

Epson Group Explanatory Material for chemSHERPA

Rev. 4.1 Nov. 8, 2024

Seiko Epson Corporation Global Environmental Strategy Promotion Office

© Seiko Epson Corp. 2024. All rights reserved.



Contents

Introduction — Purpose of this document

What is chemSHERPA?

Epson's basic guide for chemSHERPA

Flow for using chemSHERPA to provide information

- Enter the general information
- Enter the company information
- Enter the composition information
- Enter the compliance assessment information
- Save and output authorized data

Guide to creating chemSHERPA data

Epson's survey on chemical substances in products Revision History

Introduction — Purpose of this document

This document explains the process used by the Epson Group ("Epson") to gather information on chemical substances in products using chemSHERPA.

For the rules on the use of chemSHERPA and the common usage of the tools, see the explanatory materials provided on the <u>chemSHERPA website</u> or the manuals included with the chemSHERPA-AI Data Entry Support Tool.

This document uses abbreviation to refer to the following terms:

- Rules on the Use of Information on Chemicals in Products Under the chemSHERPA => Usage Rules
- chemSHERPA Data Entry Support Tool for Articles Operation manual => Operation manual
- chemSHERPA Data Entry Support Tool for Articles Data entry manual => Data entry manual

What is chemSHERPA?

A scheme that facilitates sharing information on chemical substances in products

Information handling between supply-chain partners is essential for appropriate management of chemical substances in products (CiP), in order to continuously respond to expanding regulations. The chemSHERPA can be used as a common scheme for information handling across a supply chain.

Designed for steady & efficient information handling

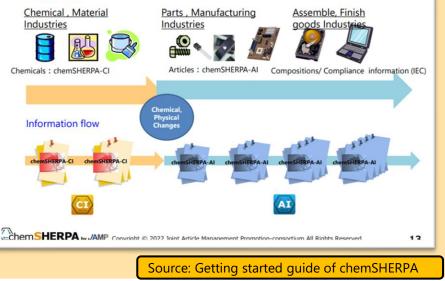
Applicable to various products and industries. Throughout a supply chain, from up- to down-stream, this scheme allows organizations to handle the CiP information under a shared policy.

Toward a better information handling and chemical management in a supply chain

The chemSHERPA ensures "responsible information handling" that transfers composition information based on a common substance list, as well as compliance assessment information for articles, striving for a better CiP management in the future.

2-4. Basic concept of information transfer on chemicals in products Products and information flow through the supply chains

Products flow



Source: chemSHERPA website

Epson's basic guide for chemSHERPA

- Epson uses the chemSHERPA-AI form (The same form is used for adhesives, drugs, and other chemicals).
- Use the version of chemSHERPA-AI Data entry support tool that is specified on <u>Epson's Green</u> <u>Purchasing site</u> (usually the latest version).
- □ Prepare an answer file based on a request file (".shai" file) that Epson provides.
- Data should be created in conformance with Usage Rules, manuals, and other documents issued by JAMP.
- **c**hemSHERPA-AI files should be entered in Japanese or English (single-byte characters).
- Be sure to transmit compliance assessment information, composition information* and the respective SCIP info.

* Be sure to transmit the composition information so that we are able to promptly respond to rapidly changing laws and regulations and customer requirements on CiP.

Please note that "transmitting composition information" means "entering data for chemSHERPA declarable substance." We are not asking for a full declaration using optional reporting. See page 10 for details.

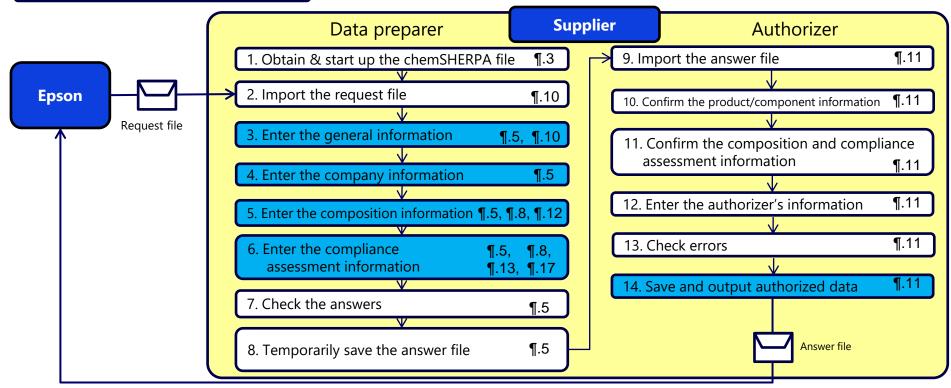
Request when entering compliance assessment information and composition information data If the composition or content rate of CiP changes in manufacturing processes for production materials delivered to Epson, enter the data for the materials at the time of delivery.

Flow for using chemSHERPA to provide information





chemSHERPA common items are explained in the Operation manual or the Data entry manual.



Enter the general information

EPSON



You <u>must</u> click the Composition and Compliance boxes in the Remarks.

Unless specificarequested Epson, there is no need to create or Ily report FMD.

Issuer/Authorizer				
Reference number *		Re	Mans	
Preparation Date *	<yyyy-mm-dd></yyyy-mm-dd>		Comp	osition 🗌 FMD
Authorization Date *	<yyyy-mm-dd></yyyy-mm-dd>	\bowtie	Comp	liance

★ Unless Epson have a special request, check "No" for substances that are candidates for management

Comment					
Authorizer name	•				
Reporting of Candida	te of Declarable Su	ibstances	ΟY	'es	O No
SCIP info.				omposition/ ompliance	/FMD
Product/Componen	t 🗹 Product	🗹 Administra	ative		
AL	Requ	Jester			

		CPS	CPL	Product name △	Product number	2	Product name 🔺	Product number 🔺	
							*	*	
1	\square	Show	Show	Parts A	123456700				
2		Show	Show	Material B	623456700				
						_			

The Requester block will automatically appear when you import the request file from Epson.

(**Please do not change the information already filled in the request file from Epson.)** If you uncheck "Information on requester On/Off" and the requester information and the requester product information are deleted, please open the request file again..

