

# JAPIA Standard Material Datasheet Overview

## Purpose

This is the explanatory document for JAPIA Standard Material Datasheet (hereinafter JAPIA Sheet). The latest version of JAPIA Sheet and related documents can be downloaded from the sites shown below.

JAPIA Web Site (<https://www.japia.or.jp/>)

CEMA Web Site (<http://www.cema.or.jp/>)

JIVA Web Site (<http://www.jiva.or.jp/>)

Apr. 1, 2023

JAPIA Sheet Liaison Group

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# I . Essential Information

The essential information of JAPIA Sheet is explained here.

# 1. About JAPIA Sheet

JAPIA Sheet is a form agreed in the JAPIA Sheet Liaison Group (See next page) including the Japan Automobile Parts Manufacturers Association (JAPIA) for the purpose of using it to investigate the materials and substances contained in products to comply with environmental regulations.

JAPIA Sheet has the features shown as below.

- The JAPIA Sheet is upward compatible with Ver. 2.01 or later of JAMA/JAPIA Standard Material Datasheet (hereinafter JAMA Sheet), which was used before JAPIA Sheet.
- JAPIA Sheet uses unique substance list different from JAMA Sheet.
- Similar to the JAMA Sheet, the basics of data creation follow IMDS.  
Refer to the latest version of "JAPIA Standard Material Datasheet Operation Rules".  
(See page 1 for the source)

## 2. Operation entity and scope of usage of supply chain

### (1) Operation entity

Name:

JAPIA Sheet Liaison Group

Organizational structure:

Japan Auto Parts Industries Association

Participating companies of Japan Construction Equipment manufacturers Association

Participating companies of Japan Industrial Vehicles Association

Participating companies of Japan Agricultural Machinery Manufacturers Association

Role:

- Maintaining JAPIA Sheet (Maintain the substance investigation tools necessary for the management of substances in products of each company)
- Maintaining the uniformity of material investigation operations using JAPIA Sheet \*1  
(Maintain unified operation method that is indispensable for smooth material survey in the supply chain)

\*1: It does not prevent the use of other material investigation tools (IMDS, chemSHERPA, CDX, etc.) already recognized by the industries of construction machinery/industrial vehicle/agricultural machinery based on the agreement between companies.

Nor does it preclude the use of non-inclusion declarations based on agreements between companies when it is difficult to use substance research tools.

However, JAPIA Sheet format, controlled substances (GADSL), and JAPIA Sheet operation rules must be operated.

## (2) Scope of usage of supply chain

[Automotive Industry]

Within suppliers on the supply chain (Car manufacturers do not use)

[Industries of construction machinery/industrial vehicle/agricultural machinery]

1) Within each participated company\*<sup>2</sup>

2) Within a subsidiary where each participating company has a majority stake (51% or more) or is strongly involved in management \*<sup>2</sup>

3) Within suppliers on the supply chain of 1) and 2) above

\*<sup>2</sup> : Not only for business of construction machinery, industrial vehicles, agricultural machinery but also for all businesses of the company

### 3. System condition and operation environment

Microsoft Windows and MS-Excel are required to use JAPIA Sheet.

For the latest operating environment, refer to the JAPIA, CEMA, JIVA website and the latest version of the input manual.

## 4. Revision procedure and time schedule

In principle, the information is updated three times a year for the following purposes, but it is be notified you in advance.

Upgrade date	Data Input Form	External List	Closing of registration application by user
April 1st	(Not upgraded)	Reflecting GADSL update	End of December
July 1st	(Not upgraded)	Reflecting JIS update	End of March
October 1st	Addition of function	Reflecting GADSL update	End of June

If necessary, the revision time is reviewed.

The user uses the latest version in principle. However, because of the smooth changeover, provide a parallel operation period of about one month. The old and new versions can be distinguished by the date (YYMMDD) attached to the file name.



## 5. Password and available period

### (1) Password

#### Data Input Form

- JAPIA shall disclose the password within JAPIA Sheet Liaison Group and JAPIA members limitedly
- Then they can disclose to the supplier individually along supply chain
- In case a non-JAPIA-member company in the automotive supply chain and its upper stream companies use JAPIA Sheet, the company at the starting point can inquire the JAPIA secretariat for the password

#### External List

JAPIA does not disclose the password because copyrighted materials are included.

