Investigation Manual for

Regulated Chemical Substances (For Suppliers)

Electrical and electronic business : chemSHERPA supported version

Version 4.9, Nov. 2022

OMRON Corporation

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1. Introduction

OMRON Group (hereinafter referred to as “OMRON”) established its Environmental Management Vision in 2002 to maintain global environment. In order to "continuously offer ‘environmentally assured products’[*1] to customers despite the global tightening of laws and regulations such as RoHS Directive and REACH Regulation, we continue to perform the investigation of chemical substances contained in parts and materials (hereinafter referred to as “Parts and Materials Investigation”).

OMRON is investigating with chemSHERPA[*3], an information transmission scheme conforming to IEC 62474 [*2] which is the international standard of the electrical and electronic industry, to facilitate the transmission of information in the supply chain. We ask our suppliers to understand our intention on the management of chemical substances and for their continuous support in this aspect.

*1. Environmentally assured products: This term refers to products whose component parts and materials meet “OMRON’s requirements for the management of chemical substances in parts and materials” stipulated in Section 5.1 of this Manual.

*2. IEC 62474: This is the international standard (standard name: Material Declaration for Products of and for the electrical and electronics industry) that came into force in March 2012 and stipulates the following two points.
   (1) Various requirements (basic and optional requirements) required for material declaration (transmission of information on composition and contained substances) circulated between companies in the supply chain.
   (2) Criteria for selecting subject chemical substances and method for exchanging data.

*3. chemSHERPA: This is the scheme for transferring information on chemical substances contained in products in the supply chain developed by the Ministry of Economy, Trade and Industry of Japan

2. Purpose of This Manual

OMRON’s Investigation Manual for Regulated Chemical Substances (hereinafter referred to as “this Manual”) clarify the following contents.

- Requirements of Parts and Materials Investigation
- Procedure for handling Parts and Materials Investigation

Of the requirements and procedures of OMRON’s Parts and Materials Investigation, see Sections 5.2.1 and 5.3.1 for the requirements related to chemSHERPA. For details on other matters, including how to prepare chemSHERPA, please refer to various other manuals provided by chemSHERPA secretariat. This Manual defines the requirements and handling procedure in OMRON's typical electrical and electronics industry. However, investigations may also be carried out for contents different from this Manual depending on OMRON's business requirements in other industries.

3. Scope of Parts and Materials for Investigation

This standard applies to the products, parts, materials, packaging materials*1 which constitutes OMRON products.

Generally, OMRON will instruct suppliers on which products supplied to OMRON are to be investigated, and investigation will be carried out in units of products or parts purchased by OMRON in principle.

OMRON products are defined as follows.

- Products designed, manufactured and sold by OMRON
- Products sold under the brand name of OMRON
- Products designed and manufactured by OMRON that are outsourced from third parties

*1. Packaging materials: All types of packaging materials used to protect, handle and deliver parts and materials used in the suppliers' products as well as all types of packaging materials used to protect, handle and deliver suppliers' products to OMRON.
Example: Cardboards, cushioning materials, bags, twist ties, adhesive tapes, desiccants, magazine stick、labels attached to them, etc.
Packaging materials that arhe specified in product specifications and become parts of the product are included as subjects to Parts and Materials Investigation.
However, the packing materials that are used for the purpose of transfer of products from your company to Omron are exempted from the subject of materials investigation.
In addition, transfer of products to Omron is a part of your company's processes. As required in our OMRON Green Procurement Standards, please implement appropriate process management (including management of transfer contamination of phthalate esters, etc.).

4. Overview of Parts and Materials Investigation

The flow of parts and materials investigation is described in (1) to (5) below. (Refer to Figure 1)

(1) OMRON specifies subject products for investigation and requests you (primary suppliers) to conduct the investigation.
(2) You request your own suppliers (secondary suppliers) to conduct the same investigation.
(3) Your suppliers (secondary suppliers) provide you with their answers to the investigation you requested.
(4) Based on the investigation results, you provide OMRON with the data of chemical substances (chemSHERPA-AI file[*1]) on the target products as well as the Certificate of Non-inclusion for Regulated Substances[*2] or Declaration of Phase-out of Regulated Substance[*3].
(5) OMRON provides "environmentally assured products" to customers.

As long as OMRON's requirements (Section 5.1) are met in the investigations conducted in (2) and (3) above, OMRON shall not dictate as to which investigation method your company (primary supplier) and your supplier (OMRON's secondary supplier) use.

*1 chemSHERPA-AI file: Electronic data that contains information on subject products for investigation and their chemical substances investigated using the chemSHERPA-AI entry support tool (a tool to assist the preparation of article information in chemSHERPA).
*2. Certificate of Non-inclusion for Regulated Substances: A document that certifies that parts and materials delivered to Omron as of the date of issuance do not contain any substances/applications whose use is banned (A rank) or substances/applications whose use is to be phase-out (A1 rank).
*3. Declaration of Phase-out of Regulated Substances: A document to promise the total elimination of phase-out substances/applications (A1 rank) specified by OMRON, if they are still contained in parts or materials.

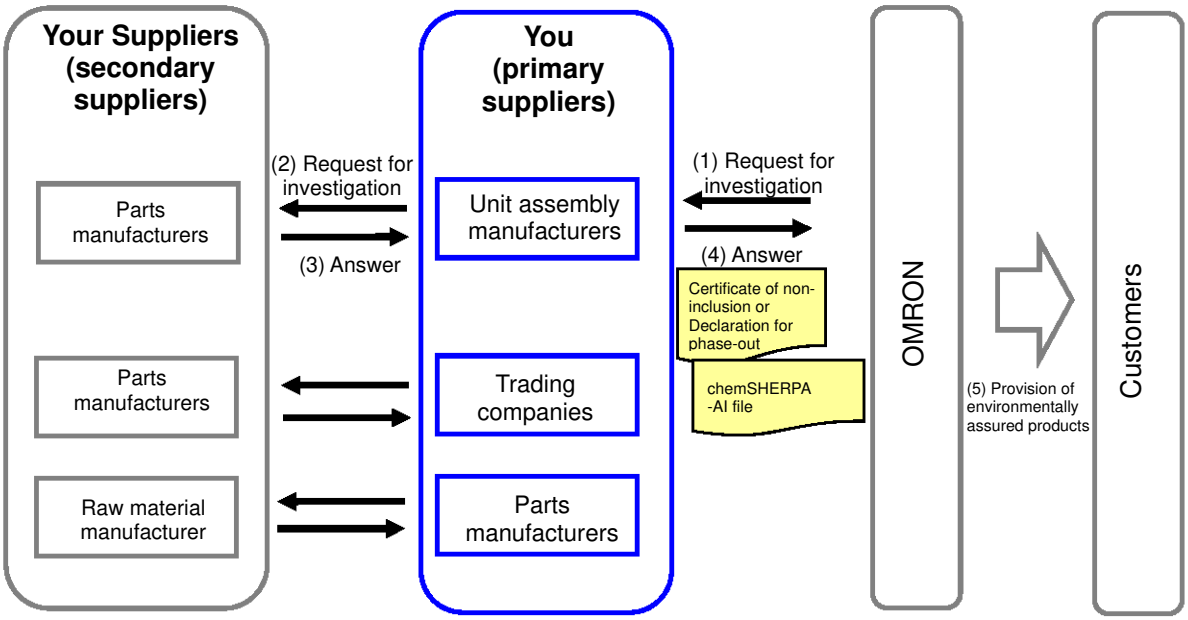


Figure 1. Relationship between Parts and Materials Investigation and environmental assurance

5. Requirements

5. 1 OMRON's Requirements for the Management of Chemical Substances in Parts and Materials

5. 1. 1 Management of chemical substances in parts and materials

In OMRON common electric and electronic business, we manage chemical substances stipulated in laws and regulations for its products, parts, and materials according to OMRON's unique management classification (rank) for chemical substances. "List of Regulated Chemical Substances (Attachment 1)" and "Exempted Application List (Attachment 2)" define the management classification (rank) of substance / substance group for each reportable application. Comply with the requirements for the Omron management classifications.

In principle, OMRON will not purchase any parts or materials that contain banned substances.

Table 1. Requirements for each management classification (rank)

Management classification (Rank)	Requirements	Definition of management classification
Banned substances/applications (A rank)	Banned to use in products, parts or materials	Substances whose content is already banned by laws and regulations, or substances/applications designated as banned to use by OMRON originally.
Phase-out substances/applications (A1 rank)	To be substituted before the deadline for the phase-out in parts and materials. Banned to use after the deadline for the phase-out in parts and materials.	Substances whose ban for use in the future has already been finalized, or substances/applications designated as non-use by OMRON originally (deadline for the non-use is specified by OMRON)
Content management substances/applications (B rank)	Grasping of contained amount of regulated substances and promotion of alternative substances	Among the substances/applications designated by IEC62474, those for which grasping of the contained amount/ratio and consumption are required by laws and regulations, or those for which content indication or information provision of the safeness, etc. is required by laws and regulations if they are contained.
Voluntary control substances/applications (C rank)	Understanding of the contained amount	Among the substances/applications designated by IEC62474 those that are other than banned substances/applications (A rank),phase-out substances/applications (A1 rank), and content management substances/applications (B rank).

Note 1 In accordance with Section 3.2.1 (3) of the Green Procurement Standard, regardless of whether the product is subject to an investigation of contained chemical substances, conduct appropriate process control (control of transfer contamination of phthalates via equipment, tools, packaging materials, etc. used in manufacturing) to prevent confusion of A and A1 rank substances.

5. 1. 2 Basic understanding on content criteria and content above the threshold

The judgment whether a chemical substance is contained or not is based on Table 2 below. When the substance does not fall in “reportable applications,” or it falls in “reportable applications” but the content is below “reporting threshold,” the substance is considered to be “not included.” The content critria is established for each substance/substance group in the List of the Regulated Chemical Substances (Attachment 1). The basic understanding on the content above the threshold shown herein is the same as that of IEC62474.