	ToolVersio	n:chemSHERPA-AI-V2R1.00.	1		r.
				Che	KPA- AI
					Article Tool
		Requester	Information on requester On/Off		
		Reference number *	ABCDEF	Remarks	
)		Request date *	2024-11-01	Composition 🗌 F	MD
		Reply deadline	2024-12-01	Compliance	
,,		Item	English	Loca	I
		Company name 🔹 *	EPSON		
۱t.		Requester Name *	Green Epson		
		Requester Comment			
		Reporting of Candidat	e of Declarable Substances	⊖ Yes ● I	No

You <u>must</u> click the Composition/FMD and Compliance boxes in the SCIP info.

Even if Article as such in the product does not contain an SVHC in an amount exceeding 0.1 wt%, click to put check marks in these Composition/FMD and Compliance boxes. You can report that the product does not contain an SVHC in an amount exceeding 0.1 wt% by confirming the composition information and compliance assessment information here.

Enter the general information



Enter the issuer's reference number, preparation date, and product information. (The fields marked by a red box are mandatory.)

	ool for the chemSHERPA-AI		General	Too		emSHERPA-AI-Va	2R1.00.1					- 0
neral view	Language Tool									<	Chem	SHERPA-/
General												Article Too
Issuer/Authorize	r				R	Requester Information on requester On/Off						
Reference number	*	Re	emarks		Re	eference numb	per * ABCDE	F	Remarks			
Preparation Date	* <yyyy-mm-dd></yyyy-mm-dd>	12	Composition	FMD	Re	equest date	* 2024-1	1-01	E	Composi	tion 🗌 F	MD
Authorization Date	<pre>* <yyyy-mm-dd></yyyy-mm-dd></pre>] Compliance		Re	Reply deadline 2024-12-01		2-01	6	Compliar	nce	
Item	English			Local	Ite	em		English			Local	
Company name	*				Co	ompany name	* EPSON					
Name of contact	•				Re	equester Nam	e * Green I	Epson				
		· · · · · · · · · · · · · · · · · · ·										
ot change th	Epson's item of e product number t information.		es	O No		equester Com		clarable Substances	() Yes	۱ (۱	No
ot change th		r in the	es] Composition] Compliance	/FMD				clarable Substances	() Yes	٥ ١	No
ot change th ester produc	e product number t information.	r in the] Composition] Compliance	/FMD				clarable Substances	Citi		Oelete	Add
ot change th ester produc SCIF Product/Compone	e product number t information.	r in the] Composition] Compliance	/FMD				Clarable Substances				
ot change th ester produc	e product number t information.	r in the] Composition] Compliance	/FMD		eporting of Car			Citi	ng	Delete	Add Valid Fro
SCI- Product/Compone	e product number t information.	r in the	Composition Compliance	/FMD Manufacture		eporting of Ca	ndidate of De	Product ▲ Reporting unit ▲	Citi	ng Over	Delete	Add Valid Fro
SCIF Product/Compone	e product number t information.	r in the	Composition Compliance Product	/FMD Manufacture	Mass	eporting of Ca	ndidate of De	Product	Citi	ng Over	Delete	

Product name: The name of your company's product Product number: Your company's product number (* If your company does not have a product number, use Epson's item code.)

Reporting unit * The unit of quantity. Select "piece" if the part can be counted. * If the request file from Epson has already been filled out, please do not change it.

Enter the company information



Enter the issuer's information.

🔯 Data entry support tool	for the chemSHERPA-AI	General	ToolVersion:	chemSHERPA-AI-V	G	eneral view		- 0 X
File Company L	anguage Tool thorizer							Chem SHERPA -AI Article Tool
Issue Requeste	r		_	Requester		Information on request	er On/Off	
Reference number *		Remarks		Reference num	er 🔹	ABCDEF		Remarks
Preparation Date *	<yyyy-mm-dd></yyyy-mm-dd>	Composition 🗌 FMD		Request date	*	2024-11-01		Composition 🗌 FMD
Authorization Date *	<yyyy-mm-dd></yyyy-mm-dd>	Compliance		Reply deadline		2024-12-01		
Item	English	Local		Item	,	English		Local
Data entry support tool for the	e chemSHERPA-AI Issuer/Authorizer ToolVe	rsion:chemSHERPA-AI-V2R1 —		Data entry support to	ool for the	chemSHERPA-AI Requester	ToolVersion:chemSH	ERPA-AI-V2R1.00.1 — 🗆 >
< <issuer>> I</issuer>	mport template Register templa	ite Ok	< E^	< <requester>></requester>	I	mport template Register ter	mplate	OK English must be filled in.
Mandatory fields	Description			Mandatory	fields	5 Description		
Company ID	The unique 6-digit code assigned (entered in the request file sent by			Company na	ame	Name of the Epson (Epson)	Group com	pany (e.g., Seiko Epson or Tohoku
Company name	The name of your company			Division nan	ne	Name of the Epson	division froi	m which the request was received
Division name	The name of the department in ch	arge at your company		Title		Name of survey requ	uester or en	ter "Survey requester"
Title	Your title			Name of cor	ntact	Name of survey requ	uester	
Name of contact	Your name or the name of the poi	nt of contact		E-mail addre	ess	E-mail address of th	e survey red	quester
Email address	Your E-mail address or that of the	point of contact		Phone numb	ber	Telephone number o	,	
Phone number	Your telephone number or that of	the point of contact						

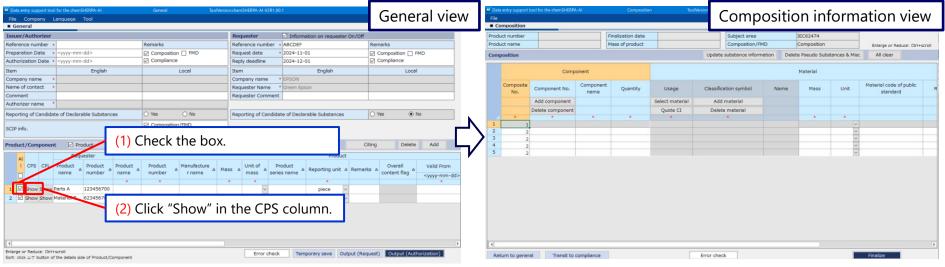
The requester information has been entered in the request file from Epson.

