

Input Manual

Oct. 1, 2023

JAPIA Sheet Liaison Group

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I . Simple Instruction Manual

1. Purpose

JAPIA Standard Material Datasheet (JAPIA Sheet) is the sheet agreed by JAPIA Sheet Liaison Group*1 including Japan Auto Parts Industries Association for studying the materials and substances included in products to meet environmental rules.

This manual is created to explain specifically and simply how to enter data to support data entry to JAPIA Sheet.

※1 JAPIA Sheet Liaison Group

Japan Auto Parts Industries Association (JAPIA)

Member companies of Japan Construction Equipment Manufacturers Association
(CEMA)

Member companies of Japan Industrial Vehicles Association (JIVA)

Member companies of Japan Agricultural Machinery Manufacturers Association (JAMMA)

Homepages that post the JAPIA Sheet

JAPIA Web site <https://www.japia.or.jp/>

CEMA Web site <http://www.cema.or.jp/>

JIVA Web site <http://www.jiva.or.jp/>

2. Time Limit for Operation

JAPIA Sheet has a time limit for its operation as it must use the latest external sheet. When it passes the time limit, the functions to select entry data or check errors become invalid, and no longer available.

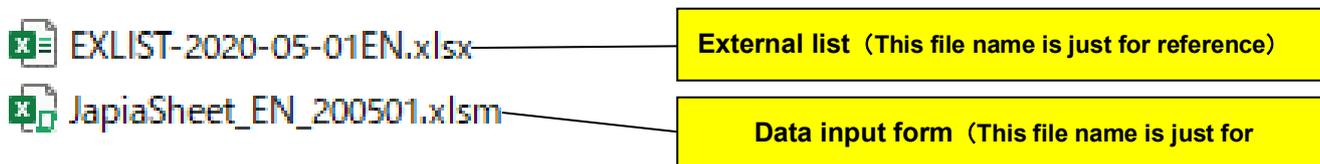
For the combination of JAPIA Data input form / External list, and the time limit, please refer to the following table.

List of time limits of JAPIA Sheet

Version	Release date	File name of Data input form	File name of External list	Time limit for operation
4.00	May 1 st , 2020	JapiaSheet_EN_200501.xlsm	EXLIST- 2020-05-01 EN.xlsx	October 31 st 2020
4.01	October 1 st 2020	JapiaSheet_EN_201001.xlsm	EXLIST- 2020-10-01 EN.xlsx	April 30 th 2021
↑	April 1 st 2021	↑	EXLIST- 2021-04-01 EN.xlsx	July 31 st 2021
↑	July 1 st 2021	↑	EXLIST- 2021-07-01 EN.xlsx	October 31 st 2021
4.02	October 1 st 2021	JapiaSheet_JP_211001.xlsm	EXLIST- 2021-10-01 EN.xlsx	April 30 th 2022
↑	April 1 st 2022	↑	EXLIST- 2022-04-01 EN.xlsx	July 31 st 2022
↑	July 1 st 2022	↑	EXLIST- 2022-07-01 EN.xlsx	October 31 st 2022
4.20	October 1st 2023	JapiaSheet_JP231001.xlsm	EXLIST- 2023-10-01 EN.xlsx	April 30th 2024

3. Data Entry Procedure

3.1 Obtain the JAPIA Sheet



○ Preparation

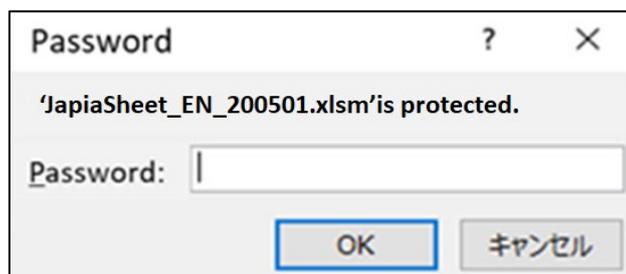
It is necessary to obtain the latest JAPIA Sheet ('Data input form' and 'External list') (Refer to P.4), and save both files in the same folder. These two files must be saved in the same folder to make Excel macro software work.

Notice!

Do not change the file name of the External list as it will not work normally if it is changed.
Also, please do not include the external list of different versions/ languages in the same folder.

○ Starting procedure

Double click the 'Data input form' and enter a password.



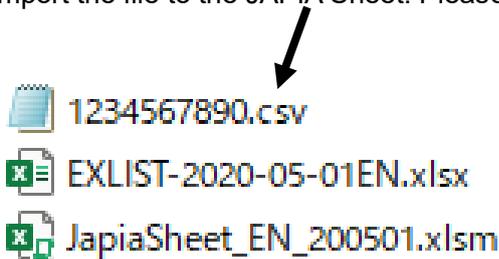
Notice !

- ① Enter the password in lower-case alphanumeric.
- ② As to the password, contact a requester for the study. Cares must be paid to prevent the password from being leaked to irrelevant third parties.
- ③ External list does not open. For material information, refer to 'Appendix : External List Abstract'

'Data input form' consists of four types of sheets.

No	Sheet name	Function
1	Cover	Overview of the JAPIA Sheet
2	Entry	Input, Error checking, File IO
3	Description	Description of cells in Data input form
4	MESSAGE	Display Error check result

When you receive a CSV file named a part No. for study from a requestor for studying CSV, it is necessary to import the file to the JAPIA Sheet. Please save the CSV file in an appropriate folder.



When clicking 'Import CSV' button in the sheet named 'Data input form' in the JAMA Sheet, it is able to import the data.

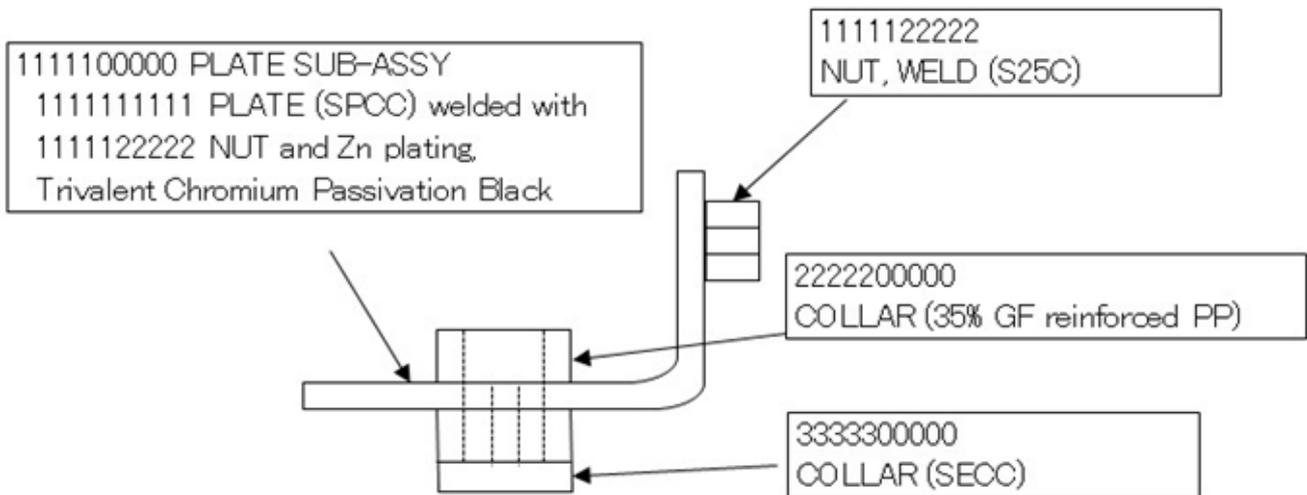
(1) Basic information

Item	Automobile manufacturer code	Supplier code	Supplier Name	Due Date	Reply Date
Data type	ASCII characters	ASCII characters	ASCII characters	ASCII characters	ASCII characters
Entered by:	requestor or supplier	requestor or supplier	requestor or supplier	requestor or supplier	supplier

Notice !

- ① When importing CSV files, confirm that data is not entered in the Data input form before clicking 'Import CSV' button.
- ② It is possible to import the existing report data of old version (Old version includes JAMA/ JAPIA Standard Material Datasheet). When an error occurs with error check due to a change to the External list in line with JIS revision, etc., it is necessary to modify the data.
- ③ When editing and saving CSV files with Excel, data is damaged. Therefore, data should not be edited with Excel.

3.2 Entry Model <Input sample 3 (Assembled component) >



3.3 Entry Procedure

1) Entry of delivery part information

Enter 'D-24 cell' first.

Item No.	Item name	Mandatory / Option
2	Part number	Mandatory
3	Part name	Mandatory
4	Weight [g/ part]	Mandatory
5	Drawing change level	Enter only when design change
6	Investigation flag	Optional (Follow the instruction from requesters)
7	Part structure	Mandatory, Enter '1'

Use the 'Data input form' for entering data.

It is possible to hide the title row with '+' and '-'.

Click D-24 cell

(2) Investigation result of Material and Substance

Entry result

Item No.	1	2	3	4	5	6	7
	DELIVERY PART						
Item	SEQ No	Part Number	Part name	Weight [g/part] Auto adjustment	Drawing Change Level	Investigati on flag Select	Part Structure
1		1234567890	PLATE ASSY	64			

2) Entry of component part information

Next, enter component part information. It is recommended to use 'Row copy' for efficient entry.

(2) Investigation result of Material and Substance

Step 1 : Select row 24 entirely

Step 2 : Click 'Row copy' for as many times as the number of component parts. (As this example has three component parts, click 'Row copy' three times.)

Item No.	1	2	3	4	5	6
Item	SEQ No	Part Number	Part name	Weight [g/part]	Drawing Change Level	Investigati on flag
1		1234567890	PLATE ASSY	64		

After three rows are copied

Item No.	1	2	3	4	5	6
Item	SEQ No	Part Number	Part name	Weight [g/part] Auto adjustment	Drawing Change Level	Investigati on flag Select
1		1234567890	PLATE ASSY	64		
2		1234567890	PLATE ASSY			
3		1234567890	PLATE ASSY			
4		1234567890	PLATE ASSY			

Next, enter the following items.

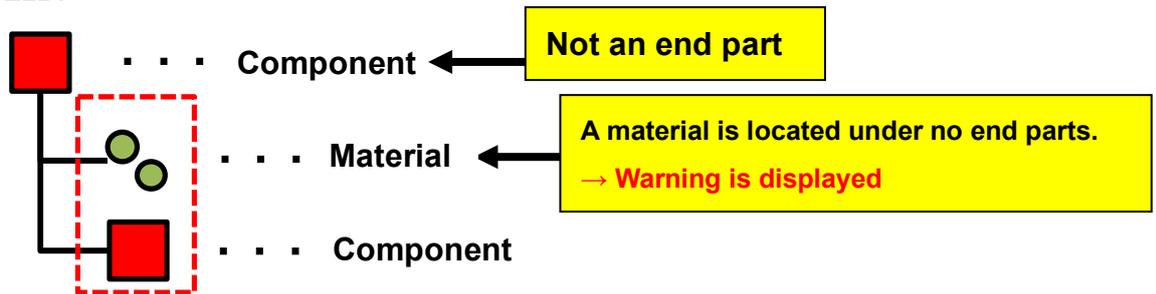
Item No.	Item name	Mandatory/ Option
7	Part structure	Mandatory. This is equivalent to the level of 'Bill of Material (BOM)'
8	Part number	Mandatory when it is 'Requester's part No.'
9	Part name	Mandatory
10	Weight [g/ part]	Mandatory (Only the top row)
11	Quantity[/upper part]	Mandatory

Enter three component parts.

After component parts are entered (Change Part structure to '2')

Item No.	5	6	7	8	9	10	11
	COMPONENT PARTS						
Item	SEQ No	Drawing Change Level	Investigati on flag Select	Part Structure	Part Number	Part name	Weight [g/part] Auto adjustment Quantity [upper part]
1				2	1111100000	PLATE SUB-ASSY	40 1
2				2	2222200000	COLLAR	8.8 2
3				2	3333300000	COLLAR	32 2

Next, enter the information of Sub-assembly 1111100000, which is composed of 111111111 PLATE and 1111122222 NUT, WELD.



Recommendation !

In the case of the composition where 'Material' and 'Component part' are located mixed in the same level as shown in the above figure, 'Warning' will be issued. Therefore, in the case of a welding rod, zinc plating and chromate plating, it is recommended to setup a dummy component part in the composition and enter the materials of the welding rod, zinc plating and chromate plating beneath the dummy component part. Copy the row 25 as many as child-parts including the dummy component part and enter the child-parts. In this example, there are five child-parts. So copy the row five times. Next, referring to BOM (Refer to P.9), represent a parent-child relationship in the 'Part structure'. Enter '3' to the Part structure (Item No. 7) of the dummy component part in the same level as PLATE and NUT.

Next, referring to BOM, enter 'Component part number', 'Component part name', 'Component part weight' and 'Component part quantity'. For the part number of the dummy part, either leave it blank or enter a dummy component part number.