Table 2. Content criteria and content above the threshold

Content Criteria		Content above the threshold
Reportable Applications *1	**Reporting Threshold *2**	
Applicable	Or more	Y
	Less than	N
Not applicable	Or more	N
	Less than	N
Not applicable (unknown)	Refer to 5. 2. 1 (5)	

*1. Reportable Applications :Target application of substances regulated by laws and regulations.
For each substance, target applications such as "all products", "batteries", "textile products", "products for children" are designated. If this target application is not applicable, it is excluded from the management of chemical substances in parts or materials.

*2. Reporting Threshold: Threshold of substances in target application regulated by laws and regulations.
If content rate is indicated as the reporting threshold, content is judged based on the content rate calculated as per denominator indicated in the “Reporting Level (product / article / part / material).”

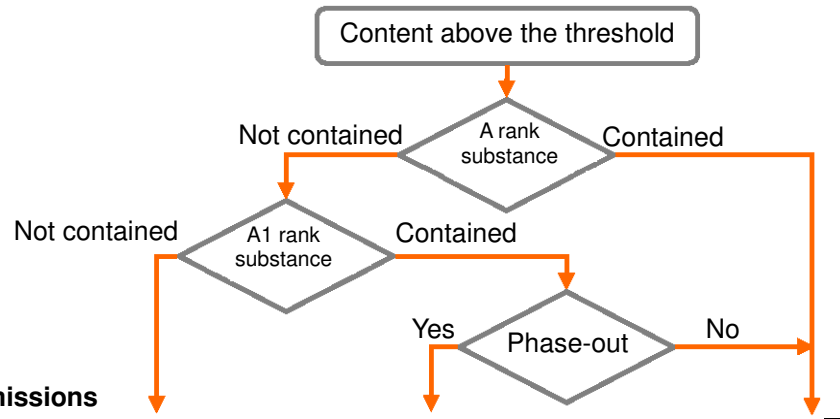
* If “reporting threshold” shows “intentionally added", content above the threshold is “Y” if there is intentional addition regardless of amount added, and content above the threshold is “N” if there is no intentional addition. Examples of unintentional addition include impurities contained in natural resources, process reaction residue etc.

* If "reporting threshold" shows “intentional addition" or "content rate (%)”, it is judged to be "Y" if either is fulfilled. (This is to be on the safe side)
* Articles are items given specific shape, appearance or design during its manufacturing to serve its function in its end application rather than the functions of its chemical composition.
For products comprised of one or more articles, each component shall be considered as an article (based on the decision of the European Court of Justice in September 2015).

5. 1. 3 Submission of documents based on content above the threshold results

OMRON will continue to purchase materials that are supported by documents such as content above the threshold results.

OMRON's Certificate of Non-inclusion and chemSHERPA-AI file shall be submitted as means to check for the non-inclusion of substance / application of A and A1 ranks and content information of substance / application of B and C ranks. OMRON's Declaration for Phase-out shall be submitted if substance / application of A and A1 ranks are contained and its phase-out is planned. Figure 2 shows the submissions of documents based on content above the threshold results.



Documents for submissions

chemSHERPA-AI file	○	○	○
Certificate of non-inclusion	○	-	-
Declaration for phase-out	-	○	-
Your action		•Will phase out until the date of use prohibition •Will submit Process Change Report(PCR)/Specification Change Request(SCR), and/or samples.	
OMRON's action	Purchase continues	•Can purchase until the date of use prohibition. •Will conduct re-investigation after phase-out.	•Will terminate purchase. •Will switch to other parts/materials.

○: Submission necessary, -: Submission not necessary

Figure 2. Submission of documents based on content above the threshold results

Note 1. Although chemSHERPA has chemSHERPA-AI (article) and - CI (chemical), OMRON uses only chemSHERPA-AI (article).

5. 1. 4 Actions in case a banned substance/applications (A rank) is found to be contained

In the event that a banned substance/applications(A rank) is detected as contained, immediately contact OMRON's contact person. Follow the instructions from OMRON regarding the part or material containing the banned substance, and take appropriate actions including stopping the production, as necessary.

5. 2 Requirements when Responding to Investigation Request

5. 2. 1 Requirements for the preparation of chemSHERPA-AI file

chemSHERPA-AI is made of 3 information windows : "General", "Compliance" and "Composition".

When preparing chemSHERPA - AI file, prepare the file based on the following.

(1) Collection of your company information

In principle, request for the investigation of parts and materials are made to the suppliers or vendors of the parts or materials. However, if response is not received from OMRON's designated suppliers, please consult OMRON's contact person.

(2) The specified version of the chemSHERPA-AI support tool

In principle, please use the specified version of the chemSHERPA-AI support tool when OMRON requests the investigation.

(3) Preparation of “Compliance” and “Composition”

OMRON requires that “Compliance" be fully completed. As for “Composition”, it is optional. However, depending on OMRON's business requirement, it may be required. Please respond accordingly to requests from OMRON when there is a requirement for this.

When preparing both “Compliance” and “Composition", please check the conformance of the information.

When preparing “Composition", prepare the information based on the Rules on the Use of Information on Chemicals in Products Under the chemSHERPA. Enter the “Level name” and “Part name” in half-width alphanumeric characters.

(4) Reporting unit

“Reporting unit” in “General” shall be set according to the unit of OMRON's product number indicated in OMRON's requests for investigation. (Refer to Table 3.)

Table 3. “Reporting unit” in **chemSHERPA-AI** for unit of OMRON's product number

Unit of OMRON's product number	**“Reporting unit” in chemSHERPA-AI**
PCS, piece	piece*1
MM, CM, M, KM (electrical cable)	cm, m
ML, L, KL, litter	l, cm3, m3
MG, G, KG (material-related units)	g, kg * the unit used in "Unit of mass" is the same as the unit used in "Reporting unit". Set the "Mass" always as "1".

*1. Prepare the chemSHERPA - AI file for each quantity of OMRON's product number that are in transaction with OMRON.

- For example, one contact pin (1 piece) and one reel (1 piece) of connector have different meanings. Please contact OMRON if you are unsure.
- Do not include packaging materials (such as wrapping materials, cushioning materials, tapes, labels etc.) that are used on the subject products or disposable boards that will be discarded after the delivery or after the production process is completed.

(5) Confirming reportable applications

When filling in "Compliance", if suppliers are not sure what the product will be used for in OMRON, and are unable to confirm its reportable application; suppliers are required to confirm the use with OMRON and judge whether it is contained or not. For example, the reportable application of Phthalate Group 2 is "toys and childcare articles". So, if the reportable application is unclear, get a confirmation from OMRON before replying. Please refer to the following for subject substances that have to be confirmed for their reportable application.

Subjects: Nickel, dioctyltin (DOT) compounds, Polybrominated biphenyls (excluding PBB, PBDE, and HBCDD), Some azocolorants and azodyes, Selected phthalates Group 1 (BBP, DBP, DEHP, DIBP), Selected phthalates Group 2 (DIDP, DINP, DNOP), Halogenated Flame Retardants, Chlorine flame retardant (CFR), Cadmium, Lead, Mercury, PFOS, PFOA, PAHs, Mineral oil aromatic hydrocarbons comprising from 1 to 7 aromatic rings(MOAH), Mineral oil aromatic hydrocarbons comprising from 3 to 7 aromatic rings(MOAH), Hydrocarbons saturated with mineral oil containing 16 to 35 carbon atoms(MOSH)

(6) Usage and Portion used

Although information for "Usage" and "Portion used" in "Compliance" are not mandatory to be filled in, suppliers are required to fill in as much information as possible to facilitate transmission of information to customers.

(7) Regarding SCIP *1 information entry

On the general screen of the chemSHERPA-AI file, be sure to select the “SCIP information” field (Compliance/Composition). (See Attachment 8.)

When SVHC are contained, enter the SCIP information in the SCIP information screen (See Attachments 9-(2) and 10-(2)). The following six items are required in the SCIP information entry: (1) Article Name, (2) Primary Article Identifier, (3) Article Category, (4) Production in European Union, (5) Safe use instruction, and (6) Material Category.

Depending on the business, requests may be made that differ from those covered by the Investigation Manual.

(8) Response to the loss of REACH SVHC content information (cautionary notes when using the tool of Ver. 2.00 or later)

Due to the specification of the tool, the SVHC information which is contained will be lost when data from an older version (Ver. 1.07/1.06, etc.) whose compliance states the SVHC content information in "Compliance" is loaded using the tool of Ver. 2.00 or later and updated (cancellation of finalization) or combined. Check the SVHC content information before executing update (cancellation of finalization) or combination, and manually input the content judgment, content and so forth when preparing the Ver. 2.00 data or one of a later version to make sure that the information is transmitted.

(9) Handling of information provided

Information provided by your company will be used as information on OMRON product in accordance with “Rules on the use of Information on CiP under the chemSHERPA”. This information is not confidential information and it is disclosed to downstream companies. Therefore, do not include confidential information in the data prepared.

*1 SCIP (Substances of Concern In articles as such or in complex objects (Products)) refers to the SVHC (substances of very high concern) information contained in parts and molded products which constitute the product. In accordance with the amendment to the EU Waste Framework Directive (2018/851 WFD), from January 5, 2021, it will become mandatory to register SCIP information to the SCIP database established by the ECHA (European Chemicals Agency). To address this responsibility, SCIP information must be communicated.

5. 2. 2 Requirements for the preparation of "Certificate of Non-inclusion for Regulated Substances"

When the products, parts or materials delivered to Omron as of the date of issuance do not contain any of the prohibited substances/applications that fall under “banned substances/applications (A rank)” and “non-use substances/applications (A1 rank)” of Attachment 1 “List of Regulated Chemical Substances,” prepare the “Certificate of Non-inclusion for Regulated Substances” in Attachment 4 as an evidence document as shown below.