***** Do not change the requester information.

Enter the composition information

EPSON

Enter the composition information data



- (1) Check the box for the product for which you are providing answers.
- (2) Click "Show" in the CPS column for the target product. The composition information view will open.
- (3) Enter the information. See the Operation manual and the Data entry manual for instructions.
- The composition information that Epson asks you to enter is for chemSHERPA declarable substances (and for candidate of declarable substances * that Epson requires you to enter). You are not required to enter information for other substances, such as for a full declaration using optional reporting. And, You are not required to report FMD uniformly. Unless Epsom specifically request it due to reasons such as the product being used in automotive applications or a request from one of our customers, there is no need to report FMD.
- * Candidate of declarable substances: Chemical substances selected by JAMP as chemical substances for which it is recommended to investigate content information within the necessary scope of the supply chain before the chemical substances in the draft stage are added to the chemSHERPA relevant standards for chemical management that are related to laws and regulations.

Enter the composition information

Enter the SCIP info in the composition information

(1) After entering the composition information, click the Finalize button. The SCIP information view will appear*.

(2) Enter the information. See the Operation manual and the Data entry manual for instructions.

🐼 sc	IP information(Compsit	ion)							- 🗆	
C	omposition									
SCIP	Enlarge	or Reduce: Ctrl+scroll							Set default v	alue
	Product name	Component no	Component name	Numb er	Row	Primary Article Identifier	Article Name	Article C	ategory	
	Parts A					1234567	1234567	Select		n
2					2					
4										Þ
								Update	Close	

* Note that this view will not appear if there is no possibility that SCIP info will need to be registered. Instead, the following message indicating that no SVHCs are present will be displayed. Click the OK button to complete the SCIP info entry.



Enter the compliance assessment information data

			Ger	neral view
Data entry support tool for the chemSHERPA-AI File Company Language Tool				Chem SHERPA -AI
General				Article Tool
issuer/Authorizer		Requester 🗹 1	nformation on requester On/O	ff
Reference number 🔹	Remarks	Reference number * ABC	CDEF	Remarks
Preparation Date	Composition FMD	Request date + 202	4-11-01	Composition D FMD
Authorization Date * <yyyy-mm-dd></yyyy-mm-dd>	Compliance	Reply deadline 202	4-12-01	Compliance
tem English	Local	Item	English	Local
Company name *		Company name * EPS	ON	
Name of contact		Requester Name * Gree	en Epson	
Comment				
Authorizer name * (1) Ch	eck the box.			
Reporting of Candidate of Declarable :	cert the box.		stances	O Yes No
ICIP info.	Composition/FMD Compliance			
Product/Component 🗹 Product 🗹 Administra	ive			Citing Delete Add
Al CPS CPL Product Product Product name Inumber Product 1 Product			me A Reporting unit A Rem	arks a Overall content flag a Cyyyy-mm-dd>
2 Show Show Material B 623 (∠) CII	ck "show" in t	ne CPL co	iumn.	
4				
nlarge or Reduce: Ctrl+scroll		Error alteration	Terrere and Other to (
iort: click $ riangle abla o$ button of the details side of Product/Component		Error check	Temporary save Output (F	Request) Output (Authorization)