### (2) Available period

#### Data Input Form

In principle, valid for one month after issuing the next version.

#### External List

Be sure to use the latest specified external list.

(However, the old external list is valid for one month after the latest external list is issued.)

## 6. Operation Instruction

### (1) Obtain Data Input Form and External List

- Download from JAPIA, CEMA, or JIVA Website (See page 1 for the source )
- Put the input form and external list in the same folder  
(You cannot enter data or check errors, if not in the same folder.)

### (2) Open and input data into Data Input Form

- Input data referring the manual
- Macro of Data Input Form must be valid
- Click [Row copy] for the copying the whole row
- Click [Row deletion] for deleting the whole low
- Click [Select] for selecting from the shown list

[Note] Substance listed in GADSL and included more than its threshold must be inputted.

### (3) Check the inputted data

- Click [Data Check] for executing Error Check
- In case of OK as the result of Error Check, “No Error” will be shown
- Without resolving all errors, you cannot report to the requester.

[Note] Error check is to check the input format

Even if there is no error, the data content may be confirmed by the requester

### (4) Submit datasheet to the requester

- Click [Export CSV] for creating CSV file and submit it

## 7. Data compatibilities with Old versions

### (1) External List

#### Not compatible

Users must use the designated latest version of External List.

(See page 1 for the source)

Old version of External List cannot be used because error check and selective input do not work correctly with it.

### (2) CSV File

#### Compatible

The JAPIA Sheet can import CSV files\*

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.

\* : CSV file created by older version sheet (From Ver. 2.01 to Ver. 3.02b).

## 8. Copy right

The JAPIA Sheet Liaison Group holds the copyright for the JAPIA Sheet.

(Excerpt from JAPIA Sheet Input form)

<Notice>

You should note that the following actions are prohibited for all the relevant documents.

- You may not use those documents for any purposes other than the inter-firm exchange of information on substances of environmental concern contained in products.
- The relevant documents and programs are protected by laws and conventions on copyright and other intellectual property rights. You may not illegally apply any of those documents and programs.
- You may not distribute any of those documents and programs to a third party with whom you have not entered into a basic marketing agreement or other inter-firm contracts.

However, JAPIA owns the copyright for the substance list in the external list.

## **Ⅱ . Ver.4.10a Release Information**

**The overview of release information of JAPIA Sheet upgrade is explained here.**

# List of upgrade items from Ver.4.10 to Ver.4.10a

File	Upgrade item	Upgrade Content
Data Input Form	(Program)	<ul style="list-style-type: none"> <li>▪ The maximum number of floating-point digits was increased from 6 to 9 Reference P.15 [Reposting information as of Ver.4.10]</li> </ul>
External File	BSL	[Appendix : BSL Changes_230401.pdf] <ul style="list-style-type: none"> <li>▪ Added the proposed substances to BSL , Updated according to the 28th SVHC and GADSL2023_V1 etc. Reference P.1 ~P.24</li> </ul>
	Material List	<ul style="list-style-type: none"> <li>▪ Reflection of revised JIS standards, addition of VDA classification codes, and ensuring consistency with IMDS, Addition of Material. Reference P.16 ~P.17</li> </ul>
External List Guide	Ⅲ. External List Abstract	<ul style="list-style-type: none"> <li>▪ Changed the contents of sheet “MAT”.</li> </ul>
Input Manual	No change	
Substance List	No change	

# Increased precision for portions (1/1) [Reposting information as of Ver.4.10]

## 1) Background

In July 2020, PFOA and its salts were designated as a prohibited substance in the EU POPS and the threshold was set at 25 ppb (0.0000025%)

## 2) Outline of revisions in October 2022

The maximum number of floating-point digits was increased from 6 to 9

- Portion
- Substance portion(Minimum)
- Substance portion(Maximum)
- Weight (MATERIAL) \*1

15		26		42 43		
MATERIAL				JAPIA Of		
<u>Weight</u> <u>[g/component part]</u>		<u>Portion</u>		<u>Substance</u> <u>portion</u> <u>(Minimum)</u>	<u>Substance</u> <u>portion</u> <u>(Maximum)</u>	<u>Subs</u> <u>por</u> <u>(Ri</u>
Round off						