(1) Enter “Company name”, “Department name”, “Title name”, “Signature of Responsible Person” and “Telephone number”. In principle, OMRON's primary supplier shall prepare this document. If you are a trading firm, please enter your company's name and not the manufacturer's name. The seal to be stamped on this document shall be your company’s seal or the signature of your responsible person. The responsible person specified here shall be a person who can guarantee on the information provided and accountable in the event of unforeseen situations (incurring of damage compensation etc.)

(2) Enter ”OMRON's product” number and ”Product name” of the products, parts or materials that contains no regulated substances. If the given space is not sufficient to write in all subject substances, a separate sheet may be attached.

(3) Enter “year, month, day” of the issuance. The validity of this certificate shall be until your next issuance of this certificate.

Note 1. OMRON may request the submission of analytical (measurement) data apart from the Certificate of Non-inclusion when its customers request so.

Note 2. When the parts/materials subject to the survey are packaging and wrapping materials used for transportation from Omron to customers, confirm non-inclusion of not only the substances/applications regulated by chemSHERPA, but also of substances/applications uniquely added by Omron including heavy metals (cadmium, hexavalent chromium, lead, and mercury), polyvinyl chloride\\\ (PVC), and phthalates group 1 contained in the packaging materials listed in Attachment 1 “List of Regulated Chemical Substances.”

5. 2. 3 Requirements for the preparation of “Declaration of Phase-out of Regulated Substances”

When a part or material contains any phase-out substances / applications (A1 rank) listed in the List of Regulated Chemical Substances (Attachment 1) (with a condition that banned substances / applications (A rank) are not contained), the Declaration of Phase-out of Regulated Substances Contained in Parts and Materials (Attachment 5) shall be prepared to guarantee the phase-out of such substances by the deadline for non-use (time of total elimination).

(1) Enter “Company name”, “Department name”, “Title name”, “Signature of Responsible Person” and “Telephone number”. In principle, OMRON's primary supplier shall prepare this document. If you are a trading firm, please enter your company's name and not the manufacturer's name. The seal to be stamped on this document shall be your company’s seal or the signature of your responsible person. The responsible person specified here shall be a person who can guarantee on the information provided and accountable in the event of unforeseen situations (incurring of damage compensation etc.)

(2) Enter “OMRON's product number”, “Product name", “Application Code in Exempted Application list " and “Deadline for phase-out” of the product, part or material to be phased out. The deadline for phase-out shall be any date prior to the time of total elimination specified by OMRON. If the given space is not sufficient to write in all subject substances, a separate sheet may be attached.

(3) Enter “year, month, and day” of the issuance. The validity of this declaration shall be until the completion of your actions to phase out subject substances and the issuance of their Certificate of Non-inclusion.

Note 1. Whenever a material or process change is made necessary as a result of phase-out substances / applications (A1 rank) replacement, Specification Change Request (SCR) (Attachment 6) or Process Change Report (PCR) (Attachment 7)* shall be submitted to OMRON’s contact person before the deadline for phase-out for approval. Samples may need to be attached, if necessary.
* Different forms may be used depending on the department in charge in OMRON. Check with the department in charge for the report to be used.

Note 2. OMRON is able to purchase parts or materials whose Declaration of Phase-out have been provided to OMRON up until the time of total elimination specified by OMRON. OMRON will conduct the investigation again after the implementation of phase-out. (Investigation using the new product number will be conducted when the product number is changed as a result of the phase-out.)

Note 3. If phase-out is not performed, the Declaration of Phase-out cannot be submitted. In such case, OMRON will then consider replacing it to other parts and materials.

Note 4. When the parts/materials subject to the survey are packaging and wrapping materials used for transportation from Omron to customers, confirm non-inclusion of not only the substances/applications regulated by chemSHERPA, but also of substances/applications uniquely added by Omron including heavy metals (cadmium, hexavalent chromium, lead, and mercury), polyvinyl chloride (PVC), and phthalates group 1 contained in the packaging materials listed in Attachment 1 “List of Regulated Chemical Substances.”

5. 3 Requirements for Submission and Change Management

5. 3. 1 Naming of files to be submitted

Submit documents (data) saved as naming rule below.

<Naming rule>

Type of file	_Supplier code_	Reference no.	_Issue date_	Character string .	Extension
(1)	**(2)**	**(3)**	**(4)**	**(5)**	**(6)**

(1) SHAI: chemSHERPA-AI file; HGS: Certificate of Non-inclusion; ZPS: Declaration of Phase-out
(2) Supplier code: eight digits, E.g., 02XXXXXX
(3) Reference no.: Investigation number specified by OMRON at the time of request (the reference number in the "requester information field" in chemSHERPA-AI)
(4) Date of issuance: eight digits, E.g., 20110401
(5) Character string such as model name or product name
(6) chemSHERPA-AI file: shai; Certificate of Non-inclusion / Declaration of Phase-out : pdf

5. 3. 2 Management of changes in information

If there were any changes in the information provided in the document (data) already submitted to OMRON, that document (data) must be immediately revised and informed to OMRON’s contact person. Changes are foreseen in below situations:

- Calculation error of the substance's content was detected.
- Changes in content information provided by your supplier.
- A new substance was added to the list of chemical substances in this manual or the content criteria is changed.
- A change (material, printing, paint, plating, adhesive, lubricant, soldering and production site) occurred at supplier's site.

(If necessary, documents such as Specification Change Request (SCR) (Attachment 6) * or Process Change Report (PCR) (Attachment 7) *, and samples may have to be submitted)

* Different report may be used depending on the department in charge in OMRON, Check with the department in charge for the report to be used.

6. Response Procedure

6. 1 Confirmation of Documents Related to chemSHERPA

Check the following documents to understand how to prepare the chemSHERPA-AI file. Manuals and tools are available in Japanese, English, and Chinese from the websites of the Ministry of Economy, Trade and Industry of Japan and chemSHERPA.

*Website of Ministry of Economy, Trade and Industry of Japan:
http://www.meti.go.jp/policy/chemical_management/other/douga.html(Japanese)
http://www.meti.go.jp/policy/chemical_management/english/video.html (English)

(1) Overview Description (video)
(2) Operation Instructions (video)

* Web site of chemSHERPA:
https://chemsherpa.net/(Japanese)
https://chemsherpa.net/english/(English)

(3) chemSHERPA Introductory Seminar Text
(4) chemSHERPA-AI quick manuals
(5) Rules on the Use of Information on Chemicals in Products Under the chemSHERPA
(6) Tools for supporting preparation of data for article products and manuals
    (6) -1 chemSHERPA Data Entry Support Tool for Articles - Article.exe
    (6) -2 chemSHERPA Data entry support tool for articles Operation manual
    (6) -3 chemSHERPA Data Entry Support Tool for Articles Data entry manual

6. 2 Procedure for Investigation of Material Composition

Conduct investigation of material composition based on the procedure shown in Figure 3.

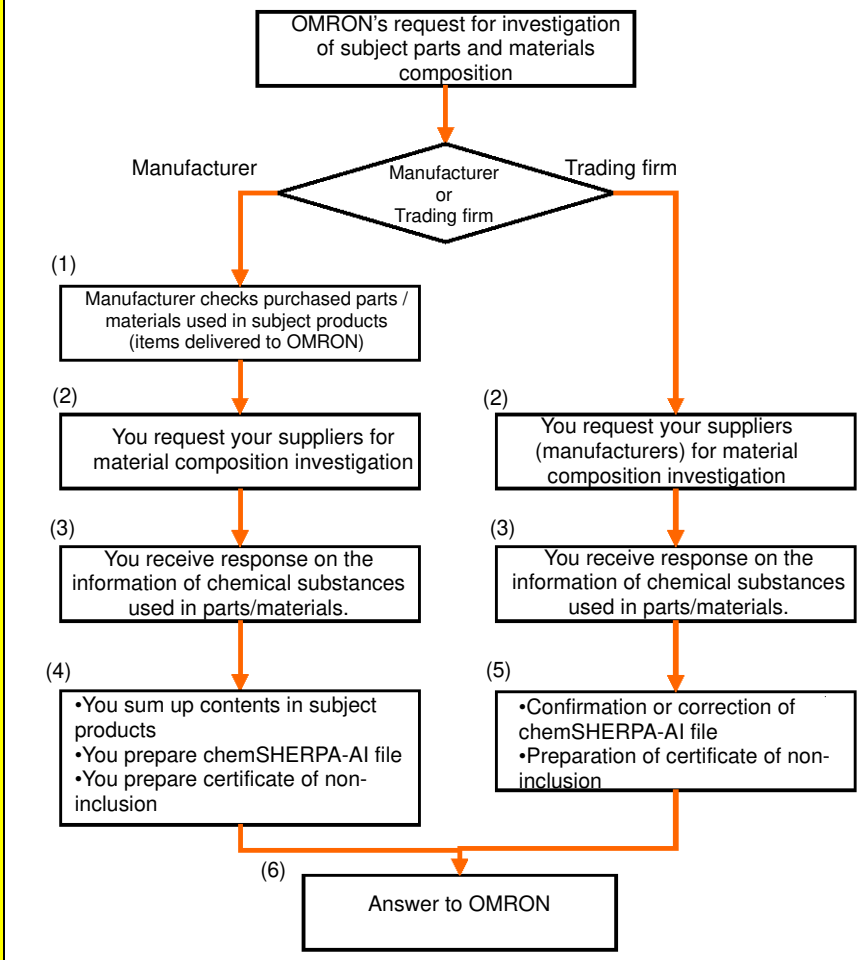
	Flow	Additional explanation
Procedure for Investigation of Material Composition		OMRON makes a request. (1) The manufacturer identifies purchased parts/materials used in the subject products for investigation (2) You request your suppliers to conduct material composition investigation. (3) You obtain information on chemical substances used in parts or materials from your suppliers (chemSHERPA(-AI/-CI*1), SDS*2 and analysis report may be used.) (4) The manufacturer sums up the contents for each of the subject product. Based on the data, manufacturer prepare the chemSHERPA-AI file using the chemSHERPA-AI support tool (Refer to Attachments 8 to 11) (5) The trading firm imports chemSHERPA-AI files obtained from their suppliers with the chemSHERPA-AI support tool to confirm the contents and makes corrections as required. (Refer to Attachment 12) If the content information obtained is not in chemSHERPA-AI file format, trading firms shall prepare the data in the chemSHERPA-AI file format as what manufacturers do. (Refer to Attachments 8 to 11) (6) Investigation results are sent to OMRON • chemSHERPA-AI file • Certificate of non-inclusion or Declaration for phase-out

Figure 3. Procedure for Material Composition Investigation

*1. chemSHERPA-CI
Electronic data that contains subject items for investigation prepared using the chemSHERPA-CI support tool meant for chemical products (preparation/mixture).