				essment informat		V
Data entry support too	I for the chemS					T
Compliance					Article Tool	
Product number	123456700 Fina	lization date		Subject area IEC62474		
Product name		azation date		Subject area IEC62474		
	Parts A					
Overall content flag	Y				Enlarge or Reduc	e: Ctrl+s
Compliance	 All show O Filtering 	9		Add Delete Convert from Composition	All clear Update	Simplific
	Subject substance	Candidate item				
CAS No./ Substance gro	up Substance/Substance group	Show "ON" only	ID	Referenced laws & regulations	Reportable application	5
ID	op sousieres sousieres group	Clear				
1 50	001 Asbestos					Inten
SG	002 Azocolourants and azodyes w	(2) Click	"റപ	nvert from Composition	eather	0.003
SG	003 Boric acid					
	JUS BURC BUIL		COI	wert nom composition	I.	
SGU	004 Brominated flame retardants		COI	ivent nom composition	board la	0.1 m
5			00009			0.1 m
5			00000	(00010010) 100 012 13 2 22, (00010010) 11 C 1202	board la	0.1 m 0.09 0.1 m
5	004 Brominated flame retardants		00009	(Standard) JEDEC 15709	Plastic materials except	0.1 m 0.09 0.1 m 0.01
5 6 SG 7 8	004 Brominated flame retardants		00009 00010	(Standard) JEDEC JS709 [EU] RoHS Directive 2011/65/EU and its amendments; [Chin- [EU] Battery Directive 2006/66/EC; [Korea (the Republic of)- [USA California] Electronic Waste Recycling Act (California Ro-	Plastic materials except All, except batteries	0.1 m 0.09 0.1 m 0.01 0.001
5 6 SG0 7 8 9 SG0	004 Brominated flame retardants		00009 00010 00011	(Standard) JEDEC JS709 [EU] RoHS Directive 2011/65/EU and its amendments; [Chin- [EU] Battery Directive 2006/66/EC; [Koree (the Republic of)- [USA California] Electronic Waste Recycling Act (California Ro-	Plastic materials except All, except batteries Batteries	0.1 m 0.09 0.1 m 0.01 0.001 0.001
5 5 6 567 7 8 9 560 10	2004 Brominated flame retardants on 2006 Cadmium/Cadmium compounds 2008 Chromium (VI) Compounds		00009 00010 00011 00166 00012 00167	(Standard) JEDEC 35709 (Standard) JEDEC 35709 EUJ Rolt5 Directive 2011/65/EU and its amendments; [Chin- [EU] Battery Directive 2006/66/EC; [Korea (the Republic of)- USA California) Electronic Wate Recycling Act (California Ro- [EU] Rolt5 Directive 2011/05/EU and its amendments; [Chin- USA California) Electronic Wate Recycling Act (California Ro- USA California) Electronic Wate Recycling Act (California Ro-	Plastic materials except All, except batteries Batteries Video display devices, w All	0.1 m 0.09 f 0.1 m 0.01 f 0.001 0.01 f 0.1 m 0.1 m
5 5 567 7 8 567 7 8 567 10 10 10 10 10 10 10 10 10 10 10 10 10	2004 Brominated flame retardants we 2006 Cadmium/Cadmium compounds 2008 Chromium (VI) Compounds 2009 Dibutyltin (DBT) compounds		00009 00010 00011 00166 00012	(Standard) EDEC 57509 [EU] RoHS Directive 2011/65/EU and its amendments; [Chin- [EU] Battery Directive 2006/66/EC; [Korae (the Republic of)- USA California [Electronic Wate Recycling At (California Ro- [EU] RoHS Directive 2011/65/EU and its amendments; [Chin- [USA California] Electronic Wate Recycling At (California Ro- [EU] ReACH Regulation (EC) No. 1097/2006 ANNEX XVII	Plastic materials except All, except batteries Batteries Video display devices, w All Video display devices, w All	0.1 m 0.09 0.1 m 0.01 0.01 0.01 0.1 m 0.1 m
5 6 7 8 9 9 5 6 9 5 6 7 8 9 9 5 6 0 10 11 5 5 6 10 11 5 5 10 10 10 10 10 10 10 10 10 10 10 10 10	2004 Brominated flame retardants on 2006 Cadmium/Cadmium compounds 2008 Chromium (VI) Compounds		00009 00010 00011 00166 00012 00167	(Standard) JEDEC 35709 (Standard) JEDEC 35709 [EV] Rot5 Directive 2011/65/EU and its emendments; [Chin- [EV] Battery Directive 2006/66/EC; [Korea (the Republic of)- USA California) Electronic Water Recycling Act (California Ro- [EV] Rot5 Directive 2011/05/EU and its amendments; [Chin- USA California] Electronic Water Recycling Act (California Ro- [EV] REACH Regulation (EC) No. 1907/2006 ANNEX XVII [EV] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Plastic materials except All, except batteries Batteries Video display devices, w All	0.1 m 0.09 0.1 m 0.01 0.01 0.01 0.1 m 0.1 m
5 6 7 8 9 9 5 6 7 10 11 12 5 6 6 13 5 6 6 13 5 6	2004 Brominated flame retardants we 2006 Cadmium/Cadmium compounds 2008 Chromium (VI) Compounds 2009 Dibutyltin (DBT) compounds		00009 00010 00011 00166 00012 00167 00014	(Standard) EDEC 57509 [EU] RoHS Directive 2011/65/EU and its amendments; [Chin- [EU] Battery Directive 2006/66/EC; [Korae (the Republic of)- USA California [Electronic Wate Recycling At (California Ro- [EU] RoHS Directive 2011/65/EU and its amendments; [Chin- [USA California] Electronic Wate Recycling At (California Ro- [EU] ReACH Regulation (EC) No. 1097/2006 ANNEX XVII	Plastic materials except All, except batteries Batteries Video display devices, w All Video display devices, w All	0.1 m 0.09 0.1 m 0.01 0.001 0.1 m 0.1 m 0.1 m 0.1 m
5 6 SG0 7 8 9 SG6 10 11 SG6 12 SG6 13 SG6 14 SG6	304 Brominated flame retardants 206 Cadmium/Cadmium compounds 208 Chromium (VI) Compounds 209 Dibutyltin (DBT) compounds 209 Dibutyltin (DDT) compounds		00009 00010 00011 00166 00012 00167 00014 00015	(Standard) JEDEC 35709 (Standard) JEDEC 35709 [EV] Rot5 Directive 2011/65/EU and its emendments; [Chin- [EV] Battery Directive 2006/66/EC; [Korea (the Republic of)- USA California) Electronic Water Recycling Act (California Ro- [EV] Rot5 Directive 2011/05/EU and its amendments; [Chin- USA California] Electronic Water Recycling Act (California Ro- [EV] REACH Regulation (EC) No. 1907/2006 ANNEX XVII [EV] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	All, except batteries board la Plastic materials except All, except batteries Batteries Video display devices, w All (a) textile and leather a	0.1 m 0.09 0.1 m 0.01 0.001 0.1 m 0.1 m 0.1 m 0.1 m 0.1 m 0.1 m
5 6 7 7 8 9 5 5 5 5 5 5 5 5 5 5 5 5 5	204 Brominated flame retardants on 206 Codmium/Cadmium compounds 206 Chromium (VI) Compounds 200 Dibutyltin (DBT) compounds 2010 Dibutyltin (DBT) compounds 2012 Fluorinated Greenhouse Geses (F 2013 Heakotmocycolodoceane (HE)		00009 00010 00011 00166 00012 00167 00014 00015 00017	(Standard) JEDEC 55709 [EV] RoHS Directive 2011/65/EU and its amendments; [Chin- [EV] Battery Directive 2008/66/EC; [Korea (the Republic of)- USA California) Electronic Water Recycling At (California Ro- IEU) RoHS Directive 2011/65/EU and its amendments; [Chin- USA California) Electronic Water Recycling At (California Ro- [EV] REACH Regulation (EC) No. 1907/2006 ANNEX XVII [EV] REACH Regulation (EC) No. 1907/2006 ANNEX XVII [EV] REACH Regulation (EC) No. 1907/2006 ANNEX XVII [EV] REACH Regulation (EC) No. 1907/2006 Candidate List f- [EV] REGULATION (EU) No 517/2014 on fluorinated greenho- EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII [EV] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Plastic materials except Plastic materials except Batteries Batteries Video display devices, w All Video display devices, w All (a) textile and leather a All All All All	0.1 m 0.09 0.1 m 0.01 0.001 0.1 m 0.1 m 0.1 m 0.1 m 0.1 m 0.1 m Inten
5 6 7 8 9 9 5 5 5 5 5 5 5 5 5 5 5 5 5	204 Brominated Rame retardants and 206 Cadmium/Cadmium compounds 208 Chromium (V1) Compounds 209 Dibutyltin (DBT) compounds 201 Diotoctyltin (DOT) compounds 201 Diotoctylt		00009 00010 00011 00166 00012 00167 00014 00015 00017 00018 00020 00021	(Standard) JEDEC 35709 (Standard) JEDEC 35709 [EU] Rolt5 Directive 2011/65/EU and its emendments; [Chin- [EU] Battery Directive 2006/66/EC; [Koree (the Republic of)- USA California Biectronic Water Recycling Act (California Ro- [EU] Rolt5 Directive 2011/65/EU and its amendments; [Chin- USA California] Biectronic Water Recycling Act (California Ro- [EU] REACH Regulatorin (EC) No. 1907/2006 ANNEX XVII [EU] REACH Regulatorin (EC) No. 1907/2006 ANNEX XVII [EU] REACH Regulatorin (EC) No. 1907/2006 Candidate List F- [EU] REACH Regulatorin (EC) No. 1907/2006 Candidate List F- [EU] REACH Rogulatorin (EC) No. 1907/2016 on Murinted greenho-	Plastic materials except Plastic materials except Batteries Batteries Video display devices, w All Video display devices, w All (a) textile and leather a All All All All	0.1 m 0.09 0.1 m 0.01 0.01 0.1 m 0.1 m 0.1 m 0.1 m 0.1 m 0.1 m 0.1 m 1 nten Inten
5 6 SGG 7 8 9 SGG 10 11 SGG 14 SGG 14 SGG 15 SGG 16 SGG	204 Brominated flame retardants on 206 Codmium/Cadmium compounds 206 Chromium (VI) Compounds 200 Dibutyltin (DBT) compounds 2010 Dibutyltin (DBT) compounds 2012 Fluorinated Greenhouse Geses (F 2013 Heakotmocycolodoceane (HE)		00009 00010 00011 00166 00012 00167 00014 00015 00017 00018 00020	(Standard) JEDEC 55709 [EV] RoHS Directive 2011/65/EU and its amendments; [Chin- [EV] Battery Directive 2008/66/EC; [Korea (the Republic of)- USA California) Electronic Water Recycling At (California Ro- IEU) RoHS Directive 2011/65/EU and its amendments; [Chin- USA California) Electronic Water Recycling At (California Ro- [EV] REACH Regulation (EC) No. 1907/2006 ANNEX XVII [EV] REACH Regulation (EC) No. 1907/2006 ANNEX XVII [EV] REACH Regulation (EC) No. 1907/2006 ANNEX XVII [EV] REACH Regulation (EC) No. 1907/2006 Candidate List f- [EV] REGULATION (EU) No 517/2014 on fluorinated greenho- EU] REACH Regulation (EC) No. 1907/2006 ANNEX XVII [EV] REACH Regulation (EC) No. 1907/2006 ANNEX XVII	Plastic materials except Plastic materials except Batteries Batteries Video display devices, w All Video display devices, w All (a) textile and leather a All All All All	0.1 m 0.09 i 0.1 m 0.01 i 0.01 i 0.01 m 0.1 m 0.1 m 0.1 m 0.1 m 0.1 m Inteni Inteni 0.1 m
5 6 7 8 9 9 5 5 5 5 5 5 5 5 5 5 5 5 5	204 Brominated flame retardants on 206 Codmium/Cadmium compounds 206 Chromium (VI) Compounds 200 Dibutyltin (DBT) compounds 2010 Dibutyltin (DBT) compounds 2012 Fluorinated Greenhouse Geses (F 2013 Heakotmocycolodoceane (HE)		00009 00010 00011 00166 00012 00167 00014 00015 00017 00018 00020 00021	(Valuation) JEDEC 25709 [EU] RoldS Directive 2011/45/EU and its amendments; [Chin- [EU] Battery Directive 2006/66/EC; [Koree (the Republic of)- USA California Biectronic Water Recycling Act (California Bio- [EU] RoldS Directive 2011/56/EU and its amendments; [Chin- USA California] Bectronic Water Recycling Act (California Bio- [EU] REACH Regulaton (EC) No. 1907/2006 ANNEX XVII [EU] REACH Regulaton (EC) No. 1907/2006 ANNEX XVII [EU] REACH Regulaton (EC) No. 1907/2006 Candidate List F- EU] REACH Regulaton (EC) No. 1907/2006 Candidate List F- [EU] REACH Regulaton (EC) No. 1907/2006 Candidate List F- EU] REACH Regulaton (EC) No. 1907/2006 Candidate List F- [EU] REACH REACH Regulaton (EC) NO. 1907/2006 Candidate List F- [EU] REACH	All, except batteries	0.1 m 0.09 0.1 m 0.01 0.001 0.1 m 0.1 m 0.1 m 0.1 m 0.1 m Inten 0.1 m 0.1 m

