

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, 2020

JAPIA Sheet Liaison Group

Index

I . Essential Information	– P.3
1. About JAPIA Sheet	– P.4
2. Operation entity and scope of usage of supply chain	– P.5
3. System condition and operation environment	– P.7
4. Revision procedure and time schedule	– P.8
5. Password and available period	– P.9
6. Operation instruction	– P.10
7. Data compatibilities with old versions	– P.11
8. Copy right	– P.12
II . Ver.4.01 Release Information	– P.13
▪List of upgrade items from Ver.4.01	– P.14
▪List of documents of JAPIA Sheet Ver.4.01 (Oct. 1, 2020)	– P.22
History	– P.23

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.4.01 Release Information

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

List of upgrade items from Ver.4.00 to Ver. 4.01

File	Upgrade item	Upgrade Content
Data Input Form	BSL replacement process	Executing at every check timing
External File	Application Code	Corresponded to the IMDS change on 17 June 2020 (2: abolished, 8: newly listed) Reference P.15
	BSL	<ul style="list-style-type: none"> – Corresponded to the adding application – Updating SVHC flag, etc. Reference P.16–21
External List Guide	I. Substance List	Changed where to submit to of “JAPIA Sheet Application Form for Adding BSL Substances”
	Ⅲ. External List Abstract	Added the sheet “IMDS APP”
Input Manual	Input Manual	Revised errors etc.

Application Code Update

Update	ID	Application
DEL	59	8(g) - Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages
ADD	75	8(g)(i) - Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages
	76	8(g)(ii-i) - Lead in solders to complete a viable electrical connection between the semiconductor die and the carrier within integrated circuit flip chip packages where that electrical connection consists of a semiconductor technology node of 90 nm or larger
	77	8(g)(ii-ii) - Lead in solders to complete a viable electrical connection between the semiconductor die and the carrier within integrated circuit flip chip packages where that electrical connection consists of a single die of 300 mm ² or larger in any semiconductor technology node
	78	8(g)(ii-iii) - Lead in solders to complete a viable electrical connection between the semiconductor die and the carrier within integrated circuit flip chip packages where that electrical connection consists of stacked die packages with dies of 300 mm ² or larger, or silicon interposers of 300 mm ² or larger
ADD	79	8(k) - Soldering of heating applications with 0,5A or more of heat current per related solder joint to single panes of laminated glazings not exceeding wall thickness of 2,1 mm. This exemption does not cover soldering to contacts embedded in the intermediate polymer
DEL	22	14 - Absorption refrigerators in motorcaravans
ADD	80	14(i) - Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0.75% by weight in the cooling solution designed to operate fully or partly with electrical heater, having an average utilized electrical power input <75W at constant running conditions
	81	14(ii) - Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0.75% by weight in the cooling solution designed to operate fully or partly with electrical heater, having an average utilized electrical power input ≥75W at constant running conditions
	82	14(iii) - Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0.75% by weight in the cooling solution designed to fully operate with nonelectrical heater

Details of changes on BSL (1/6)

The following lists show the differences from JAPIA Sheet of version 4.00.

The list below does not include corrections of simple mistakes.

	ID[Substances]	Substance name	Substance code	Change Point
“JAPIA sheet application form for adding BSL substances” corresponding	S08189	Poly((3-Methyl-1,5-Pentanediol trimethyloopropane)-alt-(adipic acid))	122310-07-0	newly listed
	S08187	Fatty acids, tallow, hydrogenated, lithium salts	66071-82-7	newly listed
	S08188	Zinc borate silicate	37341-47-2	newly listed
	S08184	Plastics POM+PE	–	newly listed
	S08190	Fatty acids, C16-18, mixed esters with adipic acid and pentaerythritol	97615-85-5	newly listed
	S08191	Benzamide, 3,3'-[(2,5-dimethyl-1,4-phenylene)bis[imino(1-acetyl-2-oxo-2,1-ethanediyl)-2,1-diazenediyl]]bis[4-chloro-N-(2,5-dichlorophenyl)-	76233-82-4	newly listed
	S08192	1,1,1,3,3,3-Hexamethyldisilazane	999-97-3	newly listed
	S08193	p-Cyano-p'-pentylbiphenyl	40817-08-1	newly listed

	ID[Substances]	Substance name	Substance code	Change Point
BSL substances optimisation	S08136	Mineral powder	–	Combined duplicate substance into S04668
	S08137	Pb5B2SiO10	–	Combined duplicate substance into S04814

	ID[Substances]	Substance name	Substance code	Change Point
New SVHCs Addition	S02113	Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-	22673-19-4	newly listed
	S04427	2-Methylimidazole	693-98-1	newly listed
	S08185	4-(Butoxycarbonyl)phenol	94-26-8	newly listed
	S08186	1-vinylimidazole	1072-63-5	newly listed

