

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/>)

Oct. 1, 2021

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*2

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

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

*2 : 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.4.02 Release Information

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

List of upgrade items from Ver.4.01c to Ver.4.02

File	Upgrade item	Upgrade Content
Data Input Form	(Program)	<ul style="list-style-type: none"> ▪If only the order of the substances in the standard materials is different, ID(material) is not automatically deleted. Reference P.15
External File	Application Code	<ul style="list-style-type: none"> ▪Corresponded to the IMDS change on 16 Aug. 2021 (2: abolished, 2: newly listed). Reference P.16
	BSL	[Appendix:BSL Changes_211001.pdf] <ul style="list-style-type: none"> ▪Added the proposed substances to BSL , Updated according to the 25th SVHC, etc. Reference P.1-5
	Material List	<ul style="list-style-type: none"> ▪Reflection of revised JIS standards Compliance with IMDS. Reference P.17
External List Guide	II . Material List	<ul style="list-style-type: none"> ▪The data numbers (1727 and 37) of 1.3 Composition of material list have been omitted.
	III. External List Abstract	<ul style="list-style-type: none"> ▪Changed the contents of sheet “IMDS APP”. ▪Changed the contents of sheet “MAT”.
Input Manual	I .Simple Instruction Manual	<ul style="list-style-type: none"> ▪Added three lines of Ver.4.02 to the table ”List of time limits of JAPIA Sheet” (3. Time Limit for Operation).
Substance List	No changed	

1) Background

Even if it is the same material, many materials where (1) and (2) are different.

(1) Order of substances in material composition in JAPIA Sheet

(2) Order of substances in material composition in IMDS (published MDS)

(1)JAPIA sheet

VDA			SUBSTANCE					JAPIA OPTIONS									
Substance count	Chemical presence type	Substance code (CAS_RN)	Substance name	Portion	Content post industrial recycling (Minimum)	Substance portion (Minimum)	Substance portion (Maximum)	Substance portion (Rest)	ID (part)	ID (material)	ID (substance)	Inter					
ASCII characters	ASCII characters	ASCII characters	Number	Number ("1" or "2" or "3")	ASCII characters	ASCII characters	Number	Number	Number	"1"	ASCII characters	ASCII characters	ASCII characters	AS			
50	20	6	3	2	30	60	3	3	20	10	10	1	20	20	20		
0	0	0	0	0	0	0	6	4	4	6	0	0	0	0	0		
SPCC	1.1.1	1	7440-44-0	Carbon C	0.075	0	0.15		671590420	S00006							
SPCC	1.1.1	2	7439-96-5	Manganese Mn	0.5	0	1.0			S00025							
SPCC	1.1.1	3	7723-14-0	Phosphorus P	0.050	0	0.100			S00015							
SPCC	1.1.1	4	7704-34-9	Sulfur S	0.0175	0	0.035			S00016							
SPCC	1.1.1	5	7439-89-6	Iron Fe	99.3575			1		S00026							

Only the order of substances is different.

ID(material) is automatically deleted because it is determined to be different material by the data check in the JAPIA Sheet.

(2) IMDS

2) Outline of revisions in October 2021

If only the order of the substances is different, ID(material) is not automatically deleted because it is determined to be same material by the data check in the JAPIA Sheet.

Application Code Update

Update	ID	Application
	35	The lubricant / oil contains total PAHs >3% according to IP 346
	36	The lubricant / oil contains total PAHs <3% according to IP 346
	37	Extender oil contains PAHs > 10mg/kg (for tyres only)
	38	Extender oil contains PAHs < 10mg/kg (for tyres only)
	39	Non-tyre application
DEL	40	Not applicable
	41	PAH in lubricating oil
ADD	83	Repetitive skin contact (required according to REACH 1907/2006 EC Annex XVII Entry 50)
	84	Not applicable (no repetitive skin contact)

Details of revisions on Material List

(1) Reflection of revised JIS standards

JIS Norm	Revision date	Explanation of the revision
JISZ3221 (Stainless steel covered electrodes)	Jul., 2021	<p>Change of Material Codes D307→ES307, D308→ES308, D308L→ES308L, D308N2→ES308N2, D309→ES309, D309L→ES309L, D309Nb→ES309Nb, D309NbL→ES309LNb, D309Mo→ES309Mo, D309MoL→ES309LMo, D310→ES310, D310Mo→ES310Mo, D312→ES312, D16-8-2→ES16-8-2, D316→ES316, D316L→ES316L, D317→ES317, D317L→ES317L, D318→ES318, D329J1→ES329J1, D347→ES347, D347L→ES347L, D349→ES349, D410→ES410, D430→ES430, D430Nb→ES430Nb, D630→ES630</p> <p>Addition of Materials ES209, ES219, ES240, ES308H, ES308N, ES308LN, ES308Mo, ES308MoJ, ES308LMo, ES310H, ES310Nb, ES316H, ES316LN, ES316LCu, ES320, ES320LR, ES329J4L, ES330, ES330H, ES383, ES385, ES409Nb, ES410NiMo, ES2209, ES2553, ES2593</p> <p>Deletion of Materials D316J1L, D410Nb</p>
JISZ3321 (Stainless steel rods, wires and strip electrodes for welding)	Jul., 2021	<p>Addition of Materials YS209, YS218, YS219, YS240, YS308Si, Y308LSi, YS309Si, YS309LD, YS309LSi, YS309LMoD, YS309LNbD, YS316Si, YS316LSi, YS316LMn, YS347H, YS347Si, YS33-31, YS2307, YS2594, YS3556, YS439, YS446LMo, BS209, BS218, BS219, BS240, BS308Si, BS308LSi, BS309Si, BS309LD, BS309LSi, BS309LMoD, BS309LNbD, BS316Si, BS316LSi, BS316LMn, BS347H, BS347Si, BS33-31, BS2307, BS2594, BS3556, BS439, BS446LMo</p>
JISZ3323 (Stainless steel flux cored wires and rods for arc welding)	Jul., 2021	<p>Addition of Materials TS209, TS218, TS219, TS240, TS308Si, TS308LSi, TS309Si, TS309LSi, TS309LNiMo, TS309H, TS316Si, TS316LSi, TS316LMn, TS316LK, TS320, TS320LR, TS321, TS330, TS347Si, TS347H, TS383, TS385, TS420, TS439, TS439Nb, TS446LMo, TS630, TS19-10H, TS33-31, TS2307, TS2594, TS2594W, TS3556</p>

List of documents of JAPIA Sheet Ver.4.02 (Oct. 1, 2021)

Document		File Name	
[0]Overview			
JAPIA Standard Material Datasheet Overview		EN	JapiaSheet_Overview_EN_211001.pdf
	Appendix: BSL Changes	EN	Appendix: BSL Changes_211001.pdf
[2]Data Input Form			
JAPIA Sheet (Data Input Form)		EN	JapiaSheet_EN_211001.xlsm
[3]External File			
JAPIA Sheet (External List)		EN	EXLIST-2021-10-01EN.xlsx
External List Guide		EN	ExList_Guide_EN_211001.pdf
	Appendix:External List Abstract	EN	ExList_Abstract_EN_211001.xlsx
[4]Manual			
Input Manual		EN	Input Manual_EN_211001.pdf
	JAPIA Sheet Input Sample	EN	JapiaSheet_Sample_EN_201001.xlsx
[5]Substance List			
GADSL Reference List		EN	GADSL Reference List 2021Ver.1.0.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			