*2. SDS: Safety Data Sheet
These documents are prepared and provided to establishments using or dealing with chemical substances to help them ensure the protection of environment and people's health, and implementation of actions necessary to maintain occupational safety. In Japan, provision of SDS is obligated under the Industrial Safety and Health Act, PRTR Act, and Poisonous and Deleterious Substances Control Act.

6. 3 Specific Preparation Procedure and Examples

Specific procedure to prepare chemSHERPA-AI file and their examples are described in the following attachments for reference.

Attachment 8.	Procedure to prepare chemSHERPA-AI file (General) and its example (Edit by manufacturer's issuer)
Attachment 9.	Procedure to prepare chemSHERPA-AI file (Compliance) and its example (Edit by manufacturer's issuer)
Attachment 10.	Procedure to prepare chemSHERPA-AI file (Composition) and its example (Edit by manufacturer's issuer)
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History of Major Revisions

Date of revision	Version	Major Points of Revision
Oct. 21, 2003	Ver.1.0	First version
Nov. 1, 2006	Ver.2.0	Controlled substances were changed from 207 substance groups to 25 substance groups as per JGPSSI Ver. 3.
April 8, 2011	Ver.3.0	Total revision Controlled substances were changed from the substances compliant to JGPSSI Ver. 3 (25 substance group) to Ver. 4.11 (49 substance groups). Omron's own content standards and survey format were changed to those specified by JGPSSI.
July 31, 2012	Ver.3.1	Changed the controlled substances from the substances compliant to JGPSSI Ver. 4.11 (49 substance group) to Ver. 4.20 (61 substance groups). In conjunction with that, renewed Attachment 1 List of Regulated Chemical Substances/Attachment 2. List of indicated substances Added 5.2.3 Engineering Change Procedure (Preparation of Process Change Report). Changed the JGPSSI Tool to allow the entry of manufacturer's name in the respondent field that had been for the trading firm's name. Certificate of non-inclusion Updated the Investigation Manual for the Regulated Chemical Substances from Version 3.0 to Version 3.1 Changed the number of substance groups: A rank from 26 to 28; A1 rank from 2 to 0 Product number field: Deleted "(or manufacturer's name)" Category name field: Renamed to "Description" Catalog number field: Renamed to "Remarks" Declaration for phase-out Changed the number of substance groups: A rank from 26 to 28; A1 rank from 2 to 0 Product number field: Deleted ("or manufacturer's name)" Category name field: Renamed to "Description" Catalog number field: Renamed to "Remarks"
April 21, 2014	Ver.3.2	•Controlled substances were changed from the substances compliant to JGPSSI Ver. 4.20 (61 substances) to Ver. 4.31 (88 substances) •"List of Regulated Chemical Substances" was inserted. •Changed to "List of Regulated Chemical Substances/intended uses" •"Specification Change Request (SCR)" was inserted. •Attachment numbers were reassigned according to the change above. •Definition of management classification was reviewed and the ranks were re-set Certificate of non-inclusion "Investigation Manual for the Regulated Chemical Substances" was updated from Ver. 3.1 to 3.2 Declaration for phase-out "Investigation Manual for the Regulated Chemical Substances" was updated from Ver. 3.1 to 3.2
Dec. 26, 2016	Ver.3.3	•The substances list referenced by Omron was changed from JGPSSI Ver 4.31 to IEC 62474. •Considering IEC 62474 DSL, the 10 substances of A rank were added in Omron's substances list. Banned substances: PFOA, PAHs, BNST •In Polychlorinated naphthalene, the scope of banned substances is revised from 'more than 3 chlorine atoms' to 'more than 1 chlorine atom'. •Considering EU RoHS directive (2011/65/EU), the 4 Phthalate esters' rank were shifted to rank A1. Non-use substances: DEHP/DOP, BBP, DBP, DIBP •Certificate of Non-inclusion for Regulated Substances "Investigation Manual for the Regulated Chemical Substances" was updated from Ver. 3.2 to 3.3. •Declaration of Phase-out of Regulated Substances "Investigation Manual for the Regulated Chemical Substances" was updated from Ver. 3.2 to 3.3.

Mar. 31, 2017	Ver.3.4	In Ver 3.3, there were several misprints such as a different description between Attachment 1 and Attachment 2, so Omron corrected the misprints. Main correction points are as follows. PBB/PBDE (Attachment 1 and Attachment 2) TBTO (Attachment 1) HBCDD (Attachment 2) Polychlorinated naphthalenes (Attachment 2) PVC (Attachment 1) DEHP（DOP）/DBP/BBP/DIBP (Attachment 2.) PFOA (Attachment 2.) PAH (Attachment 2.) BNST[(Attachment 1 and Attachment 2.)
Oct. 13, 2017	Ver.4.0	•Added management of chemical substances contained in parts or materials to requirements according to requirements of green procurement standard document •Reviewed requirements and preparation procedure according to change from JGP/AIS to chemSHERPA. •Reconfigured the list of substances in accordance with the list of substances in IEC62474/chemSHERPA (list of substances in Attachment). •Version of Non-inclusion for Regulated Substances was changed from 3.4 to 4.0. •Version of Non-inclusion for Declaration of Phase-out of Regulated Substances was changed from 3.4 to 4.0.
May 31, 2018	Ver.4.1	•Revision of the following contents in accordance with the version up to Ver.1.05 of the substance list of chemSHERPA(IEC62474) -The name change of the declarable material. (nickel → nickel compound) -The numbering method change in the material / material group (PAHs). -The addition of the SVHC 5 substance. -The subdivision of the RoHS application exclusion item (9(b), 13(b)). •Revision of the management division in accordance with the laws and ordinances change. (BNST: A→C) •Update of "Certificate on Non-inclusion for Regulated Substances" and "Declaration of Phase-out of Regulated Substances". (Ver4.0 → 4.1) •Revision about the notation of the term from the viewpoint of adequacy. (3. Scope of Parts and Materials for Investigation) •Addition of the description that individual measure out from the definition is necessary by customer request.
May 20, 2019	Ver.4.2	1．Because a material rank came in a set fixed date（Time of Total elimination）, it's changed to A（Banned substances） from A1（ Non-use substances）. ・Bis (2-ethylhexyl)phthalate (DEHP/DOP) ・Diisobutyl phthalate(DIBP) ・Dibutyl phthalate (DBP) ・Benzyl butyl phthalate (BBP) 2. A list of chemicals of" chemSHRPA (IEC62474)" upgraded Ver1.06, Ver1.07 and twice. This document changed the next with an upgrade of "chemSHRPA". (1) Attachment 1. List of Regulated Chemical Substances B: Content Management substances; It was added. ・Fluoranthene ・Pyrene ・Disodium octaborate ・Benzo[ghi]perylene ・Dodecamethylcyclohexasiloxane ・Decamethylcyclopentasiloxane

		・Octamethylcyclotetrasiloxane ・Terphenyl, hydrogenated ・2,2-bis(4'-hydroxyphenyl)-4-methylpentane ・Lead ・Dicyclohexyl phthalate ・Phenanthrene (2) Attachment 1. List of Regulated Chemical Substances A: Banned substances B rank useful was added to the substance registered with this list already. Benzo[k]fluoranthene (3)The name of the chemicals was changed to the name written in a decree. Attachment 1. List of Regulated Chemical Substances B: Content Management substances No.11 SG044 No.17 SG051 (4)This substance was eliminated from a list of chemSHERPA formally. Therefore it was also eliminated from our list(Attachment 1 C: Self control substances). Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene(BNST) (5)The RoHS exemption items were subdivided, so its description has been revised in the list . Attachment 2. Exempted Application List RoHS13(b), RoHS6(a), RoHS6(b), and so on (6)When a time limit of the RoHS exemption item is deliberating, description is corrected. It was corrected in a B rank from A1 rank. And "Time of Total elimination" was eliminated. (7) Correspond with a revise of the RoHS exemption item. Addition: RoHS39(a), 6(a)-, 6(b)- Ⅰ Ⅱ Delete:RoHS9(b) 3. This substance overlapped A list and a B list. Attachment 1. List of Regulated Chemical Substances. Description on a B list was eliminated and “Management Classification B” was added to the A list. A: Banned substances B: Content Management substances substance :Benzo[a]pyrene 4. The style was changed about Attachment 1,2,3. Several aspects of the incorrect description of the old version have been fixed.
Jan.20, 2020	Ver.4.3	1. Added Note 14 to Attachment 1. List of Regulated Chemical Substances as a method to report lead/lead compounds using chemSHERPA. 2. Changed the following in concurrence with a revision in chemSHERPA (IEC62474) substance list (Ver. 2.00). (1) Added the following substances to Attachment 1. List of Regulated Chemical Substances and Attachment 3. Illustrative List of Regulated Chemical Substances. ・ Added DIBP to selected phthalates Group 1 along with new applications ・Perfluorooctanoic acid (PFOA) and its salts・・・A: Banned substances ・PFOA-related substances・・・A: Banned substances ・ Tris (4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol ethoxylate, branched and linear・・・B: Content Management substances (2) Added the following to Attachment 2. Exempted Application List in concurrence with segmentation of RoHS exempted items.