Details of changes on BSL(2/6)

	ID[Substances]	Substance name	Substance code	Change Point
SVHC flag optimization	S00553	Alkanes, C10-32, chloro	84776-06-7	Added SVHC flag
	S00558	Paraffins (petroleum), normal C>10, chloro	97553-43-0	Added SVHC flag
	S00559	Alkanes, C10-26, chloro	97659-46-6	Added SVHC flag
	S00561	Alkanes, C10-12, chloro	108171-26-2	Added SVHC flag
	S01466	Cadmium sulfate	31119-53-6	Added SVHC flag
	S01650	Cobalt sulfate heptahydrate	10026-24-1	Added SVHC flag
	S01660	Cobalt nitrate	10026-22-9	Added SVHC flag
	S01672	Acetic acid, cobalt(2+) salt, tetrahydrate	6147-53-1	Added SVHC flag
	S02113	Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-	22673-19-4	Added SVHC flag
	S02184	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*0*2,13*0*5,10*]octadeca-7,15-diene	135821-03-3	Added SVHC flag
	S02185	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*0*2,13*0*5,10*]octadeca-7,15-diene	135821-74-8	Added SVHC flag
	S02420	Lead (II) acetate, trihydrate	6080-56-4	Added SVHC flag
	S03017	Calcium-Magnesium-Zirconium-Silicate Mixture	329211-92-9	Added SVHC flag
	S03018	Aluminium Chloride, Basic reaction products with Silica	675106-31-7	Added SVHC flag
	S03362	Nonadecafluorodecanoic acid (PFDA)	335-76-2	Added SVHC flag
	S03363	Nonadecafluorodecanoic acid, sodium salt	3830-45-3	Added SVHC flag
	S03364	Nonadecafluorodecanoic acid, ammonium salt	3108-42-7	Added SVHC flag
	S03396	3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29-(nonylphenoxy)-	27177-08-8	Added SVHC flag
	S03398	Decaethylene glycol, isononylphenyl ether	65455-72-3	Added SVHC flag
	S03399	Ethanol, 2-[2-(nonylphenoxy)ethoxy]-	27176-93-8	Added SVHC flag
	S03401	Nonylphenol polyethylene glycol ether	27177-01-1	Added SVHC flag
	S03402	Poly(oxy-1,2-ethanediyl), .alpha.-(2-nonylphenyl)-.omega.-hydroxy-	51938-25-1	Added SVHC flag
	S03474	Perfluorohexane-1-sulphonic acid	355-46-4	Added SVHC flag
	S03475	Perfluorohexane-1-sulphonic acid, ammonium salt	68259-08-5	Added SVHC flag
	S03476	Perfluorohexane-1-sulphonic acid, potassium salt	3871-99-6	Added SVHC flag

Details of changes on BSL(3/6)

	ID[Substances]	Substance name	Substance code	Change Point
SVHC flag optimization	S03726	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	109945-70-2	Added SVHC flag
	S03727	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1201677-32-8	Added SVHC flag
	S03728	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	145538-74-5	Added SVHC flag
	S04093	Nonylphenol	25154-52-3	Added SVHC flag
	S04427	2-Methylimidazole	693-98-1	Added SVHC flag

	ID[Substances]	Substance name	Substance code	Change Point
SVHC flag optimization	S04010	Fluoranthene	93951-69-0	Deleted SVHC flag
	S04011	Pyrene	1718-52-1	Deleted SVHC flag

Details of changes on BSL(4/6)

	ID[Substances]	Substance name	Substance code	Change Point
Existing SVHC addition	S08194	Aniline, 4,4',4''-methylidynetris(N,N-dimethyl- (8CI)	603-48-5	newly listed
	S08195	Phenol, nonyl-, branched	90481-04-2	newly listed
	S08196	tris[4-(dimethylamino)phenyl]methanide	14426-25-6	newly listed
	S08197	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	104-66-9	newly listed
	S08198	Perboric acid (HBO(O2)), sodium salt, monohydrate	10332-33-9	newly listed
	S08199	Perboric acid (H3BO2(O2)), monosodium salt, trihydrate	13517-20-9	newly listed
	S08200	Perboric acid, sodium salt, tetrahydrate	37244-98-7	newly listed
	S08201	Borate(2-), tetrahydroxybis[mu-(peroxy-kappaO1:kappaO2)]di-, sodium (1:2); molecular formula B2H4O8.2Na)	90568-23-3	newly listed
	S08202	Borate(2-), tetrahydroxybis[mu-(peroxy-kappaO1:kappaO2)]di-, sodium, hydrate (1:2:6); molecular formula B2H4O8.6H2O.2Na)	125022-34-6	newly listed
	S08203	Perboric acid, sodium salt, monohydrate	12040-72-1	newly listed
	S08204	Sulphuric acid, cadmium salt (1:1)	15244-35-6	newly listed
	S08205	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	41184-65-0	newly listed
	S08206	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	41242-12-0	newly listed
	S08207	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	55120-77-9	newly listed
	S08208	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	70136-72-0	newly listed
	S08209	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	70225-16-0	newly listed
	S08210	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	72033-41-1	newly listed
	S08211	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	82382-12-5	newly listed
	S08212	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	92011-17-1	newly listed
	S08213	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	108427-54-9	newly listed
	S08214	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	108427-55-0	newly listed
	S08215	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	144116-10-9	newly listed
	S08216	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	153443-35-7	newly listed
	S08217	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	189274-31-5	newly listed
	S08218	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	202189-84-2	newly listed
	S08219	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	213740-81-9	newly listed
	S08220	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	341035-71-0	newly listed
	S08221	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	341548-85-4	newly listed

