

Summary of the JAMA/JAPIA Standard Material Datasheet version upgrade (Ver.3.00)

- This document is issued to supply information for JAMA/JAPIA Standard Material Datasheet version upgrade items. (Ver.3.00)
[Release date : OCT 1, 2018]
- The upgraded JAMA/JAPIA Standard Material Datasheet (Ver.3.00) can be downloaded from the JAPIA website (<http://www.japia.or.jp/>) after OCT 2018.
- The JAMA/JAPIA Standard Material Datasheet may be upgraded furthermore in the future.

October 1, 2018

Japan Auto Parts Industries Association
Product Environmental Committee

< List of upgrade items in Ver.3.00 >

File	Upgrade item	Upgrade content	Details
I. Data Input Form	1. Cover sheet	-“Version No.” and “Date” have been revised. -“Explanation of upgrade” has been added.	Page 4
	2. Password	The password has been updated. (Please confirm the new one to your requester.)	(n/a)
	3. Discontinue entry item of surface treatment	The Item which does not exist in IMDS is Discontinued due to improving compatibility with IMDS. (Item No.12)	Page 5
	4. Discontinuance of checking combination between material standards and application IDs	Check function for the combination between material standard(JAMAA4444,JAMAA2222) and application IDs is discontinued due to improving compatibility with IMDS.	Page 6
	5. Change in check function for Material code column	The mandatory input check for Material code column is eased due to improving compatibility with IMDS.	Page 7
	6. Automatically converting for data of previous versions	A function that MDSs created by older version are converted to the style of new version automatically is added.	Page 8

File	Upgrade item	Upgrade content	Details
II . External List	1. Material List MAT	<ul style="list-style-type: none"> - Revised contents of JIS have been reflected. - Revised according to the improvement of compatibility with IMDS. - Refer “Explanation of Material List”. 	Page 9,10
	2. Substance List IMDS_SUB	<ul style="list-style-type: none"> -IMDS BSL changes (addition, revised and deletion) have been reflected. -Substance names (Japanese) also have been revised accordingly. -The additional SVHCs of REACH on June 27, 2018 have been reflected. 	(n/a)

I. Upgrade items for Data input form

1. Cover sheet

JAMA/JAPIA Standard Material Datasheet	
	Ver.3.00 October 1, 2018
Revision of JAMA/JAPIA Standard Material Datasheet is implemented as follows.	
<p><October 1, 2018></p> <ul style="list-style-type: none"> - JAMA and JAPIA issued the revised JAMA Standard Material Datasheet (Ver.3.00) 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 27th, 2018. 	
<p><June 1, 2018></p> <ul style="list-style-type: none"> - JAMA and JAPIA issued the revised JAMA Standard Material Datasheet (Ver.2.51) for consistency with IMDS Please refer to the document in JAPIA website for detail information of revision. - "External list" was updated for consistency with the latest GADSL(2018 GADSL Version 1) - "External list" was updated, because SVHC of EU-REACH regulation was added on January 15th, 2018. 	
<p><October 1, 2017></p> <ul style="list-style-type: none"> - JAMA and JAPIA issued the revised JAMA Standard Material Datasheet (Ver.2.50) 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 July 7th, 2017. 	
<p><June 1, 2017></p> <ul style="list-style-type: none"> - JAMA and JAPIA issued the revised JAMA Standard Material Datasheet (Ver.2.41) for consistency with IMDS Please refer to the document in JAPIA website for detail information of revision. - "External list" was updated for consistency with the latest GADSL(2017 GADSL Version 1) - "External list" was updated, because SVHC of EU-REACH regulation was added on January 12th, 2017. 	
Summary of Revision 2016 and before has been hidden.	
(The rest is omitted.)	

<Change>
Version number and
Date have been revised.



<Change>
Summary of Revision
has been added.

3. Discontinue entry item of surface treatment

The entry item “Surface treatment” (Item No.12), which does not exist in IMDS, is discontinued due to improving compatibility with IMDS.

- Hiding the entry item column
- Deleting the value in the item at importing and exporting a csv file
- Maintaining the compatibility with the format of existing versions concerning the order of items in csv

“Surface treatment” column (item No.12)

10	11	12	13
<u>Weight</u> [g/part] 	<u>Quantity</u> [/upper part]	<u>Surface treatment</u> [flag]	<u>Material name</u> 
Weight of component part [g/part]	Number of component parts used for upper level parts [each/upper level part]	Identification code of surface treatment	Material name applied to a component part
supplier	supplier	supplier	supplier

4. Discontinuance of checking combination between material standards and application IDs

Check function for the original check of JAMA sheet, which added at Ver.2.04, is discontinued due to improving compatibility with IMDS.

From Summary of JAMA/JAPIA Standard Material Datasheet version upgrade (Ver.2.04)

10/22

4. Function to check combination of material norms and application

In material for electronic parts, the selection criterion has been clarified as follows to specify if the material corresponds to ELV ANNEX II or not. Therefore, the function to check the combination of the Norms/standard and application has been added.