		8(b)→8(b)-I, 15→15(a), 18(b)→18(b)-I, 21→21(a)・21(b)・21(c) (3) OMRON changed the following management classification(rank) based on exemption of RoHS directive. (4) Changed the description in “Referenced laws & regulations.” 3. Updated the Ver. of Certificate of Non-inclusion and Declaration for Phase-out (Ver. 4.2→4.3). 4. Added an additional explanation as the definition of “article” to “5.1.2 Basic understanding on content standard and content judgment.” 5. Added “(7) Actions to handle the loss of REACH SVHC content information (when Ver. 2.00 tool is used)” to Section 5.2.1 in concurrence with chemSHERPA tool specification change (Ver. 2.00). 6. Changed the described contents of Attachments 8 to 12 to the operation description for chemSHERPA Ver. 2 tool in concurrence with the change in tool (Ver. 2.00). 7. Changed the described contents for Note 1 in Section 5.2.2 as Section 5.1.4 to raise caution when a banned substance is found to be contained. Other changes in expression of terms and so forth from the viewpoint of appropriateness.
May.15, 2020	Ver.4.4	1. The following changes were made in concurrence with the revision (Ver. 2.01) of the list of chemicals in chemSHERPA (IEC62474). (1) The following substances were added to Attachment 1 List of regulated chemicals: ・Tetraboron disodium heptaoxide, hydrate --- B: Content Management substances ・Diisohexyl phthalate --- B: Content Management substances ・Perfluorobutane sulfonic acid (PFBS) and its salts (2) The control class (rank) was changed for the following application codes on Attachment 2 List of exempted applications in accordance with the expiration date for RoHS exempted applications. - 9,18(b)-Ⅰ,42 : B→A -2(b)(4),3(a),3(b),3(c),4(e),7(c)-Ⅳ,21(a),21(b),21(c),24,37,41 : B→A1 (3) "DOT not used for general public products" were deleted from the following substances/substance groups on Attachment 2 List of exempted applications. - SG009 Dibutyltin (DBT) compounds - SG010 Dioctyltin (DOT) compounds (4) The following application codes were added to Attachment 2 List of exempted applications as Omron requirements. - 7(b),9(b) : A (5) The following substances were added to Attachment 3 Illustrative List of Regulated Chemical Substances: - Perfluorobutane sulfonic acid (PFBS) and its salts (6) The following 4 substances were deleted from Attachment 3 Illustrative List of Regulated Chemical Substances: -SG049 Chrysene -SG050 Benz[a]anthracene -SG052 Fluoranthene -SG053 Pyrene (7) Other information described on matters related to the above changes was also changed. 2. Vers. of the non-inclusion certificate and written oath of abolishment were updated (Ver. 4.3 -> 4.4). Other changes in expression of terms and so forth from the viewpoint of appropriateness.
Jan.25, 2021	Ver4.5	1. As a result of the revision of the substances list of chemSHERPA (IEC 62474) (Ver. 2.02), revised the following. (1) Added the substance below to Attachment 1 “List of Regulated Chemical Substances” (B: Content management substances/applications).

		-Tin, dibutylbis (2,4-pentanedionato-O,O') -, (OC-6-11)- (2) Added applications to the four substance below to Attachment 1 "List of Regulated Chemical Substances" (A: Banned substances/applications). [Substance/substance groups] - No. 3 SG006: Cadmium/cadmium compounds - No. 4 SG008: Hexavalent chromium compounds - No. 8 SG014: Lead/lead compounds - No. 9 SG019: Mercury/mercury compounds [Applications (reportable applications)] - ID 00166, ID 00167, ID 00168, ID 00169: Video display with screen of 4 in. or larger (3) Changed the expressions of the applications of the substance below in Attachment 1 "List of Regulated Chemical Substances" (A: Banned substances/applications). [Substance/substance groups] - No. 8 SG014: Lead/lead compounds [Applications (reportable applications)] - ID 00021: All products except batteries (4) Changed the following application codes in Attachment 2 "Exempted Application List" according to effective period of RoHS. - 5 (b), 29: B -> A - 2 (b) (4), 3 (a), 3 (b), 3 (c), 4 (e), 7 (c)-IV, 21 (a), 21 (b), 21 (c), 24, 37, 41: A1 -> A (5) Deleted the following application codes from Attachment 2 "Exempted Application List" according to effective period of PFOS of the POPs Regulation. - PFOS-1, PFOS-2, PFOS-4, PFOS-5: B -> Deleted the application codes. (6) Added the following application codes to Attachment 2 "Exempted Application List" as a result of the transfer of PFOA to the POPs Regulation. - PFOA-1, PFOA-2: Newly added -> A1 (inclusion prohibition date 2022-1-4) - PFOA-3, PFOA-4, PFOA-6: Newly added -> A1 (inclusion prohibition date 2025-1-4) - PFOA-5, PFOA-7: Newly added -> A1 (inclusion prohibition date 2023-1-4) - PFOA-8: Newly added -> A1 (inclusion prohibition date 2026-6-30) - PFOA-9, PFOA-10, PFOA-11: Newly added -> A - PFOA-98: Newly added -> B (6) Added substances to Attachment 3 "Illustrative List of Regulated Chemical Substances." 2. Revised the wording of the following substances in Attachment 1 "List of Regulated Chemical Substances" (A: Banned substances/applications) to ensure the consistency with US state laws and to clarify that they are US state laws. [Substance/substance groups] - No. 42 SG006, SG008, SG014, SG019: Heavy metals in packaging materials (cadmium, hexavalent chromium, lead and mercury) (1) [Threshold (reporting threshold/reporting level)] Added "Intentionally added or" at the beginning. (2) [Reference laws, regulations, etc.] 94/62/EC (EUROPEAN PARLIAMENT AND COUNCIL DIRECTIVE on packaging and packaging waste); law in specified US states (Toxics in Packaging) 3. Updated the version of the Certificate of Non-inclusion and the Declaration for Phase-out (Ver. 4.4 -> 4.5) and revised the wording. 4. Added the following descriptions to this Investigation Manual. (1) Section 5.1.1, Note 1: For clarification of requirements for packaging and wrapping materials

		(2) Section 5.1.2: For supplementary information for non-inclusion (3) Sections 4 and 5.2.2: For supplementary information for guarantee period of Certificate of Non-inclusion (4) Section 5.2.1 (7): For addition of a request for SCIP information entry 5. Added explanation on SCIP information entry to Attachments 8 to 12. In addition, revised the wording for better appropriateness.
May 20, 2021	Ver4.6	1. Revised the following as a consequence of the revision of the chemSHERPA substance list (IEC 62474) (Ver. 2.03): (1) Added the following substance to Attachment 1 “List of Regulated Chemical Substances (A: Banned substances/applications).” ・Halogenated flame retardants (2) Added the following substances to Attachment 1 “List of Regulated Chemical Substances (B: Content Management substances).” ・Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety ・Bis(2-(2-methoxyethoxy)ethyl) ether (3) Changed the following application codes in Attachment 2 “Exempted Application List” according to effective period of RoHS. ・SG006・・・21(a), 21(b) ・SG014・・・7(C)-Ⅳ, 21(C), 24, 37, 41 ・SG019・・・2(b)(4), 3(a), 3(b), 3(c), 4(e) (3) Added the following substance to Attachment 3 “Illustrative List of Regulated Chemical Substances.” ・SG058 Halogenated flame retardants 2. Made the following changes to the Omron requirements. (1) Added the following substance to Attachment 1 “List of Regulated Chemical Substances (A1: Phase-out substances/applications).” ・Isopropylphenyl phosphate（PIP(3:1)） In addition, added the supplementary information related to the above changes.
Nov 19, 2021	Ver4.7	1. Revised the following as a consequence of the revision of the chemSHERPA substance list (IEC 62474) (Ver. 2.04): (1) Made the following changes in Attachment 1 “List of Regulated Chemical Substances” (A: Banned substances/applications): ・ Regarding “Bis(pentabromophenyl)ether” (CAS. 1163-19-5), the substance/substance group was described independently from SG027 “polybrominated diphenyl ethers.” ・ Made the following changes based on “COMMISSION DELEGATED REGULATION (EU) 2020/784”: - Changed the names of the referenced laws and regulations for SG054 “Perfluorooctanoic acid (PFOA) and its salts” and SG055 “PFOA-related substances.” - Changed the name of substance/substance group for SG055 “PFOA-related substances.” (2) Made the following changes in Attachment 1 “List of Regulated Chemical Substances” (B: Content Management substances/applications): ・ Added the following substances/substance groups listed in IEC 62474 DSL: - Cobalt/cobalt compounds - Neodymium/neodymium compounds ・ Added the following substances/substance groups which were confirmed in the 25th SVHC for REACH Regulation: - Medium-chain chlorinated paraffins (MCCP) - Sodium salt of boric acid - 4,4'-(1-Methylpropylidene) bisphenol (3) Made the following changes in Attachment 2 “Exempted Application List”: ・ Deleted the following application code according to effective period of