- (1) Check the box for the product for which you are providing answers.
- (2) Click "Show" in the CPL column. The compliance assessment information view will open.

- (3) Click "Convert from Composition," and the composition information will be converted to the compliance assessment information.(You can also enter it directly without using the conversion function.)
- (4) Enter and revise the information. See the Operation manual and the Data entry manual for instructions.

Notes on entering compliance assessment information: Content above the threshold

Enter either "Y" or "N" in the "Content above the threshold" column as you check the Subject substance, Reportable applications, and Reporting threshold. Otherwise, correct "Entry Y" to "Y" or "N." Clicking "Batch N" enters an "N" either in all cells or all blank cells.

You can enter a "Y" only where needed and then click this button to enter an "N" in all remaining cells.

		for the chemSHERPA-AI										
ile										ChemSH	ERPA-A	I
Con	npliance									/	Article Too	1
oduc	t number	123456700	Final	lization date		Subject an	ea	IEC62474				
oduc	t name	Parts A							5			
veral	content flag	Y								Enla	rge or Redu	ce: Ctrl+sc
ompl	iance	All show	 Filtering 	9		Add	Delete	Convert	from Composition	All clear	Update	Simplifica
		Subject substance	/	Candidate item							above the	
	CAS No./			Show "ON" only	ID	Referenced laws & regul	ation	Reportable	Reporting thres	hold Show	v "Y" only	Con
-	Substance grou ID	p Substance/Substance	e group	Clear						Bat	ch "N"	
	10											
	SGO	0 [*] Asbestos			00003	[EU] REACH Regulation (EG	C) No	All	intentionally adde	d [4	
	SG	2 Azocolourants and azo	dyes w		00004	[EU] REACH Regulation (EG	C) No	Textiles an…	0. 03% by weight	t of P	a l	
		03 Boric acid			00007	[EU] REACH Regulation (EG	C) No		0.1 mass% of arti		4	
	5G0	04 Brominated flame reta	rdants (···		00008	(Standard) IEC 61249-2-21	1; (St	Printed wiri…	0.09 n ass% total	bro ·	4	
5					00009	(Standard) JEDEC JS709	1	Plastic mat	0.1 mat site of bron	min · N	4	
5	SGO	06 Cadmium/Cadmium co	mpounds		00010	[EU] RoHS Directive 2011/	65/EU	All, except ···	0.01 ma sth of	al I	4	
7					00011	[EU] Battery Directive 2006	5/66/	Batteries	0.001%	- P	4	
3					00166	[USA California] Electronic	Waste	Video displ	0.01 ma	1 10	4	
20	SGO	08 Chromium (VI) Compo	unds		00012	[EU] RoHS Directive 2011/	65/EU	All	0.1 may 96 of tota	l Cr ··· ·	4	
0					00167	[USA California] Electronic	Waste ····	Video displ…	0.1 massie of tota	I Cr ·· ·	4	
1		09 Dibutyltin (DBT) comp	ounds		00014	[EU] REACH Regulation (E0	C) No	All	0.1 plass% of tin i	nt r	4	
2	SG	10 Dioctyltin (DOT) comp	ounds		00015	[EU] REACH Regulation (EG	C) No	(a) textile ····	0.7 mass% of tin i	nt M	4	
3	SG0	Disodium tetraborate,	anhydro…		00017	[EU] REACH Regulation (EG	C) No	All	.1 mass% of arti	de n	4	
4	SG0	12 Fil prinated Greenhous	e Gases ···		00018	[EU] REGULATION (EU) No	517/	All	Intentionally Adde	ed [· · ·] be	4	
5	SG0	13 Hexas smocyclododec	ane (H		00020	[EU] REACH Regulation (EG	C) No	All	Intentionally adde	do · ob	4	
6	SG0	14 Lead/Lead Compounds	5		00021	[EU] RoHS Directive 2011/	65/EU	, except	0.1 mass% of tota	I P Ent	ry Y	
7					00022	[USA] Consumer Product S	af	Consumer ···	0.01 mass% [Rep	orti Ent	ry Y	
8					00023	[USA] Consumer Pressoct S	afety	Paint and si	0.009 mass% of s	urfa Ent	ry Y	
											100	Þ