Details of changes on BSL(5/6)

	ID[Substances]	Substance name	Substance code	Change Point
Existing SVHC addition	S08222	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	350836-93-0	newly listed
	S08223	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	421555-73-9	newly listed
	S08224	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	421555-74-0	newly listed
	S08225	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	425670-70-8	newly listed
	S08226	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	866621-50-3	newly listed
	S08227	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	910606-39-2	newly listed
	S08228	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	911027-68-4	newly listed
	S08229	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	911027-69-5	newly listed
	S08230	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	928049-42-7	newly listed
	S08231	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	1000597-52-3	newly listed
	S08232	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	1187817-57-7	newly listed
	S08233	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	1310480-24-0	newly listed
	S08234	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	1310480-27-3	newly listed
	S08235	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	1310480-28-4	newly listed
	S08236	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	1329995-45-0	newly listed
	S08237	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	1329995-69-8	newly listed
	S08238	Perfluorohexane-1-sulphonic acid and its salts [PFHxS]	1462414-59-0	newly listed
	S08239	Phenol, 4-nonyl, phosphite (3:1) with CAS 3050-88-2 and describing a substance with linear alkyl chains. It was used for the pre-registration process	3050-88-2	newly listed
	S08240	Phenol, p-isononyl-, phosphite (3:1) with CAS 31631-13-7 and describing a substance with linear alkyl chains	31631-13-7	newly listed
	S08241	Phenol, p-sec-nonyl-, phosphite with CAS 106599-06-8 and describing a substance with secondary alkyl chains	106599-06-8	newly listed
	S08242	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	newly listed

Details of changes on BSL(6/6)

	ID[Substances]	Substance name	Substance code	Change Point
Existing SVHC addition	S08243	Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane (Karanal)	–	newly listed
	S08244	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	–	newly listed
	S08245	5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	–	newly listed
	S08246	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	–	newly listed
	S08247	tris(4-nonylphenyl, branched) phosphite	–	newly listed
	S08248	Bis(4-t-butylphenyl) iodonium perfluorobutane sulfonate	–	newly listed
	S08249	1-(4-Butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate	–	newly listed
	S08250	Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	29420-49-3	newly listed
	S08251	1,1,2,2,3,3,4,4,4-Nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide	34454-97-2	newly listed
	S08252	Perboric acid (HBO(O ₂)), sodium salt, tetrahydrate	10486-00-7	newly listed
	S08253	20-(4-(1,1,3,3-Tetramethylbutyl)phenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	2497-59-8	newly listed

List of documents of JAPIA Sheet Ver.4.01 (Oct. 1, 2020)

Document		File Name	
[0]Overview			
JAPIA Standard Material Datasheet Overview	EN	JapiaSheet_Overview_EN_201001.pdf	
[2]Data Input Form			
JAPIA Sheet (Data Input Form)	EN	JapiaSheet_EN_201001.xlsm	
[3]External File			
JAPIA Sheet (External List)	EN	EXLIST-2020-10-01EN.xlsx	
External List Guide	EN	ExList_Guide_EN_201001.pdf	
Appendix:External List Abstract	EN	ExList_Abstract_EN_201001.xlsx	
JAPIA sheet application form for adding BSL substances	EN	JAPIA sheet application form for adding BSL substances.xlsx	
[4]Manual			
Input Manual	EN	Input_Manual_EN_201001.pdf	
JAPIA Sheet Input Sample	EN	JapiaSheet_Sample_EN_201001.xlsx	
[5]Substance List			
GADSL Reference List	EN	GADSL Reference List 2020Ver.1.0.xlsx	

History

Revision number	Revision date	Applicable Version	Description
N	Oct. 01, '20	4.01	Creation new
1			
2			
3			
4			
5			