		RoHS: - SG006・・・21(a), 21(b) ・ Added the following application codes that were newly added: - PIP(3:1)・・・PIP-1, PIP-2, PIP-3, PIP-4, PIP-5, PIP-6, PIP-7, PIP-8,PIP-9 - DecaBDE・・・DecaBDE-1, DecaBDE-2, DecaBDE-3, DecaBDE-4, DecaBDE-5, DecaBDE-6 - Halogenated flame retardants・・・HFR-2, HFR-3, HFR-4, HFR-5, HFR-6, HFR-7 ・ Made the following changes based on “Commission Delegated Regulation (EU) 2021/115”: - Corrected the description of exempted applications for PFOA-1 and PFOA-2. - Newly added PFOA-12. (4) Added the following substances/substance groups to Attachment 3 “Illustrative List of Regulated Chemical Substances” that were added to IEC 62474 RSL: ・ SG058 Halogenated flame retardants: 9 substances ・ SG059 Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs, and any other stannane, dioctyl-, bis(fatty acyloxy) derivs, wherein C12 is the predominant carbon number of the fatty acyloxy moiety: 1 substance ・ SG060 Medium-chain chlorinated paraffins: 4 substances ・ SG061 Sodium salt of boric acid: 6 substances 2.Made the following changes to the Omron requirements: (1) Made the following changes regarding “Isopropylphenyl phosphate (PIP (3:1))” in Attachment 1 “List of Regulated Chemical Substances” (A1: Phase-out substances/applications): ・ Changed the management classification from A1 rank to A rank as the specified deadline for the phase-out was reached. ・ Moved the location of description to “A: Banned substances/applications” in concurrence with the above. (2) Added the following to comply with the regulation on chlorinated flame retardants under the U.S. state laws: ・ Listed TCEP, TCPP and TDCPP in Attachment 1 “List of Regulated Chemical Substances” (A1: Phase-out substances/applications). ・ Added the corresponding substance to Note 9 of Cautions in Attachment **1** “List of Regulated Chemical Substances” in concurrence with the above. 3.Made the following changes: (1)Updated the version of the Certificate of Non-inclusion and the Declaration for Phase-out (Ver. 4.6 -> 4.7). (2)Added an additional explanation on the packing materials for transport in relation to “3. Subject range for materials investigation.”
May 20, 2022	Ver4.8	1. Revised the following as a consequence of the revision of the chemSHERPA substance list (IEC 62474) (Ver. 2.05): Attachment 1. List of Regulated Chemical Substances (1) Added the following substances: • C9-C14 PFCAs and their salts • C9-C14 PFCA related substances (2) Deleted the following substances: • SG042 Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA (3) Added "Intentionally added" to the threshold for the following substances: • SG054 Perfluorooctanoic acid (PFOA) and its salts • SG055 PFOA related compounds (4) The following two substances which were confirmed in the SVHC were added to B: Content Management substances: • SG064 4-nonylphenol, (branched and linear) • CAS No. 119-47-1 2,2'-Methylenebis(4-methyl-6-tert-butylphenol)

		Attachment 2. Exempted Application List (1) Changed the applications for halogenated flame retardants • Added SG0058 Application code “HFR-8” (industrial displays) • In accordance with the above, deleted the description of EU2019/2021 (b) to (h), which are treated as B Rank in Attachment 1 (2) Changed the management classification in accordance with the expiration date for POPs exempted applications ・SG054 PFOA-1,PFOA-2: A1->A ・SG055 PFOA-1: A1->A Attachment 3. Illustrative List of Regulated Chemical Substances (1) SG064: Added 13 substance groups of 4-nonylphenol, (branched and linear) (2) SG042: Deleted 8 substance groups of PFOA 2. Changed the text of this Investigation Manual (1) Changed the text of 5.1.1 Management of chemical substances in parts and materials and the title of Table 1 to expressions suitable for the requirements (2) 5.2.1 Added a handling request due to the chemSHERPA tool specification change (entry of half-width alphanumeric characters) (3) Added information on the responsible person (department name and title) to the Certificate of Non-inclusion and Declaration for Phase-out 3. Made the following changes: Updated the version of the Certificate of Non-inclusion and the Declaration for Phase-out (Ver. 4.7 -> 4.8)
Nov 21, 2022	Ver4.9	1. Made the following changes to the Omron requirements. (1) The following 2 PFHxS substances (groups) under the POPs Convention have been added to the A1 rank. ・Perfluorohexane sulfonic acid (PFHxS) , their salts ・PFHxS related substances (2) Added MOAH and MOSH substances in the France Mineral Oil Regulation to the A and A1 ranks, and added their target coverage to the text of this Investigation Manual and notes on the substance list. 2. Revised the following as a consequence of the revision of the chemSHERPA substance list (IEC 62474) (Ver. 2.06): Attachment 1. List of Regulated Chemical Substances (1) Changed the management classification of the following substances as the specified deadline for the phase-out was reached. ・SG065 C9-C14 PFCAs, their salts：A1→A ・SG066 C9-C14 PFCA related substances：A1→A Since the above two substance groups are no longer OMRON's uniquely additional substances, they were also removed from Note 9. ・Tris(2-chloroethyl) phosphate（TCEP）：A1→A ・Tris(1-chloro-2-propyl)phosphate（TCPP）：A1→A ・Tris(1,3-dichloro-2-propyl)phosphate（TDCPP）：A1→A Attachment 2. Exempted Application List (1) Changed the following management classification in accordance with the expiration date for RoHS exemption applications. ・SG019・・・1(a),1(b),1(c),1(d),1(e),2(a)(1),2(a)(4),2(a)(5),4(a), 4(b)-I,4(b)-II,4(b)-III：A1→A (2) Added and revised the following application codes newly added to RoHS exemption applications. ・SG019・・・Added: 1(f)-I、2(b)(4)-II～III、4(a)-I、4(b)、4(f)-II～IV Revised: 1(f)→1(f)-II、2(b)(4)→2(b)(4)-I、4(f)→4(f)-I (3) Changed thresholds to align with revised RoHS exemption applications. ・SG019・・・2(b)(3)：15mg→10mg、1(e)：7mg→5mg In addition, PFCA-7 and PFCA-8 application codes have been removed to match chemSHERPA. Attachment 3. Illustrative List of Regulated Chemical Substances (1) Added the following substances/substance groups added to IEC62474RSL.

		・SG065 C9-C14 PFCAs, their salts 10 substances ・SG066 C9-C14 PFCA related substances 75 substances 3. Made the following changes: Updated the version of the Certificate of Non-inclusion and the Declaration for Phase-out (Ver. 4.8 -> 4.9)
Dec 12, 2022	Ver4.9	1. In A1:Phase-out substances/applications No2 PFHxS-related substances, the notation of thresholds were corrected due to an error. 2. In Attachment 3. Illustrative List of Regulated Chemical Substances, the following substance names and IEC62474 RSL ID were corrected due to errors. ・SG065 C9-C14 PFCAs and their salts ・SG066 C9-C14 PFCA-related substances

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Global Procurement, Quality and Logistics HQ.

Quality Audit Division.

Attachment 1. List of Regulated Chemical Substances

The cautions about "Note" used in the list are as follows.

Cautions :

Note 1 Content above the threshold shall be made in accordance with the content criteria. Refer to Section 5.1.2 for details.
In addition, the ID described in column of "Content criteria" is an ID defined in IEC 62474 DSL and is a 5-digit number used in compliance information of chemSHERPA.
The "IEC62474DSL" is list of "Declarable substance groups and declarable substances", which IEC62474 defined.
You can download from the following URL.
http://std.iec.ch/iec62474/iec62474.nsf

Note 2 Reporting level describes what the content rate is referred to (your products, homogeneous materials, parts etc.)(denominator for calculating the content rate). Refer to Section 5.1.2 for details.

Product, material and part in the List refers to the following.

Product = Your product, Material = Homogeneous material, Part = Component part, Articles = Refer to *2, Section 5.1.2.

Note 3 The substance which do not have CAS No. are listed SG No or SN No. of chemSHERPA.

Note 4 This substance / substance group have A1 rank application / threshold. Judge its content in substance / substance group listed in the table for “A1: Phase-out substances”.

Note 5 This substance / substance group have A rank application / threshold. Judge its content in substance / substance group listed in the table for “A : Banned substances”.

Note 6 This substance / substance group have exempted applications. Refer to Attachment 2.

Note 7 As the threshold is indicated by the content rate of the subject element, the content rate shall be calculated using the subject element's conversion factor shown in Illustrative List of Regulated Chemical Substances (Attachment 3) and its content judged.

Note 8 Although this standard is not included in "Compliance" in chemSHERPA , this is a standard in which OMRON added the applications originally, threshold and exempted applications based on laws and regulations originally.
（It is also applied to attachment 2.）

Note 9 Heavy metals (cadmium, hexavalent chromium, lead, mercury) in packaging materials, Polyvinyl chloride (PVC), Tris(2-chloroethyl)phosphate (TCEP), Tris(2-chloro-1-methylethyl) phosphate (TCPP), Tris(1,3-dichloro-2-propyl)phosphate (TDCPP), PFHxS and its salts, and PFHxS related substances, Mineral oil aromatic hydrocarbons comprising from 1 to 7 aromatic rings (MOAH), Mineral oil aromatic hydrocarbons comprising from 3 to 7 aromatic rings (MOAH), Hydrocarbons saturated with mineral oil containing 16 to 35 carbon atoms (MOSH) are substances that OMRON specifically self-added. Although these substances are not included in chemSHERPA's substance list for compliance, the content of these substances shall be judged.

Note 10 Absence

Note 11 "Prolonged skin contact is evident" means that the subject parts/materials come in contact with the skin and that OMRON product composing this subject parts/materials will fail the EN 1811 test.
Examples of products that may have prolonged skin contact are as follows :
Earrings, necklaces, bracelets, chains, anklets (ankle accessories), rings, watches (watch case, strap, buckle), rivets (buttons, fasteners, zippers), and other metal items to be attached to clothing.

Note 12 If a substance can be used in one of the categories in exempted applications under RoHS Directive, it will be described on Attachment 2 in order for OMRON to clearly indicate the management category. It will not be described on Attachment 2 if it cannot be used in all categories.

Note 13 The "IEC62474RSL ID" described in the Illustrative List of Regulated Chemical Substances is the ID defined in IEC62474RSL.
"IEC62474RSL" is a list of reference substances (Illustrative substances) defined in IEC62474.
You can download from the website of the following URL.
http://std.iec.ch/iec62474/iec62474.nsf

Note 14 If content of 0.1% or higher is reported in applications described in content judgment standard field (reportable applications) with ID:00023 or ID:00024, please also report as ID:00021 in order to clearly indicate the RoHS exemption.