\*1 : To maintain compatibility with IMDS

## (1) Reflection of revised JIS standards

JIS Norm	Revision date	Explanation of the revision
JISH5203 (Magnesium alloy castings)	Dec., 2022	<p>Change of Material Codes  MC10→MC-ZE41A, MC12→MC-WE43A, MC13→MC-WE54A,  MC8→MC-EZ33A, MC9→MC-QE22A, MC14→MC-EQ21A,  MC11→MC-ZC63A, MC2C→MC-AZ91C, MC2E→MC-AZ91E,  MC5→MC-AM100A, MC6→MC-ZK51A, MC7→MC-ZK61A</p> <p>Addition of Materials  MC-AZX912, MC-AZ81, MC-AZ63, MC-VW76, MC-VW103,  MC-EZ30, MC-EV31</p>

**Note: Deletion of the old material code from the Material list by Change of Material Codes will be done in the next release.**

## (2) Compliance with IMDS: Change of VDA Classifications

&lt;before&gt;

Material Name	Norms /Standards (Public standard)	Material Number	VDA Classification	IMDS Name
Solder H10A	JISZ3282	H10A	4.2	Pb90Sn10 (Soft solder H10A)
Solder H5A	JISZ3282	H5A	4.2	Pb95Sn5 (Soft solder H5A)
Solder H1Ag1.5A	JISZ3282	H1Ag1.5A	4.2	Pb97.5Ag1.5Sn1 (Soft solder H1Ag1.5A)



&lt;after&gt;

Material Name	Norms /Standards (Public standard)	Material Number	VDA Classification	IMDS Name
Solder H10A	JISZ3282	H10A	3.5	Pb90Sn10 (Soft solder H10A)
Solder H5A	JISZ3282	H5A	3.5	Pb95Sn5 (Soft solder H5A)
Solder H1Ag1.5A	JISZ3282	H1Ag1.5A	3.5	Pb97.5Ag1.5Sn1 (Soft solder H1Ag1.5A)



## (3) Addition of Material

The following material has been added to comply with overseas standards for Solder.

Material Name	Norms/Standards (Public standard)	Material Number	Material Symbol	VDA Classification	IMDS Name
Solder	\$	\$	@	3.5	\$

## List of documents of JAPIA Sheet Ver.4.10a (Apr. 1, 2023)

Document		File Name	
[O]Overview			
JAPIA Standard Material Datasheet Overview		EN	JapiaSheet_Overview_EN_230401.pdf
Appendix: BSL Changes		EN	Appendix: BSL Changes_230401.pdf
[2]Data Input Form			
JAPIA Sheet (Data Input Form)		EN	JapiaSheet_EN_221001.xlsm
[3]External File			
JAPIA Sheet (External List)		EN	EXLIST-2023-04-01EN.xlsx
External List Guide		EN	ExList_Guide_EN_221001.pdf
Appendix:External List Abstract		EN	ExList_Abstract_EN_230401.xlsx
[4]Manual			
Input Manual		EN	Input_Manual_EN_220701.pdf
JAPIA Sheet Input Sample		EN	JapiaSheet_Sample_EN_201001.xlsx
[5]Substance List			
GADSL Reference List		EN	GADSL-Reference-List.xlsx

# History

Revision number	Revision date	Applicable Version	Description
N	Oct. 01, '20	4.01	Creation new
1	Jan. 11, '21	4.01a	Added information on Ver.4.01a Changed due to the abolition of VDA material classification code 1.2, 5.4, 5.5.1, 8.1 and 8.2 in IMDS Release 13.0.
2	Apr. 01, '21	4.01b	Addition of change points of the External list GADSL version changed from 2020-1.0 to 2021-1.0.
3	Jul. 01, '21	4.01c	Addition of change points of the External list
4	Oct. 01, '21	4.02	Changed the contents of "Data Input Form", "External File", "External List Guide" and "Input Manual".
5	Apr. 01, '22	4.02a	Addition of change points of the External list
6	July. 01, '22	4.02b	Addition of change points of the External list Addition of "Q & A" in the input manual
7	Oct. 01, '22	4.10	Changed the contents of "Data Input Form", "External File" and "Substance List".
8	Apr. 01, '23	4.10a	Addition of change points of the External list