs. [Error message No. : mes43]

Updated error checking function (Ver.2.14)

	In the case of VDA classification 5.X	In the case of non-VDS classification 5.X
Material number	<u>External list matching check only</u> (No check whether inputted or not)	If blank, error occurs. [Error message No. : mes36]
Material symbol	If blank, error occurs. [Error message No. : mes41]	<u>External list matching check only</u> (No check whether inputted or not)

Because of above change, the following messages does not be used in JAMA sheet Ver.2.14.

[mes38:Error] Material-No. cannot be specified in case the VDA classification is 5.x.

[mes43:Error] The symbol cannot be specified in case the VDA classification is other than 5.x.

However, the following messages is used in JAMA sheet Ver.2.14.

[mes36:Error] Material-No. is mandatory in case the VDA classification is other than 5.x.

[mes41:Error] The symbol is mandatory in case the VDA classification is 5.x.

With this upgrade, External list (MAT) is changed. Please see page11 <4> item.

3. Automatic delete unnecessary space

JAMA sheet deletes unnecessary spaces (spaces before and after the data and just a space) automatically, at the timing of execution of “Export as XML”, “Export as CSV” and “Data check”.

< Object input items > all items

Target operation	Handling of unnecessary space	
	In the past (Ver.2.13)	After upgrade (Ver.2.14)
“Data check”	Not delete automatically (unnecessary spaces are ignored.)	Delete automatically*
“Export as XML” or “Export as CSV”	Export without space deletion (export including unnecessary spaces)	Delete automatically* before exporting

*:Unnecessary spaces on the “entry” sheet are also deleted.

< Example >

Item No.	1	18	19	20	23
Item	SEQ No	Material symbol (plastics or rubber)	VDA Classification n	Substance count	Chemical presence type <input type="button" value="Select"/>
Data type	Number	ASCII characters	ASCII characters	Number	Number ("1" or "2" or "3")
number of digits (integer number)	5	20	6	3	2
number of digits (decimal points)	0	0	0	0	0
1	PP-GF30	5.1.a			
2	PP-GF30	5.1.a	2		
3	PP-GF30	5.1.a	3		

Existing unnecessary space in “VDA classification”
ex: “5.1.a “ (space following “a”)

CSV file in the past (Ver.2.13)

```

", "10", "ISO1043", "", "PP-GF30", "5.1.a ", "1", "",
", "ISO1043", "", "PP-GF30", "5.1.a", "2", "", "",
", "ISO1043", "", "PP-GF30", "5.1.a", "", "", "",

```

Existing space following “a”

CSV file after upgrade (Ver.2.14)

```

", "10", "ISO1043", "", "PP-GF30", "5.1.a", "1", "",
", "ISO1043", "", "PP-GF30", "5.1.a", "2", "", "",
", "ISO1043", "", "PP-GF30", "5.1.a", "", "", "",

```

Delete space following “a”

Outputting
CSV file

4. Improvement of "Delete all" button function

In case of "Delete all", JAMA sheet save the "Folder name of CSV import" and "CSV file name".

Explanation of function (in case of CSV import)

In the past (Ver.2.13)

[Import CSV file]

Save "file name" and "folder name"

[Delete all]

Delete "file name" and "folder name"

User have to select "folder name" again,
when user operate "Import CSV" continuously.

After upgrade (Ver.2.14)

[Import CSV file]

Save "file name" and "folder name"

[Delete all]

Delete "file name", but save "folder name"

User have not to select "folder name" again,
when user operate "Import CSV" continuously.

5. Possible to expand display area of “Data input form” using grouping

Data input area of input form is expanded.

Users can change whether the explanatory text is displayed or not.

In case of display the row from 4 to 11 and from 17 to 22.

In case of hide the row from 4 to 11 and from 17 to 22.

Basic information		Item information to be					
Item	Reference code	Supplier code	Supplier Name	Use Date	Expire Date		
Subtype	ASCII character	ASCII character	ASCII character	ASCII character	ASCII character		
Explanatory	requestor	requestor	requestor	requestor	requestor	requestor	supplier

DELIVERY PART							
Item No.	1	2	3	4	5	6	7
Item No.	Sub No.	Part Number	Part Name	Weight (g/oz)	Drawing Change Level	Insertion n. file	Part Structure
16	1	2	3	4	5	6	7
17	1	2	3	4	5	6	7
18	1	2	3	4	5	6	7
19	1	2	3	4	5	6	7
20	1	2	3	4	5	6	7
21	1	2	3	4	5	6	7
22	1	2	3	4	5	6	7

Investigation result of Material and Substance		Item information to be					
Item No.	1	2	3	4	5	6	7
Item No.	Sub No.	Part Number	Part Name	Weight (g/oz)	Drawing Change Level	Insertion n. file	Part Structure
15	1	2	3	4	5	6	7
16	1	2	3	4	5	6	7
17	1	2	3	4	5	6	7
18	1	2	3	4	5	6	7
19	1	2	3	4	5	6	7
20	1	2	3	4	5	6	7
21	1	2	3	4	5	6	7
22	1	2	3	4	5	6	7
23	1	2	3	4	5	6	7

↻
User can change.

6. Cover sheet

JAMA Standard Material Datasheet

Ver.2.14
October 1, 2011

<Change>
Version number and
Date have been revised.

Revision of JAMA Standard Material Datasheet is implemented as follows.

<October 1, 2011>

- JAMA and JAPIA issued the revised JAMA Standard Material Datasheet (Ver.2.14) for consistency with IMDS and for improvement of user convenience.
Please refer to the document in JAPIA website for detail information of revision.
- "External list" was updated, because application codes of IMDS were changed with revision of the EU-ELV directive exemption list (Annex II).
- "External list" was updated, because SVHC of EU-REACH regulation was added on June 20th, 2011.