<Content of rule change>

Material		Data input rule	
		Before revision	After revision
For electronic parts	corresponds to ELV ANNEX II	Neither "JAMAA2222" nor "JAMAA4444" are distinguished.	"JAMAA2222" shall be input
	Excluding the above-mentioned		"JAMAA4444" shall be input
Excluding the material for electronic parts			

<Check on combination of Norms/standard and application>

If the combination of Norms/standard and the application has not suited the above-mentioned rule, either of following error message is displayed by the error check.

Message 1: "This material norm can be entered only if the ELV 4 substances are included in the substance." (When "JAMAA2222" is input in Norms/standards)

Message 2: "The combination of the material norm and the application is not valid." (When "JAMAA4444" is input in Norms/standards)

Note:

The data created by the previous version might not suited the above-mentioned rule. In that case, it is necessary to correct the Norms/standard and VDA material classification code. Please never fail to check the data created by the previous version before transmitting it to the requester.

- Discontinue the check
- Delete the materials with standard "JAMA2222" in the external list(MAT)
- >See page 10 for the detail of changes in the external list.



5. Change in check function for Material code column

Check for “Material code” where VDA material classification is any of 6.x-9.x is eased from “ mandatory input” to “ optional input” because it is required by JAMA sheet but cannot be inputted in IMDS.

List of relation between material classification and input check

		IMDS		Previous JAMA sheet		Revised JAMA sheet	
Material Classification		Code	Symbol	Code	Symbol	Code	Symbol
1	Steel and iron	Mandatory	Not available	Mandatory	Optional	Mandatory	Optional
2	Light alloys	Mandatory	Not available	Mandatory	Optional	Mandatory	Optional
3	Heavy metals	Mandatory	Not available	Mandatory	Optional	Mandatory	Optional
4	Special metals	Mandatory	Not available	Mandatory	Optional	Mandatory	Optional
5	Polymer materials	Not available	Mandatory	Optional	Mandatory	Optional	Mandatory
6	Process polymers	Not available	Optional	Mandatory	Optional	Optional	Optional
7	Other materials	Not available	Not available	Mandatory	Optional	Optional	Optional
8	Electronics	Not available	Not available	Mandatory	Optional	Optional	Optional
9	Fuels and auxiliary means	Not available	Not available	Mandatory	Optional	Optional	Optional

Ease of check



6. Automatically converting for data of previous versions

A function converting previous versions automatically to avoid error occurrences from many differences between old and new MAT sheet in the external list.

Items converted	Processing contents
Material Name (Item No.13)	“Lead free solder” is replaced by “Solder”
Material code (Item No.17) Material symbol (Item No.18)	In case of VDA classification is 6.x, items below are processed. - values in Material code are moved to Material symbol - valued in Material code are cleared Note: even if 6.x, materials of non-Japanese standard are out of the scope.
Material standard (Item No. 16)	“JAMAA2222” is replaced by “JAMAA4444”
Material code (Item No. 17)	“SOLDERPB” and “SOLDERNONPB” are replaced by “SOLDER”

Supplemental explanation

- Conversion is executed when Error check button is pressed (only first time).
- The cells automatically converted are shown by gray color.
- There is no selecting function of “Yes” or “No” for automatically changing.
- The expired date of ver. 2.51 published in June 2018 is extended to the end of March 2019 to confirm data before the conversion.

II. External List

1. Material list “MAT”

For the improvement of compatibility with IMDS, contents which are original in JAMA sheet are revised on a large-scale. However, even data created in older version does not generate errors from checking external list by the automatic converting function.

(1)Surface treatment

Values of surface treatment are replaced by null.