Criteria for choosing "Y" or "N" for "Content above the threshold"

* Confirm that "N" is chosen for substances corresponding to Level 1 banned substances (currently banned) under the Epson Group Green Purchasing Standard for Production Materials.

Amount of substance present	Purpose of substance	Content above the threshold
"Reporting threshold" or more	Qualifies under "Reportable applications"	Y
	Does not qualify under "Reportable applications"	Ν
	Unknown	Y
Less than "Reporting threshold"	Qualifies under "Reportable applications"	Ν
	Does not qualify under "Reportable applications"	Ν
	Unknown	Ν

Scope of disclosure: Companies in Epson's supply chain



■ Notes on entering compliance assessment information: Content rate and other data

Enter the Content rate, Quantity of content, Usage, and Portion used in all rows where you entered "Y" for "Content above the threshold."

Enter the usage code if a message in the usage code column asks you to enter the data.

File											hem SHERP	8-AT
C	ompliance										Article	
Prod	luct number	23456700	Finalization date		Subject a	rea	IEC62474					
Prod	luct name	Parts A										
Over	rall content flag	(Enlarge or R	leduce: Ctrl+scroll
Com	pliance	All show O F	iltering		Add	Delete	Convert f	from (Composition	All cl	lear Update	e Simplification
	Su	bject substance	Candidate item	Content above the threshold	Content	Quantity o	of content		Usage code	e		
	CAS No./		Show "ON" only	Show "Y" only	rate (ppm)	Quantity of	Unit	I	nput: Cell dou	uble-	Usage	Portion used
	Substance group ID	Substance/Substance gro	Clear	Batch "N"		content	Unit		click			
					*	*	*					
16	SG01	Lead/Lead Compounds		Y	500000	500	0 mg 🛉	~ Ple	ase enter the	data.	1.base material	a
	7439-92-	Lond			500000	500	o mg 🖻	~			1.base material	

Enter the Usage and Portion used if you answered "Y" for "Content above the threshold."

* Enter the fields in Japanese or English (in single-byte characters).

Determining whether data must be entered

ltem	Requirement
Content rate	Must be answered if you answered "Y" for "Content above the threshold"
Quantity of content	Same as above
Unit	Same as above
Usage code	Required if a message in the usage code cell asks you to enter the data.
Usage	Must be answered if you answered "Y" for "Content above the threshold"
Portion used	Must be answered if you answered "Y" for "Content above the threshold"

(1) Double-click a usage code cell to open the "Select usage code" view.

(2) Click the Usage code and press "Select."

🙆 Dat	a entry support tool fo	for the chemSHERPA-AI	Compliance	Too/Version:cher	nSHERPA-AI-V2R	1.00.1				-	- 0 X
File									Chem	SHERPA	-AI
C	ompliance									Article T	ool
Prod	uct number	123456700	Finalization date		Subject a	area	IEC62474				
Prod	uct name	Parts A									
Over	all content flag	Y								Enlarge or Re	duce: Ctrl+scroll
Com	pliance	All show O Fill	tering		Add	Delete	Convert	from Composition	All clear	Update	Simplification
	Su	ubject substance	Candidate item	Content above the		Quantity	of content	Usage code			
	CAS No./		Show "ON" only	threshold Show "Y" only	Content		-			Jsage	Portion used
		p Substance/Substance grou			rate (ppm)			Input: Cell doul click	ble-		
	ID		Clear	Batch "N"		content		CIICK			
16	6601	14 Lead/Lead Compounds		*	*	*		No.		e naterial a	
172	7439-92-			Y	 500000 500000 		00 mg	 Please enter the 	da (a 1)as 1)as	e naterial a	
	1433 32	1 Leou				, J	50			Jucentin	,

Laws & regulations	Code	C	Description
U-RoHS	No exemption	No exemption	
U-RoHS	1	Equipment comising or detecting ionising radiation; Lead, cadmium	n and mercury in detectors for realizing radiation.
U-RoHS	1a	Sensors, detectors and electrodes; Lead and cadmium in ion select	tive electrodes including glass of pH electrodes.
U-RoHS	-0	Sensors, detectors and electrodes; Lead anodes in electrochemical	oxygen sensors.
U-RoHS	1c	Sensors, detectors and electrodes; Lead, cadmium and mercury in	infra-red light detectors.
U-RoHS	2	Equipment utilising or detecting ionising radiation; Lead bearings i	in X-ray tubes.
U-RoH	3	Equipment utilising or detecting ionising radiation; Lead in electron plate.	magnetic radiation amplification devices: micro-channel plate and capillary
U-RoHS	4	Equipment utilising or detecting ionising radiation; Lead in glass fr assembly of gas lasers and for vacuum tubes that convert electrom	rit of X-ray tubes and image intensifiers and lead in glass frit binder for nagnetic radiation into electrons.
U-RoHS		Equipment utilising or detecting ionising radiation; Lead in shieldin	ng for ionising radiation.
U-RoHS	5(b)	Lead in glass of fluorescent tubes not exceeding 0.2% by weight	
111-5-1217-7-5-C	(a)	Lead ac any time element in steel for machining numbers and in	nalvaniced steel containing and 35 % lead humainht
Valid	0 1	nvalid	(2) Select (2)
eference			

★Be sure to select a "Valid" usage code.