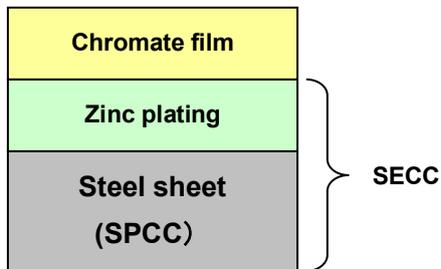
1	b	b	/	8	CC	11	
SEO No.	Drawing Change Level	Investigation flag <input type="button" value="Select"/>	Part Structure	Part Number	Part name <input type="button" value="Auto adjustment"/>	Weight [g/part]	Quantity [upper part]
1			1				
2			2	1111100000	PLATE SUB-ASSY	40	1
3			3	1111111111	PLATE	22	1
4			3	1111122222	NUT, WELD	4.2	4
5			3	1111133333	WELDING	1	1
6			3	1111144444	ZINC PLATING	0.18	1
7			3	1111155555	CHROMATE PLATING	0.02	1
8			2	2222200000	COLLAR	8.8	2
9			2	3333300000	COLLAR	32	2

After all parts are entered

3) Entry of material information

Important! 'It is the number of materials that dictates the number of rows'. Entry method is explained specifically with using the Chromate-electrolytic-zinc-coated steel sheet (SECC), which is used for other component part COLLAR 3333300000, as an example.

Material composition of COLLAR



Important!

When entering the material information, the composition of materials must be entered. For example, in the case of Plated steel sheet such as SECC, the information of SPCC, which is the steel sheet before plating, is necessary.

In the case of the COLLAR, enter the following items as it is composed of three materials as shown in the above figure.

Notice! Under the environment regulations related to the environmental load substances such as End of Life Vehicles Directive (EU-ELV), 'Homogeneous material' is used as a basic unit when evaluating the density of environmental load substances. Therefore, Zinc chromate film must be separated into Zinc plating and Conversion coating such as Chromate film. Be aware that Zinc plating steel sheet is not considered as a homogeneous material.

Item No.	Item name	Mandatory/ Option
13	Material name	Mandatory
14	Trade name	Optional
15	Material weight	Mandatory (Only the top row)
16	Norms/ Standards	Mandatory
17	Material number	Mandatory (1.x – 4.x), Optional (5.x – 9.x)
18	Material symbol	Mandatory (5.x), Optional (except 5.x)
19	VDA classification	Mandatory (Classification defined by VDA)

Reference : Go to the following site to obtain 'External List Guide' that shows VDA Classification.

[Japan Auto Parts Industries Association \(JAPIA\) Official website](https://www.japia.or.jp)

<https://www.japia.or.jp> ⇒ Select 'JAPIA Standard Material Datasheet'

To enter material, copy the row 32 twice to create three rows of 32.

Result after copying the row twice

Item No.	1	6	7	8	9	10	11
14							
15					COMPONENT PARTS		
16							
23							
24							
25	1		1				
26	2		2	1111100000	PLATE SUB-ASSY	40	1
27	3		3	1111111111	PLATE	22	1
28	4		3	1111122222	NUT, WELD	4.2	4
29	5		3	1111133333	WELDING	1	1
30	6		3	1111144444	ZINC PLATING	0.18	1
31	7		3	1111155555	CHROMATE PLATING	0.02	1
32	8		2	3333300000	COLLAR	32	2
33	9		2	3333300000	COLLAR	32	2
34	10		2	3333300000	COLLAR	32	2
	11		2	3333300000	COLLAR	32	2

Important!

Automatic entry is available for the component substances specified as JIS materials related to metal and plating (Plating is the industry's standard value) . Even among JIS materials, the material that includes ' 0% or more' of the component substance whose upper limit is not defined is not registered. Therefore, the entry method is the same as the conventional method.

Notice! Automatic entry should not be used for the materials of customized specification of your own company (such as the change in tolerance or the addition of component). In such a case, enter the data of your own company.

To use the automatic entry function for entering the materials of 3333300000 COLLAR that uses JIS materials SECC, select the row 32 in 'Material name' of 'Item No. 13'.

Select the row 32 first, and click 'Select' button.

Item No.	1	10	11	13
		Weight [g/part]	Quantity [/upper part]	Material name
	SEQ No	Auto adjustment		Select
2		4.0	1	
3		2.2	1	
4		4.2	4	
5		1	1	
6		0.18	1	
7		0.02	1	
8		8.8	2	
9		3.2	2	
10			2	
11			2	

When clicking 'Select' button beneath 'Material name', 'Select material' window appears.

Select material

Please enter search criteria and click OK button.

Material name(EN) Material-No.

Material name(JP) Symbol

Norms/Standards VDA classification

Search Cancel

It is SPCC this time, enter 'SPCC' to Material Code., and click 'Search' button.

Select material

Please enter search criteria and click OK button.

Material name(EN) Material-No.

Material name(JP) Symbol

Norms/Standards VDA classification

Search Cancel

Search result is displayed. When multiple results are returned, select an appropriate one. This time, however, as only one result is returned, click 'OK'.

Select material

Please enter search criteria and click OK button.

Material name(EN) Material-No.

Material name(JP) Symbol

Norms/Standards VDA classification

Click OK button and the material information is filled.
Please note that the material information is overwritten if it exists.

1 materials found.

Material name(EN)	Material name(JP)	Norms/Standards	Material-No.	Symbol	VDA classification	ID[Material]
Steel SPOC	-	JISG3141	SPOC		1.1.1	671590420

Notice ! In the case of the material whose substances are registered, ID is displayed in ID [Material].

Based on this search result, the information unique to the material such as Norms/Standards, Material number, VDA classification, Substance code, Substance name, and Substance portion are automatically entered.

Row is automatically copied as many as the number of component substances.

Item No.	SEQ No	Weight [g/part] Auto adjustment	Quantity [upper part]	Material name Select	Trade name	Weight [g/component part] Round off	Norms
8		8.8	2				
9		3.2	2	Steel SPOC			JISG3141
10			2	Steel SPOC			JISG3141
11			2	Steel SPOC			JISG3141
12			2	Steel SPOC			JISG3141
13			2	Steel SPOC			JISG3141
14			2				
15			2				

Item No.	1	17	18	19	20	23	24	25	26
Item	SEQ No	Material number (Metal or other than plastics or rubber materials)	Material symbol (plastics or rubber)	VDA Classification n	Substance count	Chemical presence type Select	Substance code (CAS RN) Select	Substance name	Portion
8									
9		SPOC		1.1.1	1		7440-44-0	Carbon C	0.075
10		SPOC		1.1.1	2		7439-96-5	Manganese Mn	0.5
11		SPOC		1.1.1	3		7723-14-0	Phosphorus P	0.050
12		SPOC		1.1.1	4		7704-34-9	Sulfur S	0.0175
13		SPOC		1.1.1	5		7439-89-6	Iron Fe	99.3575

Item No.	1	35	36	40	41	42	43	44	45	46	47	48
Item	SEQ No	Biocidal Purpose Mass Entry Select	Source of material, including circular materials Entry	Component parts quantity unit Select	Requestor material code or Supplied material code	Substance portion (Minimum)	Substance portion (Maximum)	Substance portion (Rest)	ID (part)	ID (material)	ID (substance)	Internal Mat.-No.
8												
9						0	0.15			671590420	S00006	
10						0	1.0				S00025	
11						0	0.100				S00015	
12						0	0.35				S00016	
13								1			S00026	

Notice!

- ① When the result of automatic entry is changed, ID [Material] is automatically deleted with the error check.
- ② In principle, click 'Material name - Select' button to select a material. As search result, a material with '@' or '\$' in its material code or material symbol may be returned. (e.g.: C1100@) '\$' indicates the material that must enter the adequate letters in \$ while '@' indicates the material that must either be deleted or enter appropriate letters such as the shape symbol of metal (B: Bar, P: Plate, etc.)

Also, the information of plastics fillers (GF35, MD70, etc.) is entered.

- ③ For the material that can't be searched, please consult with the requester for study.

Reference :

For the information regarding the automatic entry of materials of public standard or the External list of material codes and material symbols, refer to the following lists.

- External List Guide
- Appendix: External List Abstract

(Obtain the JAPIA documents from the homepages that post JAPIA Sheet shown in P.4)

Similarly, continue search and select Zinc plating, and Chromate coating as well.

Search 'Zinc plating' in Select material window (Search by Material name 'Zinc plating'), and select Electrolytic zinc plating of the public standard.

Please enter search criteria and click OK button.

Material name(EN) Material-No.

Material name(JP) Symbol

Norms/Standards VDA classification

Search Cancel

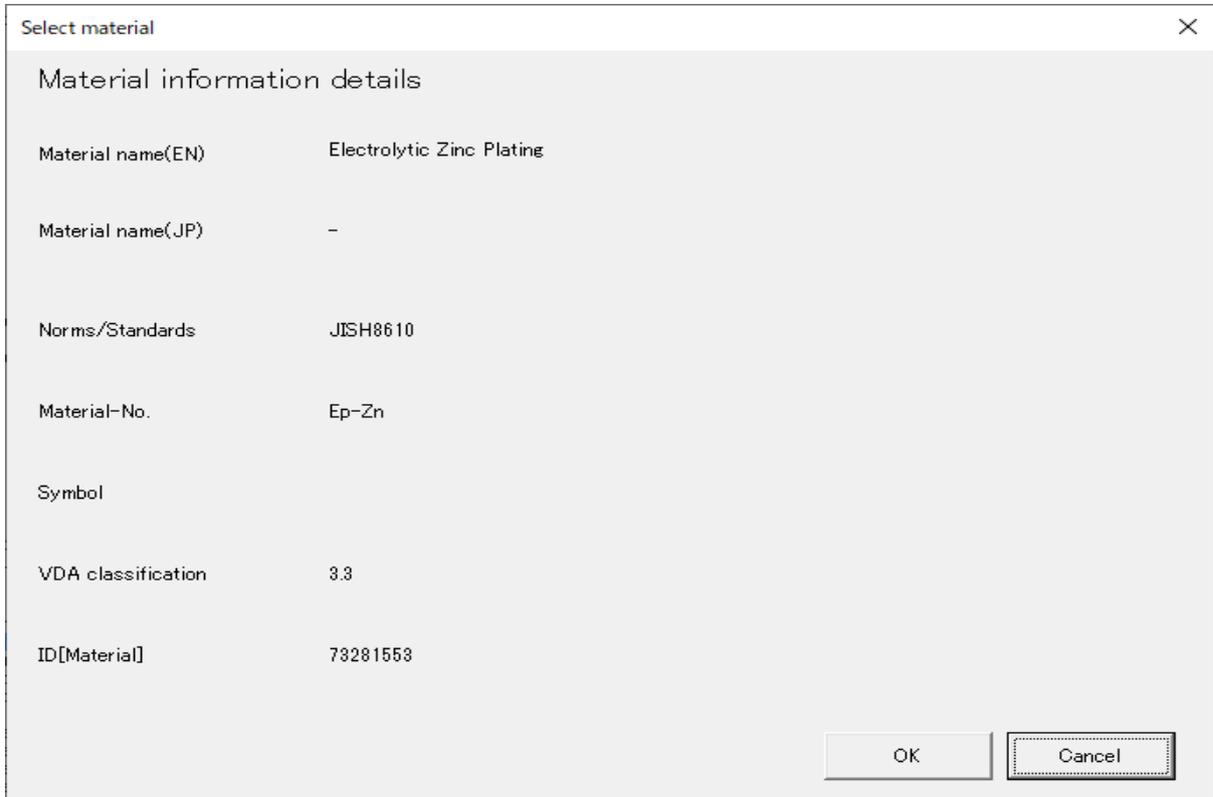
Click OK button and the material information is filled.
Please note that the material information is overwritten if it exists.

46 materials found.

Material name(EN)	Material name(JP)	Norms/Standards	Material-No.	Symbol	VDA classification	ID[Material]
Electroless Zinc Plating	-	JAMAH4444	ELp-Zn		3.3	73281537
Electrolytic Zinc Plating	-	JISH8010	Ep-Zn		3.3	73281553
Electrolytic Tin-Zinc Plating	-	JAMAH4444	Ep-Sn-Zn		4.2	73281552
Zinc Plating	-	ABS\$	\$	@	3.3	
Zinc Plating	-	ASIS\$	\$	@	3.3	
Zinc Plating	-	API\$	\$	@	3.3	
Zinc Plating	-	AS/NZS\$	\$	@	3.3	
Zinc Plating	-	ASME\$	\$	@	3.3	
Zinc Plating	-	ASN\$	\$	@	3.3	
Zinc Plating	-	ASTM\$	\$	@	3.3	
Zinc Plating	-	BS\$	\$	@	3.3	
Zinc Plating	-	CSN\$	\$	@	3.3	
Zinc Plating	-	DIN\$	\$	@	3.3	
Zinc Plating	-	DIN EN\$	\$	@	3.3	

Preview OK Cancel

When clicking 'Preview', it is possible to check the details of materials selected in the Search result screen. In the Search result screen, it isn't possible to display all the material names due to the limitation on the number of letters displayed. In the preview screen, however, it is possible to display the letters that aren't displayed to check the details to select materials.