Surface treatment flag	Material name	-	Norms/Standards (Public standard)	Material number (Metal or other than plastics or rubber materials)	Material symbol (plastics or rubber)	VDA Classification	IMDS Name
1	Electroless Nickel-Phosphorus Plating		JISH8645	ELp-Ni-P		3.4	ELp-Ni-P
1	Electroless Copper Plating		JISH8646	ELp-Cu		3.1	ELp-Cu
1	Electroless Zinc Plating		JAMAH4444	ELp-Zn		3.3	ELp-Zn
1	Electroless Silver Plating		JAMAH4444	ELp-Ag		4.2	ELp-Ag
1	Electroless Chromium Plating		JAMAH4444	ELp-Cr		4.2	ELp-Cr
1	Electroless Gold Plating		JAMAH4444	ELp-Au		4.2	ELp-Au
1	Electroless Tin Plating		JAMAH4444	ELp-Sn		4.2	ELp-Sn
1	Electroless Tin-Copper Plating		JAMAH4444	ELp-Sn-Cu		4.2	ELp-Sn-Cu
1	Electroless Nickel-Boron Plating		JAMAH4444	ELp-Ni-B		3.4	ELp-Ni-B
1	Electroless Nickel-Phosphorus-Boron Plating		JAMAH4444	ELp-Ni-P-B		3.4	ELp-Ni-P-B
1	Electroless Nickel-Phosphorus+PTFE Plating		JAMAH4444	ELp-Ni-P-PTFE		3.4	ELp-Ni-P-PTFE
1	Electroless Nickel-Phosphorus+SiC Plating		JAMAH4444	ELp-Ni-P-SiC		3.4	ELp-Ni-P-SiC
1	Electroless Nickel-Phosphorus+BN Plating		JAMAH4444	ELp-Ni-P-BN		3.4	ELp-Ni-P-BN
1	Electroless Palladium Plating		JAMAH4444	ELp-Pd		4.2	ELp-Pd
1	Electroless Co-Phosphorus Plating		JAMAH4444	ELp-Co-P		4.2	ELp-Co-P
1	Electroless Co-Nickel-Phosphorus Plating		JAMAH4444	ELp-Co-Ni-P		4.2	ELp-Co-Ni-P
1	Electrolytic Zinc Plating		JISH8610	Ep-Zn		3.3	Ep-Zn
1	Electrolytic Chromium Plating (Industrial)		JISH8615	Ep-ICr		4.2	Ep-Cr
1	Electrolytic Nickel Plating		JISH8617	Ep-Ni		3.4	Ep-Ni
1	Electrolytic Tin Plating		JISH8619	Ep-Sn		4.2	Ep-Sn

Values are deleted but the column is remaining.
(The column is hidden in the data input form)

(2)Material code and material symbol

Values of material code are moved to material symbol columns concerning materials which is 6.x in VDA material classification.

Surface treatment flag	Material name	-	Norms/Standards (Public standard)	Material number (Metal or other than plastics or rubber materials)	Material symbol (plastics or rubber)	VDA Classification	IMDS Name
	Plastic welding rods PVC	-	JISK6746		PVC	6.2	PVC
	Plastic welding rods PP	-	JISK6746		PP	6.2	PP
	Plastic welding rods PE	-	JISK6746		PE	6.2	PE
	Adhesive BR	-	ISO1629		BR	6.2	BR
	Adhesive CR	-	ISO1629		CR	6.2	CR
	Adhesive EP	-	ISO1043		EP	6.2	EP
	Adhesive IIR	-	ISO1629		IIR	6.2	IIR
	Adhesive NBR	-	ISO1629		NBR	6.2	NBR
	Adhesive PA	-	ISO1043		PA	6.2	PA
	Adhesive PAA	-	ISO1043		PAA	6.2	PAA
	Adhesive PAK	-	ISO1043		PAK	6.2	PAK

(3)Material standard"JAMAA2222" and its related materials

Some materials are deleted and newly added as below.

Material name	-	Norms/Standards (Public standard)	Material number (Metal or other than plastics or rubber materials)	Material symbol (plastics or rubber)	VDA Classification	IMDS Name	
Pyrotechnic initiator of air bag		JAMAA2222	ABPP		7.2	ABPP	Deleted
Silver/Silver alloy		JAMAA2222	AG@		8.1	AG	Deleted
Solder		JAMAA2222	SOLDERPB		8.1	SOLDERPB	Deleted
Ceramics		JAMAA2222	CERAMICS		7.2	CERAMICS	Deleted
Glass		JAMAA2222	GLASS		7.2	GLASS	Deleted
Ferrite Magnet		JAMAA2222	MAGNETFERRITE		7.2	MAGNETFERRITE	Deleted
Lead Free Solder		JAMAA4444	SOLDERNONPB		4.2	SOLDERNONPB	Deleted
Silver/Silver alloy		JAMAA4444	AG@		8.1	AG	Newly Added
Solder		JAMAA4444	SOLDER		4.2	SOLDER	Newly Added
Solder		JAMAA4444	SOLDER		8.1	SOLDER	Newly Added

2. Substance list

On and after the upgrade in June 2015, BPR related substances have been added. Please note that special statements for treating these substances are written in the GADSL reference list.

Allocation of GADSL classifications for "Biocidal coatings / biocidal additives, selected":

- Allowed to use: "D",
- Prohibited in one or more purposes (Product Type): "D/P"



In JAMA/JAPIA standard material data sheet shows even these substance names as "Brown for D, Purple for D/P and Red for P" simply according to GADSL classification. These substances may be treated as exemption depending on conditions.

(Supplemental remarks)

Data compatibilities between Old versions and Ver. 3.00

(1) External List

Not compatible

Users must use the external list Ver.3.00.

The external list of Ver. 2.51 or older cannot be used because some of functions, such as material selecting function, doesn't work properly.

(2) CSV file

Compatible (by automatic conversion at the first error check)

The JAMA Standard Material Datasheet can import CSV files created by older version sheet (From Ver. 2.01 to Ver. 2.51).

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

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