EPS(

Enter SCIP info in the compliance assessment information

- (1) After entering the compliance assessment information, click the Finalize button. The SCIP info view will appear*.
- (2) Enter the information. See the Operations manual and the Data entry manual for instructions.

🐼 sc	IP information(Complia	nce)		· ·				-	- 🗆	×
■ Co	ompliance	_								
SCIP	Enlarge	or Reduc	e: Ctrl+sci	roll				Se	t default va	alue
	Product name	Row	ID	CAS No. / Substance group ID	Substance/ Substance group	Content rate (ppm)	Portion used	Material	Category	
1	Parts A									
2		172	00154	7439-92-1	Lead	500000	a	Select		
										Þ
								Update	Close	

* Note that this view will not appear if there is no possibility that SCIP info will need to be registered. Instead, the following message indicating that no SVHCs are present will be displayed. Click the OK button to complete the SCIP info entry.



Save and output authorized data

EPSON

Perform error checking, and authorize and save the data of selected products.

		IERPA-AI		General	Too		hemSHERPA-A	-V2R1.00						
	anguage T	ool											Chem	SHERPA-AI
General	_					_			-					Article Tool
Issuer/Authorizer							Requester			nation on request	er On/Off			
	1234567			Remarks			Reference nu		ABCDEF			Remark		
	2024-10-30			Compositio			Request date		2024-11				position 🗌	FMD
Authorization Date 🔹	2024-10-30			Compliance	e	F	Reply deadlin	e	2024-12	-01		Com	pliance	
Item		English			Local	1	tem			English			Loca	l l
Company name 🔹 🔹	a					(Company nar	ne 🔸	EPSON					
Name of contact 🔹 🔹	a					F	Requester Na	me 🔹	Green Ep	son				
Comment						F	Requester Co	mment						
Authorizer name 🔹 *	Epson Suppli	er												
Reporting of Candidate	te of Declarab	le Substanc	es	O Yes	No	F	Reporting of	Candidat	te of Decla	arable Substance	s	O Yes	۲	No
SCIP info.				Composition										
Product/Component	t 🗹 Prod	(1)	Che	ck the	box						C	iting	Delete	e Add
	t 🗹 Prod		Che	ck the	box.					Produ		iting	Delete	Add
Product/Component	Product			ck the	Manufacture	Mass	△ Unit of mass		oduct es name		ct		Delete	Valid From
AI I CPS CPL	Product name	Product	Product	Product	م Manufacture	Mass			4		ct		Overall	
AI	Product name	Product $_{\Delta}$ number	Product	Product	م Manufacture		mass		4	Reporting unit	ct		Overall	Valid From
I CPS CPL	Product name A Parts A 1	Product A number	Product name * Parts A	Product number *	م Manufacture		∆ mass		4	Reporting unit	ct		Dverall △ ntent flag	Valid From <yyyy-mm-dd< td=""></yyyy-mm-dd<>

Select "Output in V2 format" and authorize/output.

Authorization

Do you authorize the data you entered to export chemSHERPA

Authorizer name (English) : Epson Supplier

Authorizer name (Local)

"Responsible information handling"

"Responsible information handling"indicates such practices that an operator creates information on chemical substances in products to the possible extent in line with this "Rules of the use" under the chemSHERPA and based on inputs from suppliers, its own experience and achievements and scientific knowledge, and provide such information with an authorization in accordance with a specific procedure of the organization.

Disclaimer

The administration organization of the chemSHERPA is not liable for any direct or indirect loss resulting from information/data provided through or created by the Data Entry Support Tool.



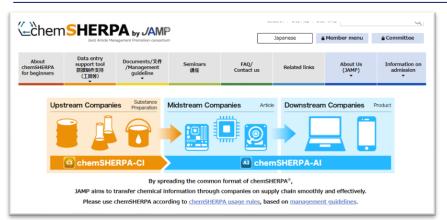
Output in V2 formation

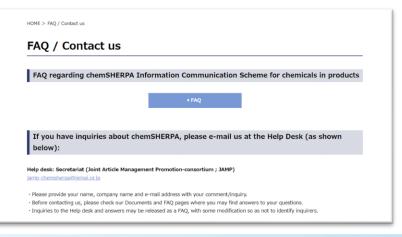
Cancel

Authorize/Output

Scope of disclosure: Companies in Epson's supply chain

Guide to creating chemSHERPA data





Explanatory materials, movies, and learning tools for chemSHERPA are available on the chemSHERPA website. Review the information on them to learn more about using chemSHERPA.

chemSHERPA website https://chemsherpa.net/english

For detailed instructions on using the chemSHERPA-AI Data entry support tool and on error handling, send your questions to chemSHERPA Help Desk.

chemSHERPA Help Desk https://chemsherpa.net/english/help

Epson's survey on chemical substances in products

We may, if necessary, ask you to complete a new survey for production materials, using the latest version of chemSHERPA-AI data entry support tool or the substances list, even if you have already completed an earlier survey. This will depend on the laws and regulations governing substances in products and the changes in the new version of chemSHERPA-AI.

If we find that surveys using chemSHERPA-AI cannot meet regulatory requirements or the requirements of Epson's customers, we may ask you to complete a survey other than chemSHERPA-AI.

Thank you for your cooperation in Epson's survey on chemical substances in products.