When clicking 'OK' button on the 'Select material (Preview)' screen, the value is reflected in the Data input form.

* It is the same operation as when selecting search result in the 'Select material' screen, and clicking 'OK' button.

When clicking 'Cancel' button on the Select material (Preview)' screen, it is returned to the search result on the 'Select material' screen. It is possible to select other search results to preview again.

Notice!

If rows are not copied as many as the number of materials, the data is not copied automatically as shown below. In such a case, manual entry or copy is required.

1	9	10	11	13
	COMPONENT PARTS			
SER No	Part name	Weight [g/part] Auto adjustment	Quantity [/upper part]	Material name Select
8	COOLLAR			
9	COOLLAR			
10	COOLLAR			
11	COOLLAR		2	Steel SPCC
12	COOLLAR		2	Steel SPCC
13	COOLLAR		2	Steel SPCC
14				Electrolytic Zinc Plating
15				Electrolytic Zinc Plating

When the row is not copied as many as the number of materials

Next, search Chromate treatment. Click the following cell in the same way as when searching Zinc plating.

1	9	10	11	13
COMPONENT PARTS				
SR No.	Part name	Weight [g/part] Auto adjustment	Quantity [/upper part]	Material name Select
9	COOLLAR	3.2	2	Steel SPCC
10	COOLLAR		2	Steel SPCC
11	COOLLAR		2	Steel SPCC
12	COOLLAR		2	Steel SPCC
13	COOLLAR		2	Steel SPCC
14	COOLLAR		2	Electrolytic Zinc Plating
15	COOLLAR		2	Electrolytic Zinc Plating
16	COOLLAR		2	Electrolytic Zinc Plating

Search Chromate treatment on the Select material screen (Search with a material name 'Plating') and select 'Passivation black for Zn/Zn alloy plating'. When the top coat for preventing rust with Trivalent Chrome is covered, add materials (Copy the row and select the material of the topcoat).

Select material

Search screen for Chromate Treatment

✕

Please enter search criteria and click OK button.

Material name(EN)

Material name(JP)

Norms/Standards

Material-No.

Symbol

VDA classification

Click OK button and the material information is filled.
Please note that the material information is overwritten if it exists.

388 materials found.

Component substances are defined, which are the industry's standard

Material name(EN)	Material name(JP)	Norms/Standards	Material-No.	Symbol	VDA classification	ID[Material]
Electrolytic Tin-Bismuth Plating	-	JAMAH4444	Ep-Sn-Bi		8.1	
Electrolytic Tin-Silver Plating	-	JAMAH4444	Ep-Sn-Ag		8.1	
Electrolytic Tin-Copper Plating	-	JAMAH4444	Ep-Sn-Cu		8.1	
Chromate film clear/transparent CM1 A for Zn/Zn	-	JISH8625	CM1 A		7.3	
Chromate film yellow CM2 C for Zn/Zn alloy plating	-	JISH8625	CM2 C		7.3	
Chromate film black CM2 D for Zn/Zn alloy plating	-	JISH8625	CM2 D		7.3	
Chromate film olive CM2 D for Zn/Zn alloy plating	-	JISH8625	CM2 D		7.3	
Passivation clear/yellow for Zn/Zn alloy plating	-	JAMAHCRF	JAMAHCRF-TR-		7.3	
Passivation black for Zn/Zn alloy plating	-	JAMAHCRF	JAMAHCRF-TR-		7.3	768189201
Chromium-free Passivation for Zn/Zn alloy plating	-	JAMAHCRF	JAMAHCRF-FR-		7.3	
Solder Plating	-	ABS\$	@	@	8.1	
Zinc Plating	-	ABS\$	\$	@	3.3	
Nickel Plating	-	ABS\$	\$	@	3.4	
Gold-Cobalt Plating	-	ABS\$	\$	@	4.2	

When there is a component substance, it is possible to reduce the time for data entry.

1	9	10	11	13
COMPONENT PARTS				Material name
SEQ No	Part name	Weight [g/part] Auto adjustment	Quantity [/upper part]	Select
9	COOLLAR	3.2	2	Steel SPCC
10	COOLLAR		2	Steel SPCC
11	COOLLAR		2	Steel SPCC
12	COOLLAR		2	Steel SPCC
13	COOLLAR		2	Steel SPCC
14	CO			Electrolytic Zinc Plating
15	CO			Electrolytic Zinc Plating
16	CO			Passivation black for Zn/Zn alloy plating
17	COOLLAR		2	Passivation black for Zn/Zn alloy plating
18	COOLLAR		2	Passivation black for Zn/Zn alloy plating
19	COOLLAR		2	Passivation black for Zn/Zn alloy plating
20	COOLLAR		2	Passivation black for Zn/Zn alloy plating
21	COOLLAR		2	Passivation black for Zn/Zn alloy plating

Result after the automatic entry of materials

Declarable flag (D), Prohibited flag (P)

Depending on the value of SVHC flag, the color and font of the substance code (24) and substance name (25) change.

D : BROWN

D/P : PURPLE

P : RED

SVHC : Italic font

17	18	19	20	23	24	25	26
SUBSTANCE							
Material number (Metal or other than plastics or rubber materials)	Material symbol (plastics or rubber)	VDA Classificatio n	Substance count	Chemical presence type Select	Substance code (CAS_RN) Select	Substance name	Portion
SPCC		1.1.1	1		7440-44-0	Carbon C	0.075
SPCC		1.1.1	2		7439-96-5	Manganese Mn	0.5
SPCC		1.1.1	3		7723-14-0	Phosphorus P	0.050
SPCC		1.1.1	4		7704-34-9	Sulfur S	0.0175
SPCC		1.1.1	5		7439-89-6	Iron Fe	99.3575
Ep-Zn		3.3	1		7440-66-6	Zinc Zn	99.75
Ep-Zn		3.3			-	Misc. not to declare	0.25
JAMAHCRF-TR-ZNPL B		7.3	1		1308-38-9	Chromium(III)oxide	10.5
JAMAHCRF-TR-ZNPL B		7.3	2		1308-14-1	Chromium(III)-hydroxide	5.5
JAMAHCRF-TR-ZNPL B		7.3	3	1	7732-18-5	Water	10
JAMAHCRF-TR-ZNPL B		7.3	4		59178-46-0	Dichromium tris(hydrogen phosph	53
JAMAHCRF-TR-ZNPL B		7.3	5		20427-58-1	Zinc-hydroxide	20
JAMAHCRF-TR-ZNPL B		7.3			-	Misc. not to declare	1

JAPIA OPTIONS				MATERIAL		
Substance portion (Minimum)	Substance portion (Maximum)	Substance portion (Rest)	ID (part)	ID (material)	ID (substance)	Internal Mat.-No.
0	0.15			671590420	S00006	
0	1.0				S00025	
0	0.100				S00015	
0	0.035				S00016	
		1			S00026	
		1		73281553	S00030	
0	0.5				W00001	
		1		768189201	S00573	
4.5	6.5				S00572	
9	11				S00582	
50	56				S00581	
18	22				S00578	
0	2				W00001	

With the above operations, the automatic entry of mandatory information of the materials related to 33333300000 COLLAR completes.

Next, enter 'Weight'. As to Zinc plating weight or Chromate treatment weight, enter the value reported from material makers or plating providers.

Result after material weight is entered.

MATERIAL					
Quantity [/upper part]	Material name Select	Trade name	Weight [g/component part] Round off	Norms/Standards	Material number (Metal or other than plastics or rubber materials)
2	Steel SPCC		3.1	JISG3141	SPCC
2	Steel SPCC			JISG3141	SPCC
2	Steel SPCC			JISG3141	SPCC
2	Steel SPCC			JISG3141	SPCC
2	Steel SPCC			JISG3141	SPCC
2	Electrolytic Zinc Plating		0.09	JISH8610	Ep-Zn
2	Electrolytic Zinc Plating			JISH8610	Ep-Zn
2	Passivation black for Zn/Zn alloy plating		0.01	JAMAHCRF	JAMAHCRF-TR-ZNPL B
2	Passivation black for Zn/Zn alloy plating			JAMAHCRF	JAMAHCRF-TR-ZNPL B
2	Passivation black for Zn/Zn alloy plating			JAMAHCRF	JAMAHCRF-TR-ZNPL B
2	Passivation black for Zn/Zn alloy plating			JAMAHCRF	JAMAHCRF-TR-ZNPL B
2	Passivation black for Zn/Zn alloy plating			JAMAHCRF	JAMAHCRF-TR-ZNPL B
2	Passivation black for Zn/Zn alloy plating			JAMAHCRF	JAMAHCRF-TR-ZNPL B
2	Passivation black for Zn/Zn alloy plating			JAMAHCRF	JAMAHCRF-TR-ZNPL B

Next, enter the 'Material name' of other component part. As 2222200000 COLLAR is a homogeneous plastic, it isn't necessary to copy the row. Place the cursor on the following cell, and click 'Select' button.

COMPONENT PARTS				
Part Number	Part name	Weight [g/part] Auto adjustment	Quantity [/upper part]	Material name Select
1111100000	PLATE SUB-ASSY	40	1	
1111111111	PLATE	22	1	
1111122222	NUT, WELD	4.2	4	
1111133333	WELDING	1	1	
1111144444	ZINC PLATING	0.18	1	
1111155555	CHROMATE PLATING	0.02	1	
2222200000	COLLAR	8.8	2	
3333300000	COLLAR	3.2	2	Steel SPCC
3333300000	COLLAR		2	Steel SPCC
3333300000	COLLAR		2	Steel SPCC
3333300000	COLLAR		2	Steel SPCC
3333300000	COLLAR		2	Steel SPCC

2222200000 COLLAR is 35% GF (Fiberglass) reinforced PP (polypropylene). Enter PP as shown below and search. For Plastics/ Rubber, it is convenient to search with Material symbol as it helps to narrow down choices.

Select material X

Please enter search criteria and click OK button.

Material name(EN)	<input type="text"/>	Material-No.	<input type="text"/>
Material name(JP)	<input type="text"/>	Symbol	<input type="text" value="PP"/>
Norms/Standards	<input type="text"/>	VDA classification	<input type="text"/>

Information: Component substance data for automatic entry is not prepared for Plastics / Rubber.

Select material

Please enter search criteria and click OK button.

Material name(EN) Material-No.

Material name(JP) Symbol

Norms/Standards VDA classification

Search Cancel

Click OK button and the material information is filled.
Please note that the material information is overwritten if it exists.

29 materials found.

PP Search result

Material name(EN)	Material name(JP)	Norms/Standards	Material-No.	Symbol	VDA classification	ID[Material]
Plastic welding rods PP	-	JISK6746		PP	6.2	
Plastics PP (Filled)	-	ISO1043		PP-\$	5.1a	
Plastics PP-E (Filled)	-	ISO1043		PP-E-\$	5.1a	
Plastics PP-HI (Filled)	-	ISO1043		PP-HI-\$	5.1a	
Plastics PPE (Filled)	-	ISO1043		PPE-\$	5.1a	
Plastics PPOX (Filled)	-	ISO1043		PPOX-\$	5.1a	
Plastics PPS (Filled)	-	ISO1043		PPS-\$	5.1a	
Plastics PPSU (Filled)	-	ISO1043		PPSU-\$	5.1a	
Plastics PP alloy (Filled)	-	ISO1043		PP+\$-\$	5.1a	
Plastics PP-E alloy (Filled)	-	ISO1043		PP-E+\$-\$	5.1a	
Plastics PP-HI alloy (Filled)	-	ISO1043		PP-HI+\$-\$	5.1a	
Plastics PPE alloy (Filled)	-	ISO1043		PPE+\$-\$	5.1a	
Plastics PPOX alloy (Filled)	-	ISO1043		PPOX+\$-\$	5.1a	
Plastics PPS alloy (Filled)	-	ISO1043		PPS+\$-\$	5.1a	

Preview OK Cancel

MATERIAL					
Material name	Trade name	Weight [g/component part]	Norms/Standards	Material number (Metal or other than plastics or rubber materials)	Material symbol (plastics or rubber)
Plastics PP (Filled)		3.1	ISO1043		PP-GF35
Steel SPCC			JISG3141		SPCC

PP-\$ à PP-GF35 entry result

Next, enter the materials of 1111100000 sub-assembly. If its child-parts PLATE, or NUT, WELD has part No., enter the material of each part, SPCC or S25C with using the automatic entry function.