Note 15 The following nine product types are subject to reporting. Report only when applicable.
[1] Cathode-ray tube equipment, [2] Cathode-ray tube, [3] Computer monitor with cathode-ray tube, [4] Cathode-ray tube television, [5] Laptop computer with liquid crystal display, [6] Desktop liquid crystal display, [7] Liquid crystal display screen television, [8] Portable DVD player with liquid crystal display screen, [9] Plasma television

Note 16 For definitions of packaging and packaging materials, please refer to *1 in Section 3 of the main text.

Note 17 Printed materials refers to the paper printed materials included with OMRON products. Specifically, instruction manuals, warranty cards, quick guides, caution sheets, etc. apply.

A:Banned substances/applications (51 substances)

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
1	SG001	Asbestos	A	00003	All	Intentionally added [ReportingLevel:Product]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII; [USA] Toxic Substances Control Act (TSCA); [Switzerland] Act of Reduction of Risks in Treatment of Specified Hazardous Substances, Preparations, and Articles in Switzerland (ChemRRV) Swiss Ordinance 814.81
2	SG002	Azocolourants and azodyes which form certain aromatic amines	A	00004	Textiles and Leather	0.003% by weight of the finished textile/leather product [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
3	SG006	Cadmium/Cadmium compounds	A Note 6	00010	All, except batteries	0.01 mass% of total Cd in homogenous material [ReportingLevel:Material] Note 7	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources; [EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			A Note 8	00011	(1) Alkali /Manganese / nickel metal hydride batteries excluding button batteries	0.001% by weight of battery （10ppm） [ReportingLevel:Product Part] Note 7	[Korea (the Republic of)] Quality Management and Manufactured Product Safety Management Law (Battery Regulation)
			B Note 8	00011	All batteries, except above (1)	0.001% by weight of battery （10ppm） [ReportingLevel:Product Part] Note 7	[Korea (the Republic of)] Quality Management and Manufactured Product Safety Management Law (Battery Regulation); [EU] Battery Directive 2006/66/EC
			A Note 8	00011	All batteries, except above (1)	0.002% by weight of battery （20ppm） [ReportingLevel:Product Part] Note 7	[EU] Battery Directive 2006/66/EC
			A	00166	Video display devices, with a screen size of greater than four inches Note 15	0.01 mass% of total Cd in homogenous material [ReportingLevel:Material] Note 7	[USA California] Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575
4	SG008	Chromium (VI) Compounds	A Note 6	00012	All	0.1 mass% of total Cr+6 in homogenous material [ReportingLevel:Material] Note 7	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
4	SG008	Chromium (VI) Compounds	A	00167	Video display devices, with a screen size of greater than four inches Note 15	0.1 mass% of total Cr+6 in homogenous material [ReportingLevel:Material] Note 7	[USA California] Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575
5	SG009	Dibutyltin (DBT) compounds	A	00014	All	0.1 mass% of tin in the part [ReportingLevel:Product Part] Note 7	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
6	SG010	Dioctyltin (DOT) compounds	A Note 6	00015	(a) textile and leather articles intended to come into contact with the skin, (b) childcare articles, (c) two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits)	0.1 mass% of tin in the part [ReportingLevel:Product Part] Note 7	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
7	SG013	Hexabromocyclododecane (HBCDD)	A	00020	All	Intentionally added or 0.01 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.; [EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004
8	SG014	Lead/Lead Compounds	A Note 6,14	00021	All, except batteries	0.1 mass% of total Pb in homogenous material [ReportingLevel:Material] Note 7	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources; [EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			A	00022	Consumer products designed or intended primarily for children 12 years of age or younger	0.01 mass% [ReportingLevel:Product] Note 7	[USA] Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314
			A Note 14	00023	Paint and similar surface coatings of toys and other articles intended for use by children	0.009 mass% of surface coating material [ReportingLevel:Material] Note 7	[USA] Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314
			A Note 14	00024	Cables/cords with thermoset or thermoplastic coatings	0.03 mass% of surface coating material [ReportingLevel:Material] Note 7	[USA California] Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
			A Note 8	00025	(1) Alkali batteries (except button batteries)	0.004 mass% of battery (40ppm) [ReportingLevel:Product Part] Note 7	[China] Limitation of mercury, cadmium and lead contents for alkaline and non-alkaline zinc manganese dioxide batteries GB 24427-2009

Attachment 1. List of Regulated Chemical Substances

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
8	SG014	Lead/Lead Compounds	A Note 8	00025	Alkali batteries (Button batteries） or Manganese batteries	0.1mass% of battery （1000ppm） [ReportingLevel:Product Part] Note 7	Brazil Conama401/08
			B Note 8	00025	All batteries, except above (1)	0.004 mass% of battery （40ppm） [ReportingLevel:Product Part] Note 7	[EU] Battery Directive 2006/66/EC
			A	00168	Video display devices, with a screen size of greater than four inches Note 15	0.1 mass% of total Pb in homogenous material [ReportingLevel:Material] Note 7	[USA California] Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575
9	SG019	Mercury/Mercury Compounds	A Note 6	00029	All, except batteries	Intentionally Added or 0.1 mass% of total Hg in homogenous material [ReportingLevel:Material] Note 7	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources; [EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII; [Canada] Products containing Mercury Regulations SOR/2014-254
			A	00030	Batteries	Intentionally added or 0.0001 mass% of battery [ReportingLevel:Product Part] Note 7	[EU] Battery Directive 2006/66/EC; [China] Limitation of mercury, cadmium and lead contents for alkaline and non-alkaline zinc manganese dioxide batteries GB 24427-2009; [Taiwan (Province of China)] Restrictions on the Manufacture, Import, and Sale of Dry Cell Batteries; [Korea (the Republic of)] Quality Management and Manufactured Product Safety Management Law (Battery Regulation); [USA New York] Environmental Conservation Law, Battery management and disposal § 27-0719
			A	00132	Batteries	0.0005 mass% of total Hg in homogenous material [ReportingLevel:Material] Note 7	[Canada] Products containing Mercury Regulations SOR/2014-254
			A	00169	Video display devices, with a screen size of greater than four inches Note 15	0.1 mass% of total Hg in homogenous material [ReportingLevel:Material] Note 7	[USA California] Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575

Attachment 1. List of Regulated Chemical Substances

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
10	SG021	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	A	00032	All	Intentionally Added [ReportingLevel:Product]	[EU] Regulation on substances that deplete the ozone layer (EC) No. 1005/2009; [Japan] Law concerning the Protection of the Ozone Layer through the Control of Specified Substances and Other Measures; [USA] Clean Air Act; (Treaty) Montreal Protocol on Substances that Deplete the Ozone Layer
11	SG023	Perfluorooctane sulfonates (PFOS)	A Note 6	00124	Textiles or other coated materials.	Intentionally added or 1 microgram/m2 of coated material [ReportingLevel:Material]	[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [Canada] Prohibition of Certain Toxic Substances Regulations SOR/2012-285 and its amendment; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
			A Note 6	00125	All except textiles or other coated materials.	Intentionally added or 0.1 mass% of the part (as the sum of PFOS) [ReportingLevel:Material]	[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [Canada] Prohibition of Certain Toxic Substances Regulations SOR/2012-285 and its amendment; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
12	SG024	Phthalates, Selected Group 1 (DEHP, DBP, BBP, DIBP)	A	00036	Children's toy or child care article	0.1 mass% as the sum of the phthalate concentrations in plasticized material [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII; [USA] Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314
			A Note 8	-	All products except for the following: - Toys and child care products, - Products to which RoHS Directive is applied, and - Products to which Medical Device Regulation (MDR) is applied - Articles without plasticized materials that come in contact with human oral mucous membrane or with skin for a long period whose use is limited to industrial	0.1 mass% as the sum of the phthalate concentrations in plasticized material [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
13	SG025	Phthalates, Selected Group 2 (DIDP, DINP, DNOP)	A	00037	Children's toy or child care article that can be placed in a child's mouth	0.1 mass% as the sum of the phthalate concentrations in plasticized material [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII; [USA] Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314

Attachment 1. List of Regulated Chemical Substances

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
14	SG026	Polybrominated biphenyls (PBB)	A	00044	All	0.1 mass% in homogenous material [ReportingLevel:Material]	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources
15	SG027	Polybrominated diphenyl ethers (PBDE)	A	00045	All	Intentionally added or 0.1 mass% in homogenous material [ReportingLevel:Material]	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
16	SG028	Polychlorinated Biphenyls (PCBs) and specific substitutes	A	00046	All	Intentionally added [ReportingLevel:Product]	[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [USA] Toxic Substances Control Act (TSCA); [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
17	SG029	Polychlorinated Terphenyls (PCTs)	A	00047	All	0.005 mass% in material [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
18	SG030	Polychlorinated naphthalenes	A	00048	All	Intentionally added [ReportingLevel:Product]	[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
19	SG031	Radioactive substances	A	00049	All	Intentionally added [ReportingLevel:Product]	[USA] Nuclear Regulatory Commission Regulations Title 10 CFR Part 20; [Japan] Law for the Regulation of Nuclear Source Material, Nuclear Fuel Material, and Reactors; [Japan] Law Concerning Prevention from Radiation Hazards due to Radio-Isotopes, etc.; [EU] Directive 2013/59/Euratom
20	SG034	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	A	00052	All	Intentionally added or 0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation; [EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [Norway] Regulations relating to restrictions on the manufacture, import, export, sale and use of chemicals and other products hazardous to health and the environment (Consumer Product Regulations) FOR-2004-06-01-922; [Switzerland] Act of Reduction of Risks in Treatment of Specified Hazardous Substances, Preparations, and Articles in Switzerland (ChemRRV) Swiss Ordinance 814.81