EPSON

Rev.	Date	Page	Revised Content Before => After	Reason
1.0	August 29, 2018	All	Rev. 1.0 was issued	
2.0	March 27, 2019	7	 https://chemsherpa.net/chemSHERPA/tool/ https://chemsherpa.net/tool https://chemsherpa.net/chemSHERPA/english/tool/ <u>https://chemsherpa.net/english/tool</u> 	URL change
		34	 https://chemsherpa.net/chemSHERPA/english/ <u>https://chemsherpa.net/English</u> 	URL change
3.0	November 25, 2019	All	 All Ver. 1.05.00a chemSHERPA window shots were replaced with Ver. 2.00.00. Expressions and wording were revised and unified. 	Compatibility with Ver. 2 of chemSHERPA
		4	 "Basic guide for chemSHERPA data" > changed to "Epson's basic guide for chemSHERPA data" Added instructions about using Ver. 2 of the shai file format for answer files. Added the following note: (AI is also used for adhesives, drugs, and other chemical substances.) "Use the chemSHERPA-AI file specified by Epson" changed to "Use the version of chemSHERPA - AI that is specified on Epson's Green Purchasing site." 	Clarified where it is specified

Rev.	Date	Page	Revised Content Before => After	Reason
3.0	November 25, 2019	7	Added "Please use the tool version that is specified on Epson's <u>Green Purchasing site</u> ."	Clarified where it is specified
		9	Added a note about asking the Epson requester to send a file if requester information does not appear in the Requester fields.	Clarification
		12	Added a note about not updating the reporting unit if it has already been entered in the request file	Clarification
		14	Company ID: Changed from "Your company code" to "The unique 6-digit code assigned by Epson (entered in the request file sent by the Epson requester)"	Clarification
		18	Simplified the content, limited the description to entering content above the threshold.	Revised to facilitate understanding
		19	Simplified the content, deleting information about entering content above the threshold.	Same as above

Rev.	Date	Page	Revised Content Before => After	Reason
3.0	November 29, 2019	23	 Changed "Has the company code has been correctly entered in the Company ID field?" to "Confirm that the information provided in the mandatory fields (indicated by a red box) on the Issuer and Authorizer window is correct." Added "the unique 6-digit code assigned by Epson" to the explanation about the company ID. 	Same as above
		24	Added "Valid from" to the mandatory items indicated by red boxes.	Corrected errors
		28	"Click 'Compliance" changed to "Click "Show" under the Compliance (CPL) column"	Compatibility with Ver. 2 of chemSHERPA
		30	"Click Company, then Enter, and then Issuer/Authorizer" changed to "click Company > Issuer/Authorizer"	Same as above
		32	Added "(12) Click 'OK.'" Added "(13) After checking the Authorization window" (14) "Enter the filename" changed to "Change the filename as needed."	Added explanation to prevent misunderstandings
		34	Updated the chemSHERPA website window shot.	Website design changed

Rev.	Date	Page	Revised Content Before => After	Reason
3.1	January 15, 2021	All	- All Ver. 2.00.00 chemSHERPA window shots were replaced with Ver. 2.02.00.	Compatibility with Ver. 2.02 of chemSHERPA
		4	 Added and changed the contents below to Epson's basic guide. Addition: Data should be created in conformance to the documents issued by JAMP Addition: Be sure to check the "□Compliance" box at "SCIP information" in the general window Change: Composition information is optional => Composition information should be transmitted to the extent possible. Added: Request when creating compliance assessment information 	Clarified Basic policies Fulfilling EU compliance requirements Clarified Basic policies Communicated JAMP rules
		5	 Composition information is optional > Composition information should be transmitted to the extent possible. 	Changed the Basic Policy
		6,8,10,13, 15,24,27, 29,32,34	- Added: Added 18 and 113.2 and 113.5 and 117 of the "chemSHERPA Data Entry Support Tool for Articles Operations Manual" to the column of "Enter the compliance assessment information"	Added the item numbers of operation manuals that are used for reference.
		9	- Added: Requester product information does not appear in the Requester fields.	Clarified the operation

Rev.	Date	Page	Revised Content Before => After	Reason
3.1	January 15, 2021	11	 Click the box for Information on requester On/Off Requester data entry enabled => the requester information and requester product information will be displayed 	Action of survey requesters
			 Added: "If the request file from Epson has already been filled out, please do not update it". Added: "Be sure to check the "SCIP info □Compliance" box". 	Clarified the operation Fulfilling EU compliance requirements
		12	 Reference No.:will be automatically entered => Revised to:will be automatically displayed 	Changed to appropriate wording
		14	 will be automatically entered = > Revised to:will be automatically displayed 	Changed to appropriate wording
		16	 Added:First, check the registered composition, then click "Convert from Composition". (for a non-composite part) 	Communicated JAMP rules
		17	 Added a page on: Enter the compliance assessment information using the "Integretion" function (for a composite part with a multi-level BOM) 	Communicated JAMP rules
		23	- Added a page on: Entering SCIP information	Fulfilling EU compliance requirements

Rev.	Date	Page	Revised Content Before => After	Reason
3.1	January 15, 2021	26	- Added an explanation that users must confirm that the required fields have the box, 🗹, "compliance assessment information" at SCIP Information checked.	Fulfilling EU compliance requirements
		30,31	- Subdivided the composition of chemSHERPA window	To facilitate understanding
		30	- Changed contents so that the procedures can be more easily understood	To facilitate understanding
		31	- Added SCIP information to the check items at the time of approval	Fulfilling EU compliance requirements
		35	 Changed : Confirm the "Authorization date" date are entered => "Next, confirm that the "Preparation date" and "Valid from" fields enter the "Authorization date" 	Adjusted procedures
		36	 Added: "For the file name of the chemSHERPA data that has been submitted to us, we recommend naming the file by using the data entry support tool". 	Made sure to prevent duplications
		37	- Added: "Information obtained from the upstream source should be transmitted downstream in full, without"	Communicated JAMP rules

Rev.	Date	Page	Revised Content Before => After	Reason
3.1	January 15, 2021	36	 Added: "For the file name of the chemSHERPA data that has been submitted to us, we recommend naming the file by using the data entry support tool". 	Made sure to prevent duplications
		37	- Added: "Information obtained from the upstream source should be transmitted downstream in full, without"	Communicated JAMP rules
4.0	March 31, 2023	All	 Revised overall in line with the mandatory entry of composition information 	Changed the Basic Policy
4.1	November 8, 2024	7-16	- Modified the screen capture to the data entry support tool V2R1.	Changed in the tool
		7, 10	 Added the explanation of the candidate of declarable substances and FMD 	Changed in the Rules on the Use and tool
		17	 Newly added: clarified that V2 format must be selected for authorize / output. 	Changed in the tool
		19	-Modified: chemSHERPA-AI data entry support tool => chemSHERPA-AI data entry support tool or the substances list	Changed in the tool