COMPONENT PARTS			
Part name	Weight [g/part]	Quantity [upper part]	Select
PLATE	22	1	Steel SPCC
PLATE		1	Steel SPCC
PLATE		1	Steel SPCC
PLATE		1	Steel SPCC
PLATE		1	Steel SPCC
NUT, WELD	4.2	4	Steel S25C
NUT, WELD		4	Steel S25C
NUT, WELD		4	Steel S25C
NUT, WELD		4	Steel S25C
NUT, WELD		4	Steel S25C
NUT, WELD		4	Steel S25C
NUT, WELD		4	Steel S25C
NUT, WELD		4	Steel S25C
NUT, WELD		4	Steel S25C

SPCC/S25C automatic entry result

Next, enter the materials of dummy component parts of welding rod, zinc plating, and chromate plating, which were setup on P.11.

Use the automatic entry function to enter welding bar (SWY11), zinc plating, and chromate treatment (Passivation black for Zn/Zn alloy plating).

This is the section where Welding bar, Zinc plating, Chromate are entered.

COMPONENT PARTS					
Part Structure	Part Number	Part name	Weight [g/part] Auto adjustment	Quantity [/upper part]	Material name Select
3	1111122222	NUT, WELD		4	Steel S25C
3	1111133333	WELDING	1	1	
3	1111144444	ZINC PLATING	0.18	1	
3	1111155555	CHROMATE PLATING	0.02	1	
2	2222200000	COLLAR	8.8	2	Plastics PP (Filled)
2	3333300000	COLLAR	3.2	2	Steel SPCC
2	3333300000	COLLAR		2	Steel SPCC
2	3333300000	COLLAR		2	Steel SPCC
2	3333300000	COLLAR		2	Steel SPCC

Enter "Weight" of Welding bar (1g), Zinc plating(0.18g), Chromate(0.02g) to complete the entry of "Material".

Result after the automatic entry of Welding bar, Zinc plating, and Chromate

COMPONENT PARTS					
Part name	Weight [g/part] Auto adjustment	Quantity [/upper part]	Material name Select		
WELDING	1	1	Steel SWY11		
WELDING		1	Steel SWY11		
WELDING		1	Steel SWY11		
WELDING		1	Steel SWY11		
WELDING		1	Steel SWY11		
WELDING		1	Steel SWY11		
WELDING		1	Steel SWY11		
ZINC PLATING	0.18	1	Electrolytic Zinc Plating		
ZINC PLATING		1	Electrolytic Zinc Plating		
CHROMATE PLATING	0.02	1	Passivation black for Zn/Zn alloy plating		
CHROMATE PLATING		1	Passivation black for Zn/Zn alloy plating		
CHROMATE PLATING		1	Passivation black for Zn/Zn alloy plating		
CHROMATE PLATING		1	Passivation black for Zn/Zn alloy plating		
CHROMATE PLATING		1	Passivation black for Zn/Zn alloy plating		
CHROMATE PLATING		1	Passivation black for Zn/Zn alloy plating		

Information : In this step, when pressing the 'Automatic adjustment' button of 'Weight [g/part]', it is changed to an automatic calculation to prevent errors in the error check. Similarly, when pressing the 'Automatic adjustment' button in 'Delivery part weight', it is possible to compare with the Drawing weight value.

4) Entry of substance information

Next, enter substance information used for each material. As previously mentioned, an important point here is 'It is the number of substances that dictates the number of rows to be entered.'

Item No.	Item Name	Mandatory / Option
20	Substance count	Mandatory (For entering a substance. When a substance code is a system, however, it should be left blank.)
23	Chemical presence type	Mandatory (When a substance is the process chemical and the substance portion exceeds 0.1%.)
24	Substance code (CAS RN)	Mandatory (When entering a substance)
25	Substance name	Mandatory (When entering a substance)
26	Substance portion	Mandatory (When entering a substance)

In the case of 'SPCC', it is also possible to enter the information as exemplified below with using the information of JIS or MILL sheet. (Latest substance list must be referred.)

Substance (Substance name)	Substance portion (%)
Iron	Rest
Carbon	0.15
Manganese	0.6
Phosphorus	0.1
Sulfur	0.05
Total	100.0

Enter the data without tolerances such as inspection data to 'Substance portion'. Please use 'Substance portion (Minimum)', 'Substance portion (Maximum)' 'Substance portion (Rest)' in JAPIA Options to enter the data with tolerances as the data is automatically entered to 'Substance portion' with the error check.

Notice !

Only in the case of VDA material classification 5.x or 6.x, when the Substance portion per material is 100% (Fixed value) or 1 (Rest), "Warning" is displayed with the error check. This is the function added for preventing the entry omission of additives to plastics or rubbers. It is necessary to judge whether this should be modified.

Notice !

As the declarable or prohibited substances, or SVHC information in the substance list are changed in accordance with the revision of environment rules, please confirm the latest information.

Also, GADSL is updated at any time. Accordingly, the substance list is also updated.

In the case of this example, as of now, the data of all materials excluding 'PP-GF35' are automatically entered with using the automatic entry function.

SUBSTANCE			SUBSTANCE		SUBSTANCE		SUBSTANCE		
Material number (Metal or other than plastics or rubber materials)	Material symbol (plastics or rubber)	VDA Classification	Substance count	Chemical presence type <input type="button" value="Select"/>	Substance code (CAS RN) <input type="button" value="Select"/>	Substance name	Portion	Content of post industrial recyclate (Minimum)	Content of post industrial recyclate (Maximum)
	PP-GF35	5.1.a							
SPOC		1.1.1	1		7440-44-0	Carbon C	0.075		
SPOC		1.1.1	2		7439-96-5	Manganese Mn	0.5		

To simplify the explanation, the following substances are used as examples.

Substance (Substance name)	Substance portion (%)
PP	60
Glass fiber	35
Other	5
Total	100

Copy the row of PP-GF35 to make three rows to enter three substances.

SUBSTANCE			SUBSTANCE		SUBSTANCE		RECYCLATE			
Material symbol (plastics or rubber)	VDA Classification	Substance count	Chemical presence type <input type="button" value="Select"/>	Substance code (CAS_RN) <input type="button" value="Select"/>	Substance name	Portion	Content of post industrial recyclate (Minimum)	Content of post industrial recyclate (Maximum)	Content of post consumer recyclate (Minimum)	Content of post consumer recyclate (Maximum)
PP-GF35	5.1.a									
PP-GF35	5.1.a									
PP-GF35	5.1.a									
	1.1.1	1		7440-44-0	Carbon C	0.075				

Select the cell of 'Substance code' to enter PP or GF and click 'Select' button.

SUBSTANCE			SUBSTANCE		SUBSTANCE		RECYCLATE			
Material symbol (plastics or rubber)	VDA Classification	Substance count	Chemical presence type <input type="button" value="Select"/>	Substance code (CAS_RN) <input type="button" value="Select"/>	Substance name	Portion	Content of post industrial recyclate (Minimum)	Content of post industrial recyclate (Maximum)	Content of post consumer recyclate (Minimum)	Content of post consumer recyclate (Maximum)
PP-GF35	5.1.a									
PP-GF35	5.1.a									
PP-GF35	5.1.a									
	1.1.1	1		7440-44-0	Carbon C	0.075				

Enter 'PP' (Double-byte character) in the substance name click 'Search' button, and the following screen appears.

Please enter search criteria and click OK button.

CAS_RN
 ID[Substance]
 Substance Name: PP
 Substance Name(JP)

Search Cancel

130 substances found.

CAS_RN	Substance Name	Substance Name(JP)	ID[Substance]	declarable(D)	prohibited(P)	SVHC	Process chemical
7440-50-8	Copper Cu	-	S00029	Yes			
-	Plastics PP	-	S00671				
-	Plastics PP-E	-	S00672				
-	Plastics PP-I	-	S00673				
-	Plastics PPE	-	S00674				
-	Plastics PPOX	-	S00675				
-	Plastics PPS	-	S00676				
-	Plastics PPSU	-	S00677				
-	Thermoplastic elastomers TPO-(EPDM+PP)	-	S00782				
-	Thermoplastic elastomers TPV-(EPDM+PP)	-	S00794				
-	Thermoplastic elastomers TPV-(NBR+PP)	-	S00795				
-	Thermoplastic elastomers TPV-(NR+PP)	-	S00796				
-	Thermoplastic elastomers TPV-(ENR+PP)	-	S00797				
-	Thermoplastic elastomers TPV-(IR+PP)	-	S00798				

Preview OK Cancel

Substance information details

CAS_RN: -

Substance Name: Plastics PP

Substance Name(JP): -

ID[Substance]: S00671

declarable(D)
 prohibited(P)
 SVHC
 Process chemical

OK Cancel

When clicking 'OK' on the 'Select substance (Preview)' screen, the value is reflected to the Data input form.

* It is the same operation as when selecting Search result on the 'Select substance' screen and clicking 'OK' button.

Glass fiber is also searched in the same way as follows.

Select substance

Please enter search criteria and click OK button.

CAS_RN

ID[Substance]

Substance Name

Substance Name(JP)

6 substances found.

CAS_RN	Substance Name	Substance Name(JP)	ID[Substance]	declarable(D)	prohibited(P)	SV(HC)	Process chemical
398477-47-9	Silver-zinc-aluminium-boronphosphate glass; Glass o-	-	S01411	Yes	Yes		
308069-39-8	Silver phosphate glass	-	S01416	Yes			
-	GF Glass fibre	-	S04478				
-	Glass not containing declared substance	-	S04680				
-	Fillers and reinforcing materials(ISO 1043-2) GB(Glas	-	S04741				
-	Fillers and reinforcing materials(ISO 1043-2) GS(Glas	-	S04805				

For 'Other' substances, enter 'misc' (single-byte) in the substance name, click 'Search' button, and the following screen is displayed.

Select substance

Please enter search criteria and click OK button.

CAS_RN

ID[Substance]

Substance Name

Substance Name(JP)

2 substances found.

CAS_RN	Substance Name	Substance Name(JP)	ID[Substance]	declarable(D)	prohibited(P)	SV(HC)	Process chemical
-	Misch metal	-	S04013				
-	Misc., not to declare	-	W00001				

Select 'Misc., not to declare', click 'OK' button, and the value is reflected to the Data input form.

Next, enter the 'Substance portion'.

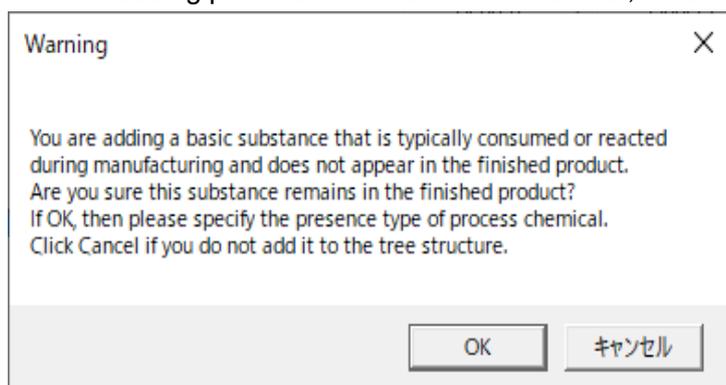
The result of entering the data of three substances is shown below.

1	18		19	20		23		24	25		26
SUBSTANCE											
SEQ. No	Material symbol (plastics or rubber)	YDA Classification	Substance count	Chemical presence type	Substance code (CAS RN)	Substance name		Portion			
26	B	7.3	1	Select	1308-38-9	Chromium(III)oxide		10.5			
27	B	7.3	2		1308-14-1	Chromium(III)-hydroxide		5.5			
28	B	7.3	3	1	7732-18-5	Water		10			
29	B	7.3	4		59178-46-0	Dichromium tris(hydrogen phosph		53			
30	B	7.3	5		20427-58-1	Zinc-hydroxide		20			
31	B	7.3			-	Misc. not to declare		1			
32	PP-GF35	5.1.a			-	Plastics PP		60			
33	PP-GF35	5.1.a	1		-	GF Glass fibre		35			
34	PP-GF35	5.1.a	1		-	Misch metal		5			
35		1.1.1	1		7440-44-0	Carbon C		0.075			

oChemical presence type

In the report of chemical substances, only the substances included in the final product must be entered. Therefore, process chemicals used in manufacturing processes should not be entered, which is checked by the system.

When adding process chemicals to the material, a warning is displayed on a popup screen.



When clicking 'OK' on this screen, the process chemical is entered to the Data input form.

In addition, when the substance portion of process chemical is 0.1% or more, the precise value (1-3) must be entered to 'Chemical presence type'.

Select 'Chemical presence type' in the row of the concerned process chemical and click 'Select' button.

SUBSTANCE			
Chemical presence type	Substance code (CAS RN)	Substance name	Portion
Select	Select		
	1308-38-9	Chromium(III)oxide	10.5
	1308-14-1	Chromium(III)-hydroxide	5.5
	7732-18-5	Water	10

The screen to select 'Process chemical presence' is displayed.

Select an adequate presence type, click 'OK' button, and codes are entered to the Data input form.

Code	Presence type
1	Intended use
2	Reaction residue
3	Impurity

In this example, with selecting Passivation black for Zn/Zn alloy plating, a process chemical 'Water' exists in the substances automatically entered and presence type '1' is selected.