<Change>
Summary of Revision
has been added.

<June 1, 2011>

- JAMA and JAPIA issued the revised JAMA Standard Material Datasheet (Ver.2.13) for consistency with IMDS
Please refer to the document in JAPIA website for detail information of revision.
- "External list" was updated, because SVHC of EU-REACH regulation was added on December 15th, 2010.

<October 1, 2010>

- JAMA and JAPIA issued the revised JAMA Standard Material Datasheet (Ver.2.12) for consistency with IMDS and for improvement of user convenience.
Please refer to the document in JAPIA website for detail information of revision.
- "External list" was updated, because SVHC of EU-REACH regulation was added on June 18th, 2010.

<June 1, 2010>

- "External list" was updated, because application codes of IMDS were changed with revision of the EU-ELV directive exemption list (Annex II).
- "External list" was updated, because SVHC of EU-REACH regulation was added on January 13th and March 30th, 2010.
- "Entry sheet" was not changed.

<October 1, 2009>

- JAMA and JAPIA issued the revised JAMA Standard Material Datasheet (Ver.2.10), because of adjustment for the IMDS upgrade.
Please refer to the document in JAPIA website for detail information of revision.
- The old external file can not be used, please use the latest external list Ver.2.10(EXLIST-2009-10-01EN.xls).

(The rest is omitted.)

II. Upgrade items for the External list

8. Material list (MAT)

- <1> Reflection of revised JIS standard
- <2> Reflection of additional material
- <3> Correction of writing errors

} In detail, please see another document
“Explanation of the Material list”

<4> For harmonization upgrade items "2. Change error check item in material information", it has been possible to input both "material number" and "material symbol" in the JAMA sheet, in case of non-Japanese standards or international standards.

< Examples of the standards >

ABS\$, AISI\$, API\$, AS/NZS\$, ASME\$, ASN\$, ASTM\$, BS\$, CDA\$, CSN\$, DIN EN\$, DIN\$, EN ISO\$, EN\$, GB\$, GL-Vorschrift\$, IEEE\$, IPC\$, ISO\$, KS\$, KTA\$, LW\$, MPIF\$, NBR\$, NF\$, NP\$, SAE\$, SE\$, SEW\$, SIS\$, SS\$, TLDB\$, UCI\$, UNE\$, UNI\$, UNS\$, VDA\$, VDG\$, WL\$, WW\$

<Change point> Add the “@” in the Material symbol field to input some characters.

	Surface treatment flag	Material name	Norms/Standards	Material number	Material symbol	VDA Classification	IMDS name
Example before changing (Ver.2.13)		Magnetic Steel Sheet	DIN\$	\$		1.1.1	\$
Example after changing (Ver.2.14)		Magnetic Steel Sheet	DIN\$	\$	@	1.1.1	\$

Meaning of “\$” : User have to enter any characters of appropriate material information for reporting.
 (“\$” or “@” can not be entered.)

Meaning of “@” : User enter any characters of appropriate material information for reporting or delete “@”.
 (“\$” or “@” can not be entered.)

< Notes for entering >

In the entering process, if “@” is found in the material symbol field, a user has to do one of the followings,

- overwrite the “@” with appropriate material symbol
- delete the “@” (in case of material symbol does not exist)

10. Application code list(IMDS_APP, IMDS_SUB_APP)

For harmonization with IMDS, the Application codes of "Lead and Lead compounds" have been delete or add as follows.

< Delete old application code > Reflect IMDS update on June 30, 2011

ID	Application code
13	Solder in electronic circuit boards and other electric applications

Please select a proper application code from 53 to 62 due to deleting the code13.
(The codes from 53 to 62 were added since the JAMA sheet Ver.2.11.)

< Add new application codes > Reflect IMDS update on June 30, 2011

ID	Application code
63	10(a) - Electrical and electronic components which contain lead in a glass or ceramic, in a glass or ceramic matrix compound, in a glass-ceramic material, or in a glass-ceramic matrix compound. This exemption does not cover the use of lead in: -glass in bulbs and glaze of spark plugs, -dielectric ceramic materials of components listed under 10(b), 10(c) and 10(d).
64	10(b) - Lead in PZT based dielectric ceramic materials of capacitors being part of integrated circuits or discrete semiconductors
65	10(c) - Lead in dielectric ceramic materials of capacitors with a rated voltage of less than 125 V AC or 250 V DC
66	10(d) - Lead in the dielectric ceramic materials of capacitors compensating the temperature-related deviations of sensors in ultrasonic sonar systems

As a result of segmentalization of the code 16, above 4 codes have been added newly. The code 16 still remain at the moment but it will be hidden in IMDS on January, 2011. Therefore, please use one of the new codes in the above, basically.

The code 16 will be hidden in IMDS on January, 2012.

< Addition of explanation text in Japanese >

ID	Application code
16	Electrical components which contain lead in a glass or ceramic matrix compound except glass in bulbs and glaze of spark plugs

(Supplemental remarks)

Data compatibility between Ver.2.13 and Ver.2.14

(1) External list

Not compatible.

Users must use the External list for Ver.2.14.

The External lists for older versions (from Ver.2.01 to Ver.2.13) can not be used with the new Entry file because some functions such as the error checking function and the material selecting function do not operate normally.

(2) CSV file

Compatible.

The JAMA Standard Material Datasheet can import CSV files created by the older version sheets (from Ver.2.01 to Ver.2.13).

However, some errors may occur in the imported data because of the modification of materials and substances in the new external list.

In the case of errors, the data have to be corrected.