18	19	20	23	24	25	26
		SUBSTANCE				
<u>Material symbol</u> (plastics or rubber)	<u>VDA</u> <u>Classification</u> <u>n</u>	<u>Substance</u> <u>count</u>	<u>Chemical</u> <u>presence type</u>	<u>Substance</u> <u>code (CAS_RN)</u>	<u>Substance name</u>	<u>Portion</u>
			Select	Select		
3	7.3	1		1308-38-9	Chromium(III)oxide	10.5
3	7.3	2		1308-14-1	Chromium(III)-hydroxide	5.5
3	7.3	3	1	7732-18-5	Water	10
3	7.3	4		59178-46-0	Dichromium tris(hydrogen phosph	53
3	7.3	5		20427-58-1	Zinc-hydroxide	20
3	7.3			-	Misc, not to declare	1

Important!

When the substance portion of process chemical is 0.1% or less, even without values in 'Presence type of process chemical', it doesn't cause an error with the error check explained below.

Regardless of the substance portion of process chemical, if the value in 'Presence type of process chemical' is not 1, 2, 3, an error occurs in the error check explained below.

Notice!

- ① Enter the information of substances in products in accordance with the instruction from your requestor. Maximum value of 'Others' is based on the recommendation by IMDS, which is the global data collection system. When the value exceeds 10%, Warning is issued with the error check (Please consult with your requestor).
- ② Substance with a flag of SVHC is basically a substance contained in the Candidate List.

Information:

Go to JAPIA Official site where the JAPIA Sheet is posted (refer to P.4) to obtain the 'List of substances in product'

Go to the following site to obtain GADSL:

GADSL (Global Automotive Declarable Substance List)

Official Site: <https://www.gadsl.org/>



Welcome to the new Global Automotive Declarable Substance List (GADSL) website. As of January 1, 2020, we have instituted a registration requirement to better serve the GADSL community. If you have any questions please contact info@GADSL.org.

The GADSL is the result of the efforts of a global team from the automotive, automotive parts supplier (tier supplier) and chemical/plastics industries who have organized the Global Automotive Stakeholders Group (GASG). The GASG's purpose is to facilitate communication and exchange of information regarding the use of certain substances in automotive products throughout the supply chain. The GADSL only covers substances that are expected to be present in a material or part that remains in a vehicle at point of sale.

In recent years many individual declarable substance lists were developed to exchange information regarding the material and substance composition of automotive parts. The experience gained by the above industries in using these multiple lists has shown that the declaration process could be improved upon and this was a key reason for developing a single, globally harmonized list with clear criteria and a transparent process to manage future versions of the GADSL.

Two downloadable documents are available, GADSL Guidance Document (PDF) and GADSL Reference List (Excel). The GADSL file is the master document that lists individual declarable substances, substance groups (families) and describes how the GADSL should be used. The Reference file provides CAS numbers for individual substances of a chemical group or family (e.g. lead and its compounds) appearing on the GADSL, should they be needed.

Should you have any questions or comments about the Global Automotive Stakeholders Group or the GADSL, please contact a member or staff person of the GASG Steering Committee, listed in the Contact Information.

Download Materials

In order to use all of the features on GADSL.org, we recommend that you use a modern browser (Chrome, Firefox, or Safari).

As of January 1, 2020, we have instituted a registration requirement to better serve the GADSL community. If you have any questions please contact info@GADSL.org.

Please fill out the registration form below to receive access to the:

- GADSL Guidance Document
- Reference List
- Contact Information

Registration valid for 2 years.

First Name*

Last Name*

Email*

Company Name

Country

I have read and agree to the [Terms and Conditions Agreement](#)

Download

*required

5) Entry of recycled and regulated materials and substances

o Recyclate

“Here, recyclate’ (item No. 28 - 31) does not need to be entered for all materials. Enter Recyclate in the source item No. 36 for the material containing the circulating material”

19	20	23	24	25	26	28	29	30	31
SUBSTANCE						RECYCLATE			
VDA Classification	Substance count	Chemical presence type	Substance code (CAS_RN)	Substance name	Portion	Content of post industrial recyclate (Minimum)	Content of post industrial recyclate (Maximum)	Content of post consumer recyclate (Minimum)	Content of post consumer recyclate (Maximum)
		Select	Select						
7.3			-	Misc. not to declare	1	0	0	0	0
5.1.a		1	-	Plastics PP	60	0	0	0	0
5.1.a		2	-	GF Glass fibre	35	0	0	0	0
5.1.a			-	Misc. not to declare	5	0	0	0	0
1.1.1		1	7440-44-0	Carbon C	0.075				

o Polymeric part(s) marked

In accordance with EU-ELV, it is mandatory to enter ‘Polymeric part marked: Item No. 32’ when Plastics is over ‘100g’ and Rubber, ‘200g’.

o Application code

Next, enter the data to ‘Application’ of the substance that requires such a code.

24	25	28	29	30	31	32	34
SUBSTANCE			RECYCLATE				Application
Substance code (CAS_RN)	Substance name	Portion	Content of post industrial recyclate (Minimum)	Content of post industrial recyclate (Maximum)	Content of post consumer recyclate (Minimum)	Content of post consumer recyclate (Maximum)	Polymeric part(s) marked
Select							Select
7440-50-0	Copper Cu	0.15					
7440-02-0	Nickel Ni	0.1					
7439-89-6	Iron Fe	98.6675					
7440-44-0	Carbon C	0.045	0	0	0	0	
7440-21-8	Silicon Si	0.015					

Click the cell of the substance that requires such a code, click ‘Select’ button, and the following screen is displayed. This time, select ‘[34] Not applicable’.

Select application code ✕

Please select application code.

[32] Component of a surface likely to be routinely touched (eg. handles and buckles), that have a nickel release rate exceeding 0.5mcg/cm2/week.

[33] Other application (Surface not routinely touched or nickel release rate < 0.5mcg/cm2/week)

[34] Not applicable

As a result of selection, ‘34’ is entered.

24 SUBSTANCE			28 29 30 31 RECYCLATE				32 34	
Substance code (CAS_RN)	Substance name	Portion	Content of post industrial recycle (Minimum)	Content of post industrial recycle (Maximum)	Content of post consumer recycle (Minimum)	Content of post consumer recycle (Maximum)	Polymeric part(s) marked	Application
Select								Select
7440-50-0	Copper Cu	0.15						
7440-02-0	Nickel Ni	0.1						34

Notice!

- ① ‘Application’ shows the application codes corresponding to EU-ELV ANNEX II. As codes are changed every time EU-ELV is revised, it is necessary to use the latest JAPIA Sheet in accordance with the revised EU-ELV.
- ② Substances that need to enter ‘Application’ are Lead, Cadmium, Mercury, Hexavalent chromium , Nickel, Polycyclic aromatic hydrocarbons (PAH).

oBiocidal purpose

When a substance entered is the substance (Active Substance) included in the scope of BPR (The European Biocidal Products Regulation) , enter either “N “ (Not used for Biocidal Purpose) or Product-type to “Biocidal Purpose” in the column 35.

32		34		35		36		40		41		42		43	
Polymeric part(s) marked		Application		Biocidal Purpose		Source of material, including circular materials		Component parts quantity unit		Requestor material code or Supplied material code		Substance portion (Minimum)		Substance portion (Maximum)	
	Select	Mass Entry	Select		Entry		Select								
Code of Polymeric marked on component or not	Usage code of substance in regulated in IMDS	Code indicating the biocidal purpose presence and product type in the European Biocidal Products Regulation		The combined value of the values of each item in "Input screen for Source of material, including circular materials" with a specific delimiter.		Unit of component part	Quantity	Material symbol defined by the requestor in the drawings and/or the Standard		Substance portion (Minimum)		Substance portion (Maximum)			
										[%]		[%]			

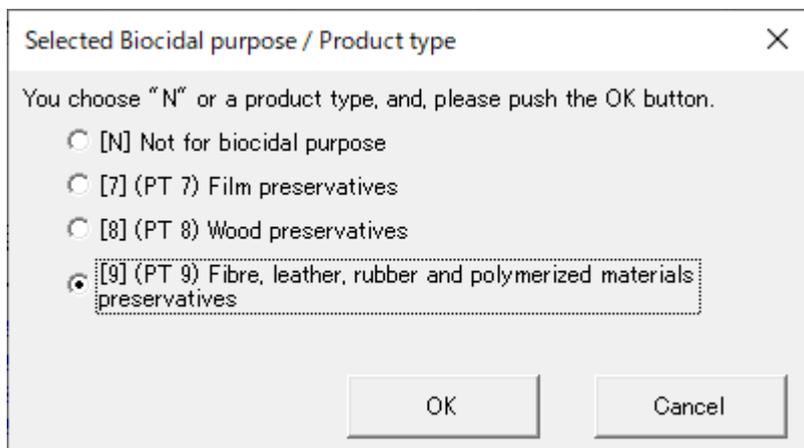
Information:

- A substance included in the scope of BPR is called “Active Substance”, which is included in GADSL “Biocidal coatings / biocidal additives, selected”.
- Product-Type is a classification by the purpose for using “Active Substance”. ‘Product types’ currently considered to be used for automobile are the following three.
 - 7: Film preservatives (including coating)
 - 8: Wood preservatives
 - 9: Fiber, leather, rubber and polymerized materials preservatives

Place a cursor at the cell to enter “Biocidal Purpose”, and press ‘Select’ button. When the following screen is displayed, select ‘N’ or a Product-type.

When the location of a cell isn’t correct, or a substance in the line isn’t “Active Substance”, a warning message is displayed.

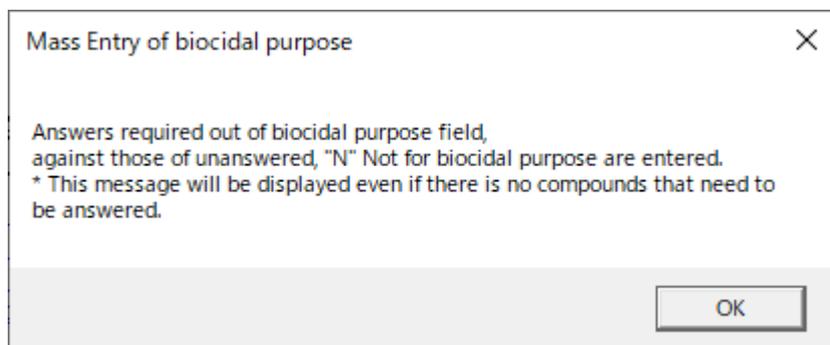
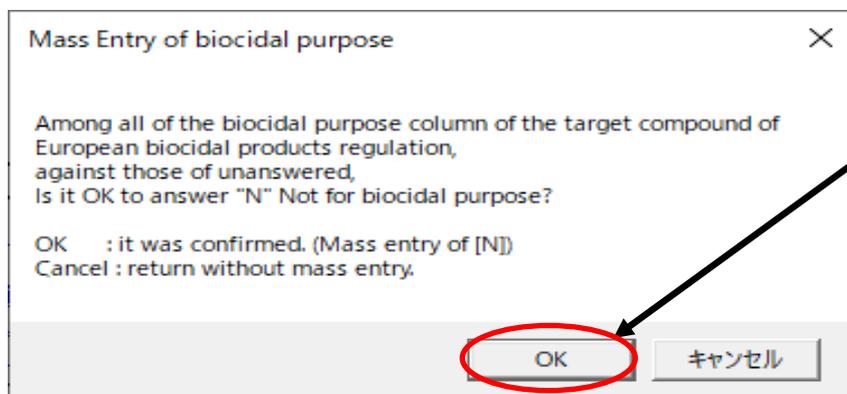
When “Biocidal Purpose” is other than “N”, “7”, “8”, or “9”, an error occurs with “Error Check” of JAPIA Sheet.



In actual operations, there are many “N” cases even if a substance is an “Active Substance”.

Therefore, in JAPIA Sheet, it is possible to enter “N” to all “Biocidal Purpose” cells of “Active substance” at once, when the cells are empty.

When pressing ‘Mass Entry’ button, the following screen is displayed. When pressing ‘OK’ button, “N” is entered automatically.



Source of material containing circulating material

"For automotive applications, if the VDA material classification code is 5.x, you must enter the Source of Material with Circulating Material (Item No. 36) information. If VDA material classification code is other than 5.x, enter is optional. For non-automotive applications, enter is optional for all VDA material classification codes."

26	28	29	30	31	32	34	35	36	40	41
	RECYCLATE									
Portion	Content of post industrial recycle (Minimum)	Content of post industrial recycle (Maximum)	Content of post consumer recycle (Minimum)	Content of post consumer recycle (Maximum)	Polymeric part(s) marked	Application Select	Biocidal Purpose Mass Entry Select	Source of material, including circular materials Entry	Component parts quantity unit Select	Requestor material code or Supplied material code

Source of material, including circular materials

Content of inorganic or fossil-based material
 - %

Does the material contain recycle?

Content of primary inorganic or fossil-based material
 - %

Content of recycle
 - %

Content of mechanical recycle thereof
 - %

Content of pre-consumer recycle thereof
 - %

Content of post-consumer recycle thereof
 - %

Content of chemical recycle thereof
 - %

Content of pre-consumer recycle thereof
 - % mass-balanced

Content of post-consumer recycle thereof
 - % mass-balanced

Certified according to

Content of bio-based material
 - %

Content of primary bio-based material
 - %

Content of secondary bio-based material
 - % mass-balanced

Certified according to

Apply Cancel

- ① Hover over first row of material [Initial value: Blank] Not applicable for materials with registered class
 - ② Press the "Input" button.
 - ③ Input the value in the input screen (popup).
 - ④ Press Apply.
 - ⑤ The values entered in the input screen are combined with "|" (half-width pipe character) and set to item number 36.
 - ⑥ When "Input" is pressed while the value is set to the item number 36, the value is reflected in the input screen.
- When "Input" is pressed in the state where a value which cannot be reflected in the input screen is set, a warning message is displayed , and all the values in the input screen are set to the non-input state.

Example of material input without containing recycled material

26	28	29	30	31	32	34	35	36	40	41
	RECYCLATE									
Portion	Content of post industrial recycle (Minimum)	Content of post industrial recycle (Maximum)	Content of post consumer recycle (Minimum)	Content of post consumer recycle (Maximum)	Polymeric part(s) marked	Application Select	Biocidal Purpose Mass Entry Select	Source of material, including circular materials Entry	Component parts quantity unit Select	Requestor material code or Supplied material code

Source of material, including circular materials



Content of inorganic or fossil-based material
 - %

Does the material contain recycle?

Content of primary inorganic or fossil-based material
 - %

Content of recycle
 - %

Content of mechanical recycle thereof
 - %

Content of pre-consumer recycle thereof
 - %

Content of post-consumer recycle thereof
 - %

Content of chemical recycle thereof
 - %

Content of pre-consumer recycle thereof
 - % mass-balanced

Content of post-consumer recycle thereof
 - % mass-balanced

Certified according to

Content of bio-based material
 - %

Content of primary bio-based material
 - %

Content of secondary bio-based material
 - % mass-balanced

Certified according to

Apply Cancel

If a value enter for the item that should be blank, there will be an error.

Blank item entries must contain 17 empty pipe characters 「|」

26	28	29	30	31	32	34	35	36	40
	RECYCLATE								
Portion	Content of post industrial recycle (Minimum)	Content of post industrial recycle (Maximum)	Content of post consumer recycle (Minimum)	Content of post consumer recycle (Maximum)	Polymeric part(s) marked	Application Select	Biocidal Purpose Mass Entry Select	Source of material, including circular materials Entry	Component parts quantity unit Select
								100.0-100.0 NA 17 0.0-0.0	

Source of material, including circular materials

Content of inorganic or fossil-based material
 - %

Does the material contain recycle?

Content of primary inorganic or fossil-based material
 - %

Content of recycle
 - %

Content of mechanical recycle thereof
 - %

Content of pre-consumer recycle thereof
 - %

Content of post-consumer recycle thereof
 - %

Content of chemical recycle thereof
 - %

Content of pre-consumer recycle thereof
 - % mass-balanced

Content of post-consumer recycle thereof
 - % mass-balanced

Certified according to

Content of bio-based material
 - %

Content of primary bio-based material
 - %

Content of secondary bio-based material
 - % mass-balanced

Certified according to

× Enter the total content to be 100%. If it is not 100%, pressing "Apply" will cause an error. Also enter 100% for the other paired percentages.

Percentage of mechanical recycling
 If the difference between the minimum and maximum values is not 20% or less, pressing Apply results in an error.

"Operation and precautions when "Check input data" is pressed"

Data check **Import CSV** **Export as CSV** **Delete all**

(1) Basic information

Item	Automobile manufacturer code	Supplier code	Supplier Name	Due Date	Reply Date
Data type	ASCII characters	ASCII characters	ASCII characters	ASCII characters	ASCII characters
Entered by:	requestor or supplier	requestor or supplier	requestor or supplier	requestor or supplier	supplier
	M111	S222	XXX Corporation	2020/6/01	20205/01

- An error occurs If a value other than the first line of the material with item number 36 is set.
- An error occurs if item number 36 has a different format (for example, 15 pipes).

• If the first line of material in item number 36 is blank, a warning message is displayed and the following default values are set: "Percentage of inorganic or fossil-based material" = "100.0 ~ 100.0%" "Does the material include recycled materials?" = "Not answered" "Percentage of bio-based material" = "0.0 ~ 0.0%" →

→100.0-100.0|NA|||||||0.0-0.0||||

• The relationship between item number 36 and VDA material classification is not checked.

[Precautions] Automotive Use

VDA material classification 5.x must be entered on the JAPIA sheet. and the following checks are not performed, so please check them by yourself.

VDA material classification	
Mechanical recycle	1~5、7.1、7.2
Chemical recycle	All
Bio-based material	5、6、9.1~9.4

• Operation and Precautions when Importing a CSV File from Version 4.10b or Earlier with Version 4.20

26	28	29	30	31	32	34	35	36	40	41	42	43
RECYCLATE						Applicati on	Biocidal Purpose	Source of material, including circular materials	Componen t parts quantity, unit	Requestor material code or Supplied material code	Substanc e portion (Minimum)	Substanc e portion (Maximum)
Portion	Content of post industrial recyclate (Minimum)	Content of post industrial recyclate (Maximum)	Content of post consumer recyclate (Minimum)	Content of post consumer recyclate (Maximum)	Polymeric part(s) marked	Select	Mass Entry Select	Entry	Select			
99.95	0	0	0	0			N				99.90	100
0.05												
99.0	0	0	0	0								

• Importing CSV Files

When the value described in the CSV file is read and the item number 36 is entered, the entry restriction is not applied to the item number 28~31 because it may be used as a reference, so the value editing is not automatically applied to the item number 36 even if the item number 28~31 contains some numerical value.

• Check input data

The check for item number 28~31 (Automatic input, relationship to VDA material classification, etc.) is deprecated, and the value it contains is retained

• CSV File Output

No matter what value is included in item number 28~31, it is output to CSV as is.

[Precautions]

Do not refuse to accept any discrepancy between item No. 28~31 and item No. 36.

6) Entry of basic information

Basic information is entered by the requestors for study when they make a request for studying JAPIA Sheet for their internal management. This is an optional item.

Data check	Import CSV	Export as CSV	Delete all		
(1) Basic information					
Item	<u>Automobile manufacturer code</u>	<u>Supplier code</u>	<u>Supplier Name</u>	<u>Due Date</u>	<u>Reply Date</u>
Data type	ASCII characters	ASCII characters	ASCII characters	ASCII characters	ASCII characters
Entered by:	requestor or supplier	requestor or supplier	requestor or supplier	requestor or supplier	supplier
	M111	S222	XXX Corporation	2020/6/01	20205/01

3.4 Error Check

Notice!

When executing “Error check”, the data that has been already entered might be overwritten automatically due to the function to check the consistency of registered information.

Therefore, if operators consider it necessary, take the backup of the data before executing “Error check”.

The same should be done when executing “Error check” after making modifications to errors.

When pressing ‘Data check’ button, the check result is displayed in ‘MESSAGE’ sheet.

Item	Automobile manufacturer code	Supplier code	Supplier Name	Due Date	Reply Date
Data type	ASCII characters	ASCII characters	ASCII characters	ASCII characters	ASCII characters
Entered by:	requestor or supplier	requestor or supplier	requestor or supplier	requestor or supplier	supplier

By clicking the button ‘Stop data check’ at the top of the "Message" sheet, the error check is stopped.

Click the button when you need to fix errors in the check result displayed in advance. .

Depending on the timing of clicking the button, it may take several minutes to stop the process.

[MESSAGE sheet screen]

Clicking codes in the column ‘A’ will jump to the location where an error occurs.

Here, ‘Error’ must be corrected.

With the error check, depending on the value of Declarable flag (D), Prohibited flag (P), SVHC flag, the color and font of the substance code (24) and substance name (25) are changed.

Color and font of letters that are changed

- Declarable flag (D) : **BROWN**
- Declarable flag / Prohibited flag (D/P): **PURPLE**
- Prohibited flag (P) : **RED**
- SVHC : *Italic font*

After modifying the error, save it, and click 'Error check' again.

1		
2	Stop data check	After clicking the button, it may take several minutes to stop the check processing.
3		
4	No error found	
5		
6		

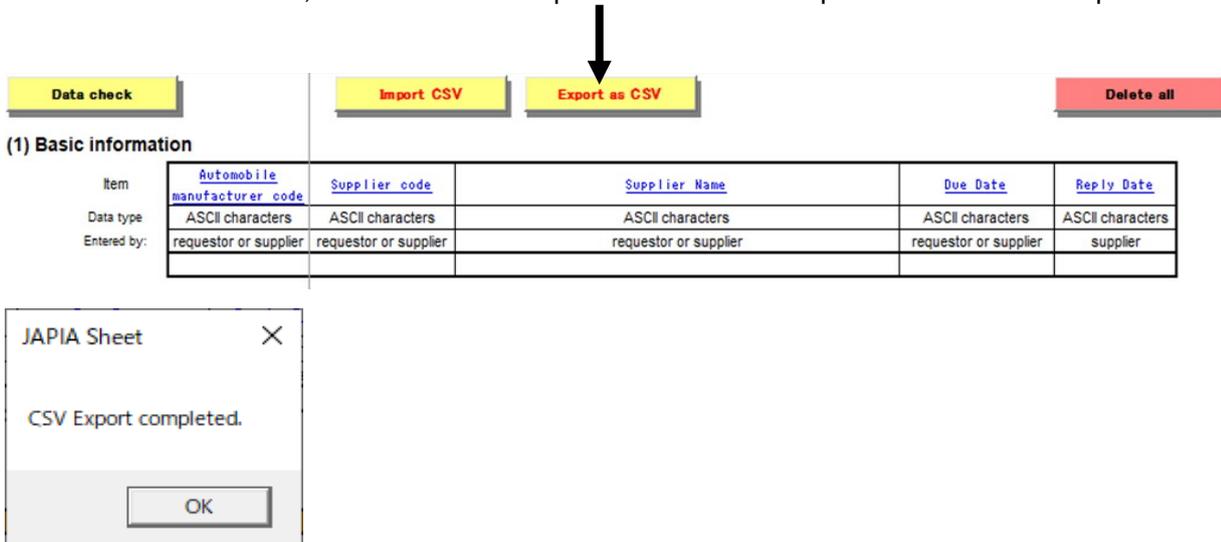
When the error is corrected, the message 'No error found' is displayed.

Notice !

- Make sure to execute "Error check" and to confirm that the message 'No error found' is displayed.
- Depending on data size or PC model, it may take time till the error check completes.
- If the data created with old versions (without errors) is used with a new version, an error or warning may appear. Such a case occurs when the External list is changed in line with JIS revision.

3.5 Data Export

To convert to CSV file, click the button 'Export as CSV' at the top of the JAPIA Data input form.



Data volume is reduced to several KB after the conversion to CSV file.

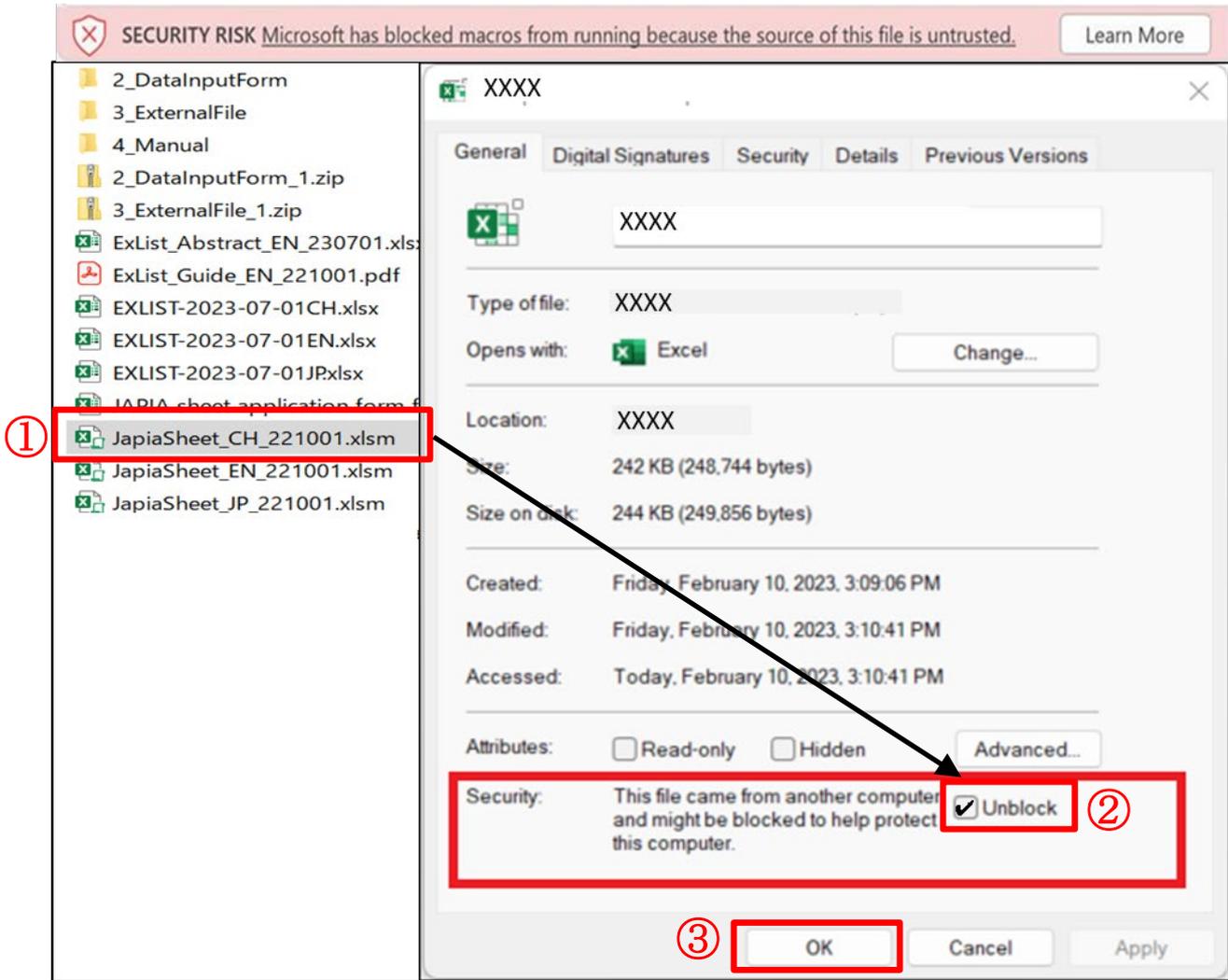
When compressing data sheet, change the extension of the compressed data. As the file has an extension (e.g.: ZIP) that many requestors for the study can't send by their virus check system, consult with your requestors to change the extension (e.g.: ZIP à ZI_).

Check the latest information in the JAPIA formal site continuously. Also, when a problem occurs, please consult with your requestors.

4. Others

4.1 List of Errors / Warnings

If the red message bar "Security risk" is displayed after starting the JAPIA sheet and entering the password, you can cancel by the following method.



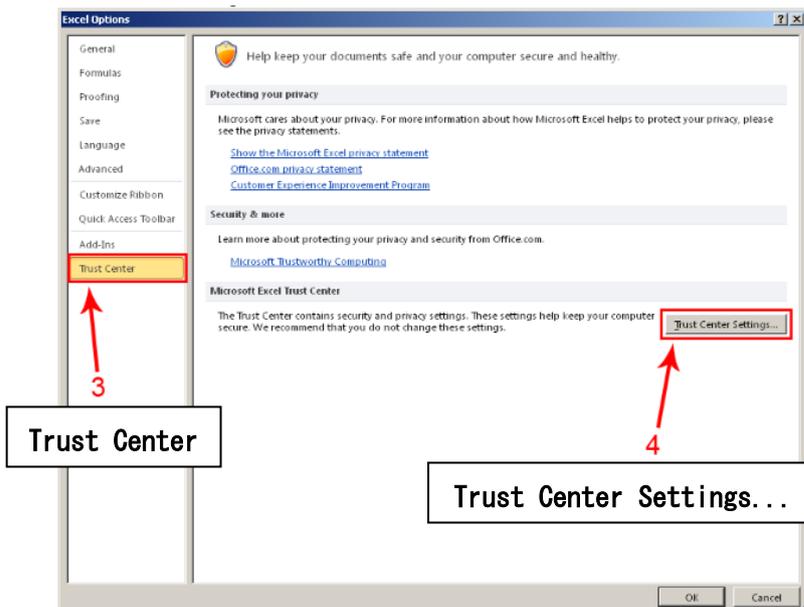
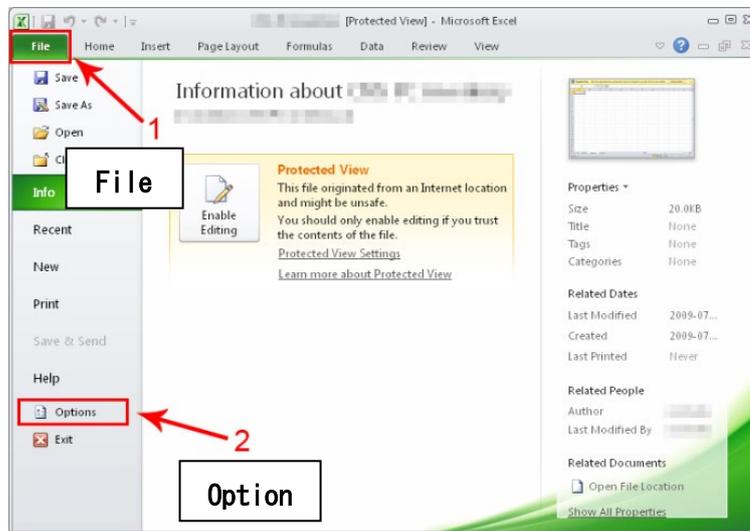
After entering the password to start the JAPIA Sheet, if the following “Message bar” related to the behavior of Excel macro is not displayed, it is possible to change the setup of Excel macro with the following way.

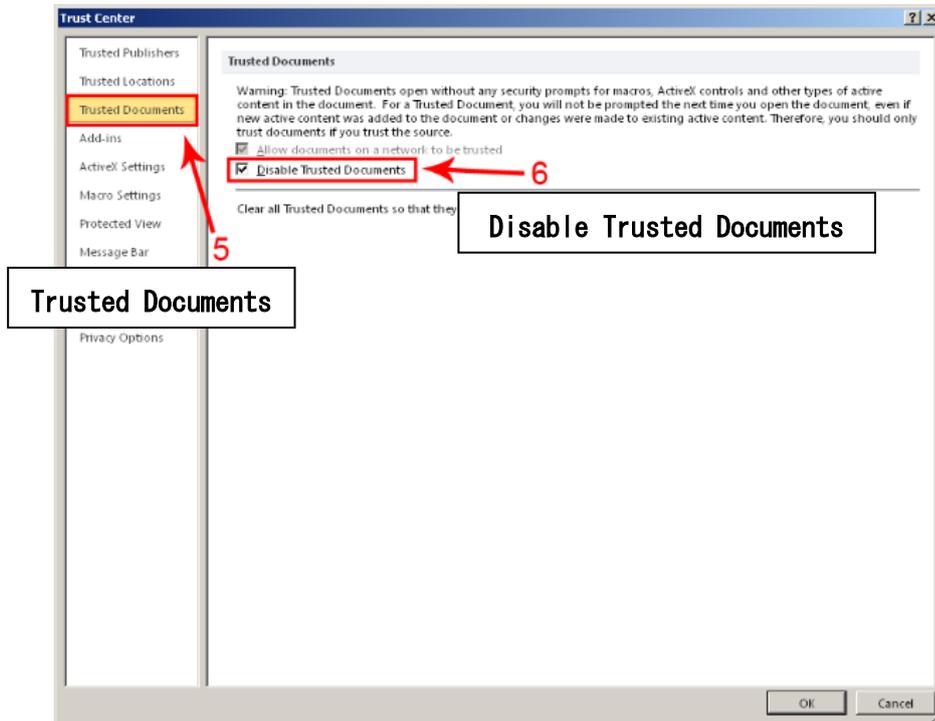
Notice: Follow the internal security policy for setting up Macro.

※ The following windows used for explanation are Excel 2010.



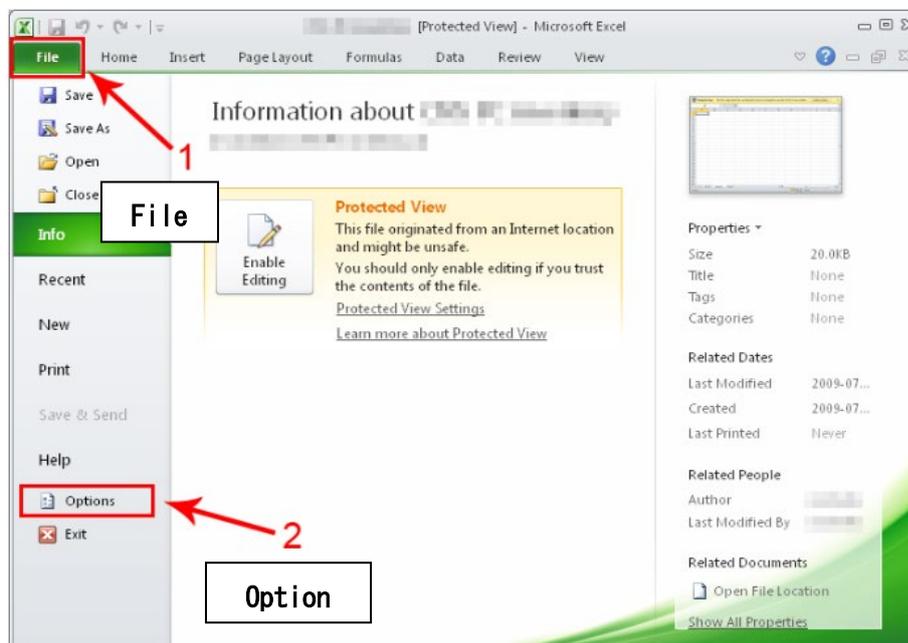
(1) Setup the ‘Disable Trusted Documents’ first. (Please work in the order of the following screens)

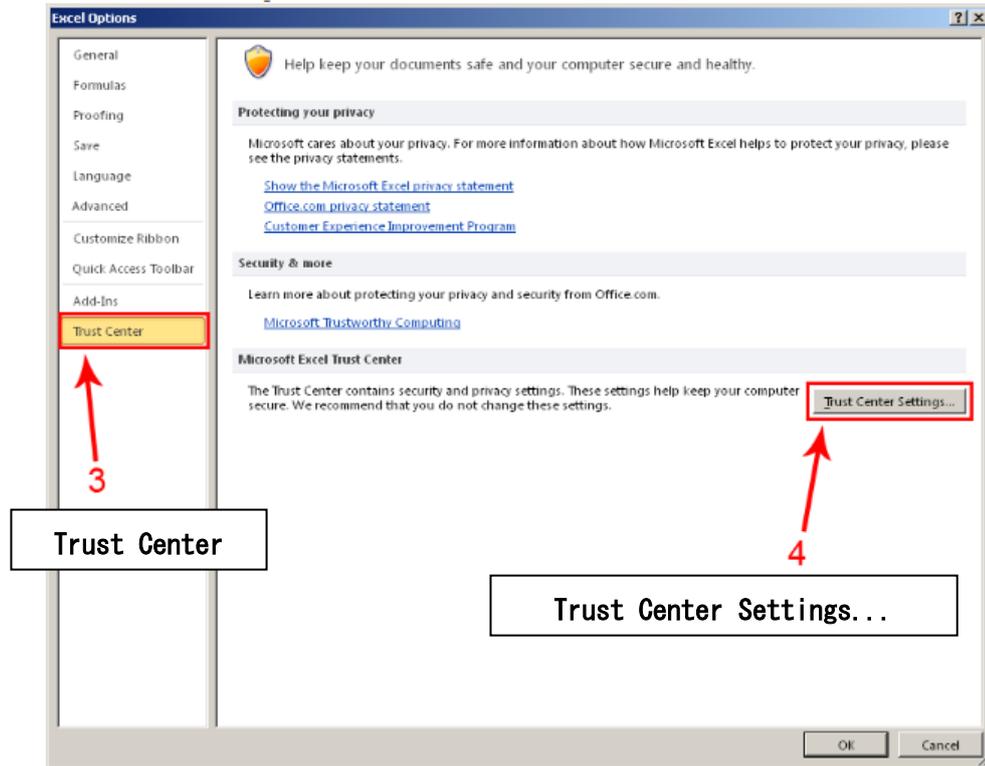




Click the “OK” button to close the window.

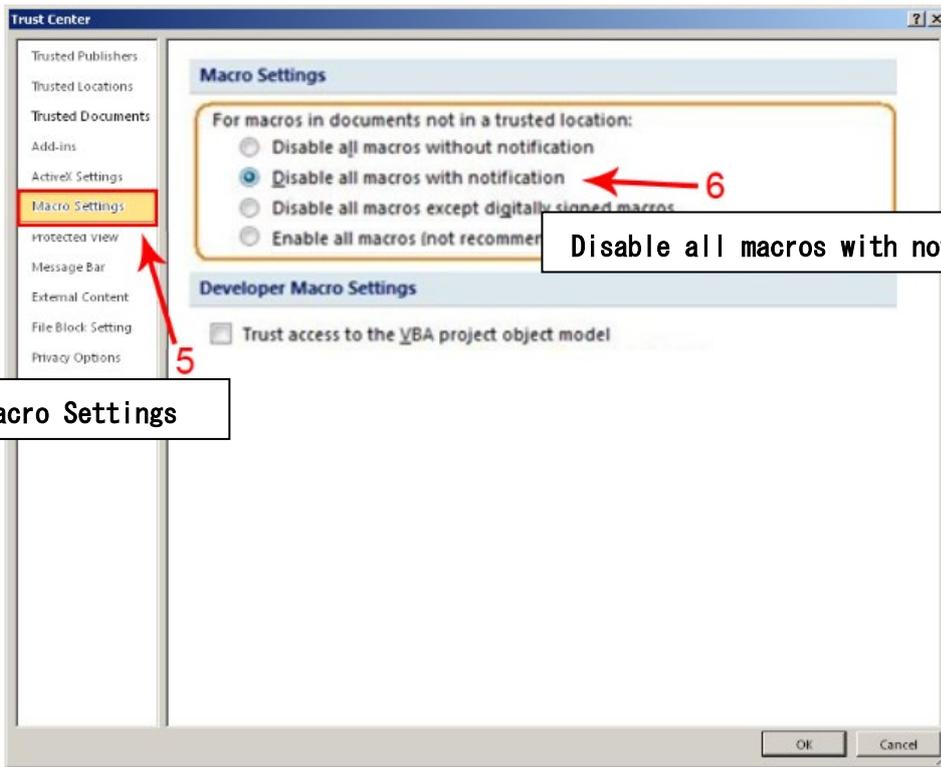
(2) Next, setup the ‘Disable all macros with notification’.





Trust Center

Trust Center Settings...



Macro Settings

Disable all macros with notification

Click the “OK” button to close the window. With this, the procedure completes.

※ If it isn't possible to change the setup or a change method differs, consult with your IT staff in your company.

II . Q&A

Frequently Asked Questions Related to JAPIA Standard Material Datasheet (JAPIA Sheet)

No	Item	Question	Answer	Creation Date	Update on
1.01	General	Do you intend to revise the data sheet in accordance with IMDS upgrades in the future?	In principle, we will not make any new function changes in the future. However, we will revise the sheet about the following contents and items. <ul style="list-style-type: none"> ・New chemical substance regulations ・Change of application codes ・Update of registered committee materials 	May 1, 2020	
1.02	General	Is it possible to reply with IMDS to an investigation request in the JAPIA Standard Material Datasheet?	In principle, it is required to reply with the same method as requested one by the requester. There are both acceptable and unacceptable requesters for IMDS investigations. Therefore, please ask your requester.	May 1, 2020	
1.03	General	Can you inform the password of the "JAPIA standard material datasheet"? We would like to use it although our company is not a member of the "Japan Auto Parts Industries Association and JAPIA Sheet Liaison Group".	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.	May 1, 2020	
1.04	General	What are the terms of use for the information collected on the JAPIA sheet?	Management of chemical substances contained in products, calculation of recycling rate and CO2 emissions, etc. It can be used only for compliance with various regulations (including regulations such as ELV Directive, REACH Regulation, LCA, etc.), and cannot be used for cost examination, research / technical purpose, and safety evaluation.	July 1, 2022	
2.01	Input method	Can you tell me the way how to enter an Investigation flag?	You have to select one of four external list codes. You must enter required input items, but need not enter the other items. <ol style="list-style-type: none"> 1: Registered category (The same part number is inputted) 2: Registered category (A past investigation has been reported.) [You must enter part weight.] 3: Supplied part: [You must enter part weight.] 4: Supplied material: [You must enter part and material weight.] 	May 1, 2020	
2.02	Input method	Can you tell me the way how to enter data on supplied parts or materials?	You have to use an Investigation flag for entry.	May 1, 2020	
2.03	Input method	If the material and substance lists do not cover an appropriate item, its addition will take some time. What measure should we take until the addition?	You should negotiate the requestor.	May 1, 2020	
2.04	Input method	Do you have common understanding on how to enter data about electronic parts?	We have not defined any specific rules. Please refer to the japiasheet_sample_400_EN.xlsx that JAPIA Sheet Liaison Group has prepared and make a coordination with a requester. →The samples of 6, 7, 10, 11 and 12 may help you.	May 1, 2020	
2.05	Input method	Can you tell me the way how to enter ID [component] and ID [material] as JAPIA options? If having entered those IDs, can I omit data input?	You cannot omit data input. ID [component]・ID [material] are an item to refer to and use registered data when you entry data to the IMDS, is not related to data checking.	May 1, 2020	

No	Item	Question	Answer	Creation Date	Update on
2.06	Input method	How should I investigate into material if it is targeted instead of a part?	Please refer "How to input data 13(material)" in "Entry: Description" and "Data input sample" for details.	May 1, 2020	
2.07	Input method	Can you tell me the way how to enter a SEQ No?	You have to enter numbers beginning with one for the entire sheet. If you click Check Input Data, the system will enter automatic setting mode.	May 1, 2020	
2.08	Input method	Substance Portion(Fix) is "Mandatory" to be entered. Does it still need to be entered even when both the minimum value and the maximum value are entered?	In the JAPIA Standard Material Datasheet, when both the substance portion(Minimum) and (Maximum) are entered, the fixed value is automatically set after checking the data, so it is not necessary to enter them.	May 1, 2020	
2.09	Input method	Please let me know how to enter the column "COMPONENT PARTS" in the case of the stand-alone part that doesn't have any component.	Regarding the stand alone part without a component, please enter "COMPONENT PARTS" as follows. - Part structure. : Please enter 1 - Other than the part structure in "COMPONENT PARTS" : No need for entering. The above entering rule is also applied to the following case. - In case of inputting materials directly related to delivery part.	May 1, 2020	
2.10	Input method	Some Japanese requester requests to change the material data from overseas norms to equivalent Japanese norms. In this case, how should I do?	Please negotiate this request with the requester. As a general rule, the material data with overseas norms should be accepted.	May 1, 2020	
2.11	Input method	What kind of list is used for the substances that are available in the "JAPIA standard material datasheet" ?	JAPIA has created an original substance list (BSL) based on user's requests.	May 1, 2020	
2.12	Input method	Please let me know how to enter the substance data for a thermosetting resin (2 liquid mixture type) used in the component. (eg : epoxy adhesive)	Please enter the substance data after hardening.	May 1, 2020	
2.13	Input method	I cannot enter some substance data, because the data include the confidential information. (eg : ink) (or I cannot get some substance data from a supplier, because the data include the confidential information.) In this case, how should I do ?	For confidential substances it is all right to enter them together as "Wild card substances (Misc., not to declare, etc.)". However, "wild card substances (Misc., not to declare, etc.)" should be 10% or less. (If you enter more than one wildcard substance in one material, the total content should be 10% or less.) Also, according to the rules of IMDS, the substances listed in GADSL cannot be treated as wildcards. If you cannot use wildcard substances, make adjustments individually between the companies.	May 1, 2020	
2.14	Input method	I would like to know how to input fillers. Please show me the way for 20% potassium titanate as an example.	Filler symbols have to be input in accordance with ISO1043. In this case, it is "ZH20" where Z means ceramics and H means whiskers. However, it is not big problem even if wrong filler symbol is used for substance research like IMDS. Numeric value means content (integer) in percent and one of "0", "3", "5" and "7" is usually used for the last digit. Some companies request to use only "0" or "5" but it is inappropriate.	May 1, 2020	
2.15	Input method	I am sometimes puzzled by determining the classification for Copper. Please show me the difference between 3.1 and 3.2.	The definition is as follows in the "IMDS (Recommendation) 001a". Classification 3.1: Pure copper with a content of more than 99 %. Classification 3.2: Copper fused with smaller amounts of other metals. It can be read that Classification 3.2 can be used for the case of Copper 99% and below but both Classification 3.1 and 3.2 can be used for the case of Copper more than 99%. In the case that both Classification are possible to be used, it is recommended that a supplied company decides the classification.	May 1, 2020	

No	Item	Question	Answer	Creation Date	Update on
2.16	Input method	What material should I chose for silver paste(die attach adhesive)?	As described in Operation Rule 6.2.6.D, silver paste (die attach adhesive) contains a large amount of silver in weight%, but the matrix material is resin material in adhesive. Therefore, we recommend selecting VDA classification 6.2 "Adhesive (EP etc.)" for the material.	May 1, 2020	
2.17	Input method	The following warning occurred during data checking. How to modify the data? [mes8: Warning] The data has been overwritten automatically by the system. Portion has been calculated with the Substance portion(Min., Max. and Rest) in JAPIA OPTIONS automatically by the system.	Some warnings disappears if data checking are performed twice. This warning is one of them, please do the data checking again.	May 1, 2020	
2.18	Input method	The following warning occurred during data checking. How to modify the data? [mes12:Warning] The calculated weight and Weight/Weight[g/part] don't match.	Please check the weight values whether or not those are correct. If those are correct, you can report the data.	May 1, 2020	
2.19	Input method	The following warning occurred during data checking. How to modify the data? [mes60:Warning] The total amount (or the maximum total amount) of one or more wildcard substances exceeds the limit of 10% in the material.	Please reduce the total amount (or the maximum total amount) of the wild card substances within 10% in the material.	May 1, 2020	
2.20	Input method	The following warning occurred during data checking. How to modify the data? [mes106:Warning] Data exist below the blank row.	Please make the data without a blank row in the data rows.	May 1, 2020	
2.21	Input method	The following warning occurred during data checking. How to modify the data? [mes113:Warning] Range of portion may not exceed allowed percentage.	Please modify the Range of portion within the allowed percentage. However, you can report the data without modification if the range comes from a public standard.	May 1, 2020	
2.22	Input method	The following warning occurred during data checking. How to modify the data? [mes115: Warning] The material-substance information is not found in the external list. The value has been deleted.	Please enter the material-substance information by choosing a decision branch of JAPIA Sheet function.	May 1, 2020	
2.23	Input method	The following warning occurred during data checking. How to modify the data? [mes119:Warning] The presence type of process chemical has been deleted because any substance is not entered in this row.	Some warnings disappears if data checking are performed twice. This warning is one of them, please do the data checking again.	May 1, 2020	
2.24	Input method	The following warning occurred during data checking. How to modify the data? [mes120:Warning] The presence type of process chemical has been deleted because the entered substance is not process chemical.	Some warnings disappears if data checking are performed twice. This warning is one of them, please do the data checking again.	May 1, 2020	
2.25	Input method	The following warning occurred during data checking. How to modify the data? [mes123:Warning]The unnecessary space has been deleted.	Some warnings disappears if data checking are performed twice. This warning is one of them, please do the data checking again.	May 1, 2020	
2.26	Input method	The following warning occurred during data checking. How to modify the data? [mes125: Warning] Two or more materials which have same Norms/Standards, Material numbers, Material symbols, Content of post-consumer recycle, and Substances (ID [material] and portion) are added to the single component part. Please confirm whether these materials should be merged into one, or not.	Please marge the materials into one if those are the same materials. If not, it is possible to do nothing.	May 1, 2020	
2.27	Input method	The IMDS 001a was revised in September 2013 and the entering method of glass data had been changed. Do I have to modify the data which were already submitted in the past?	If you don't have the special request from your customers, you can still use the old data which were created by previous entering method even if it is a new request.	May 1, 2020	

No	Item	Question	Answer	Creation Date	Update on
3.06	External file	Can I use an overseas material standard to enter data?	You can use the overseas material standard if it is registered in the JAPIA Sheet as a public standard.	May 1, 2020	
3.07	External file	Why does the JAMA/JAPIA Standard Material Datasheet not have the VDA classification 5.5.2 Textiles (in polymeric compounds) in its material list?	The VDA classification 5.5.2 'Textiles (in polymeric compounds)' defines the material shape. The JAPIA Standard Material Datasheet needs the material itself for textiles. So, please use the VDA classification 5.1.b 'unfilled Thermoplastics' in the JAPIA Standard Material Datasheet.	May 1, 2020	
3.08	External file	Why do several substance names of JAPIA Sheet differ from those of IMDS?	JAPIA Sheet uses only one substance name for each substance, but many substance names are generally used such as IUPAC names, common names, product names, and abbreviations. So you may not find easily. In this case, Please use CAS RN or ID [Substance] to find a substance.	May 1, 2020	

History

Revision number	Revision date	Version	Description
N	Oct.1, 2020	4.01~	Newly created
1	Oct.1, 2021	4.02~	P6: JAPIA sheet operation period added P29: GADSL HP screenshot updated
2	July.1, 2022	4.02b~	P46:Q&A updated
3	Oct.1, 2023	4.20~	4.1 Error/Warning list, delete item number 36 Recycle information entry description Add
4			
5			