Attachment 1. List of Regulated Chemical Substances

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
21	SG035	Tri-substituted organostannic compounds	A	00055	All	Intentionally added or 0.1 mass% of tin in the part [ReportingLevel:Product Part] Note 7	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.; [Norway] Regulations relating to restrictions on the manufacture, import, export, sale and use of chemicals and other products hazardous to health and the environment (Consumer Product Regulations) FOR-2004-06-01-922
22	SG047	Nickel/Nickel Compounds	A Note 8	00031	All, where prolonged skin contact is expected（prolonged skin contact is evident）Note 11	Intentionally Added [ReportingLevel:Product]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			B Note 8	00031	All, where prolonged skin contact is expected （prolonged skin contact is unknown）	Intentionally Added [ReportingLevel:Product]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
23	SG054	Perfluorooctanoic acid and its salts	A Note 6	00160	All	Intentionally added or 0.0000025 mass% of PFOA including its salts in article or mixture [ReportingLevel:Article, Mixture]	[EU] Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021;[Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.; [Korea (the Republic of)] Persistent Organic Pollutants Control Act
24	SG055	PFOA-related substancescompounds	A Note 6	00161	All	Intentionally added or 0.0001 mass% of one or a combination of PFOA-related substancescompounds, in article or mixture [ReportingLevel:Article, Mixture]	[EU] Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021; [Korea (the Republic of)] Persistent Organic Pollutants Control Act
25	SG058	Halogenated flame retardants	A Note 6	00171	enclosure and stand of electronic displays, including televisions, monitors and digital signage displays with a screen area greater than 100 square centimetres	Intentionally added [ReportingLevel:Product]	[EU] Commission Regulation (EU) 2019/2021 laying down ecodesign requirements for electronic displays
26	SG065	C9-C14 PFCAs and their salts	A Note6	00182	All	0.0000025 mass% for the sum of C9-C14 PFCAs and their salts in Article or Mixture [ReportingLevel:Article, Mixture]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
27	SG066	C9-C14 PFCA-related substances	A Note6	00183	All	0.000026 mass% for the sum of C9-C14 PFCA-related substances in Article or Mixture [ReportingLevel:Article, Mixture]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
28	1163-19-5	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	A	00064	All	Intentionally added or 0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation; [USA] Toxic Substances Control Act (TSCA)

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
29	117-81-7	Bis (2-ethylhexyl)phthalate (DEHP)	A	00038	All	0.1 mass% in homogenous material [ReportingLevel:Material]	[EU] RoHS Directive 2011/65/EU and its amendments; [EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
30	192-97-2	Benzo[e]pyrene (BeP)	A	00109	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			A	00117	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
31	205-82-3	Benzo[j]fluoranthene (BjFA)	A	00113	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			A	00121	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
32	205-99-2	Benzo[b]fluoranthene (BbFA)	A	00112	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			A	00120	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
33	207-08-9	Benzo[k]fluoranthene (BkFA)	A	00114	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
33	207-08-9	Benzo[k]fluoranthene (BkFA)	A	00122	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			B	00156	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
34	218-01-9	Chrysen (CHR)	A	00111	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			A	00119	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			B	00144	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
35	3846-71-7	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	A	00035	All	Intentionally added or 0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
36	50-00-0	Formaldehyde	A	00019	Textiles	0.0075 mass % of textile [ReportingLevel:Material]	[Austria] BGB I 1990/194: Formaldehyde Restriction §2, 12/2/1990; [Lithuania] Hygiene Norm HN 96:2000 (Hygiene Norms and Regulations)
37	50-32-8	Benzo[a]pyrene (BaP)	A	00108	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			A	00116	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			B	00138	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
38	53-70-3	Dibenzo[a,h]anthracene (DBAhA)	A	00115	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			A	00123	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
39	56-35-9	Bis(tributyltin) oxide (TBTO)	A	00054	All	Intentionally added or 0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
40	56-55-3	Benzo[a]anthracene (BaA)	A	00110	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			A	00118	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			B	00145	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
41	624-49-7	Dimethylfumarate (DMF)	A	00016	All	0.00001 mass% of the part [ReportingLevel:Product Part]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
42	68937-41-7	Phenol, Isopropylated Phosphate (3:1) (PIP (3:1))	A Note 6	00174	All	Intentionally added [ReportingLevel:Product]	[USA] Toxic Substances Control Act (TSCA)
43	84-69-5	Diisobutyl phthalate(DIBP)	A	00041	All	0.1 mass% in homogenous material [ReportingLevel:Material]	[EU] RoHS Directive 2011/65/EU and its amendments; [EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
44	84-74-2	Dibutyl phthalate (DBP)	A	00039	All	0.1 mass% in homogenous material [ReportingLevel:Material]	[EU] RoHS Directive 2011/65/EU and its amendments; [EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
45	85-68-7	Benzyl butyl phthalate (BBP)	A	00040	All	0.1 mass% in homogenous material [ReportingLevel:Material]	[EU] RoHS Directive 2011/65/EU and its amendments; [EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation

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No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
46	SG006 SG008 SG014 SG019	Heavy metals in Packing materials (lead, cadmium, hexachromium, mercury)	A Note 9	-	Packing materials	Intentionally added or Exceeding 0.01% by weight of total weight(100ppm) of heavy metals per homogenous material（100ppm） [ReportingLevel:Material] Note 7	94/62/EC (Packaging Waste Directive) ・Law in specified US states, Toxics in Packaging
47	9002-86-2	Polyvinyl chloride (PVC) in Packing materials	A Note 9	-	Packing materials	Intentionally added [ReportingLevel:Material]	OMRON's self-regulation
48	115-96-8	Tris(2-chloroethyl) phosphate（TCEP）	A Note 9	-	All	0.1 mass% of article [ReportingLevel:Product]	[USA] U.S. Specific State Chlorine Flame Retardant Regulation
49	13674-84-5	Tris(1-chloro-2-propyl)phosphate（TCPP）	A Note 9	-	All	0.1 mass% of article [ReportingLevel:Product]	[USA] U.S. Specific State Chlorine Flame Retardant Regulation
50	13674-87-8	Tris(1,3-dichloro-2-propyl)phosphate（TDCPP）	A Note 9	-	All	0.1 mass% of article [ReportingLevel:Product]	[USA] U.S. Specific State Chlorine Flame Retardant Regulation
51	-	Mineral oil aromatic hydrocarbons comprising from 1 to 7 aromatic rings(MOAH)	A Note 9	-	Packaging materials used in consumer products Note 16	1~7 rings of MOAH total 1% by weight (10000ppm) of ink used in packaging [Reporting level: Material]	[France] Mineral Oil Regulations (Ministerial Ordinance dated April 13, 2022)

A1:Phase-out substances/applications (5 substances)

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations	Time of Total elimination
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)		
1	-	Perfluorohexane sulfonic acid (PFHxS), its salts	A1 Note 9	-	All	0.0000025 mass%(25ppb) of PFHxS including its salts [ReportingLevel:Article, Mixture]	POPs Convention ECHA/RAC/ RES-O-0000006739-59-01/F ECHA/SEAC/RES-O-0000006786-60-01/F	2023-07-01
2	-	PFHxS related substances	A1 Note 9	-	All	0.0001 mass%(1000ppb) for the sum of PFHxS-related substances [ReportingLevel:Article, Mixture]	POPs Convention ECHA/RAC/ RES-O-0000006739-59-01/F ECHA/SEAC/RES-O-0000006786-60-01/F	2023-07-01
3	-	Mineral oil aromatic hydrocarbons comprising from 1 to 7 aromatic rings(MOAH)	A1 Note 9	-	Packaging materials, paper printed materials Note 16, Note 17	Total MOAH of 1-7 rings 0.1% by weight (1000ppm) of ink used in packaging materials and paper printed materials [Reporting level: Material]	[France] Mineral Oil Regulations (Ministerial Ordinance dated April 13, 2022)	2024-07-01
4	-	Mineral oil aromatic hydrocarbons comprising from 3 to 7 aromatic rings(MOAH)	A1 Note 9	-	Packaging materials, paper printed materials Note 16, Note 17	Total MOAH of 3~7 rings is 0.0001% by weight (1ppm) of ink used in packaging materials and paper printed materials [Reporting Level: Material]	[France] Mineral Oil Regulations (Ministerial Ordinance dated April 13, 2022)	2024-07-01
5	-	Hydrocarbons saturated with mineral oil containing 16 to 35 carbon atoms(MOSH)	A1 Note 9	-	Packaging materials, paper printed materials Note 16, Note 17	Total MOSH of 16~35 rings is 0.1% by weight (1000ppm) of ink used in packaging materials and paper printed materials [Reporting Level: Material]	[France] Mineral Oil Regulations (Ministerial Ordinance dated April 13, 2022)	2024-07-01

B:Content Management substances(100 substances)

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
1	SG003	Boric acid	B	00007	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
2	SG011	Disodium tetraborates	B	00017	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
3	SG012	Fluorinated Greenhouse Gases (PFC, SF6, HFC)	B	00018	All	Intentionally Added [ReportingLevel:Product]	[EU] REGULATION (EU) No 517/2014 on fluorinated greenhouse gases
4	SG022	Perchlorates	B	00033	All	6 x 10 ^-7 mass% of battery or product part [ReportingLevel:Product Part]	[USA California] Perchlorate Contamination Prevention Act of 2003 AB 826
5	SG032	Aluminosilicate Refractory Ceramic Fibres	B	00050	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
6	SG033	Zirconia Aluminosilicate Refractory Ceramic Fibres	B	00051	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
7	SG039	Hexahydromethylphthalic anhydride	B	00092	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
8	SG040	4-Nonylphenol, branched and linear, ethoxylated	B	00098	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
9	SG041	Di-isodecyl phthalate (DIDP)	B Note 5	00090	All	Intentionally added [ReportingLevel:Product]	[USA California] Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
10	SG043	Diisononyl phthalate (DINP)	B Note 5	00107	All	Intentionally added [ReportingLevel:Product]	[USA California] Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
11	SG044	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	B	00131	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
12	SG045	Perfluorononan-1-oic-acid and its sodium and ammonium salts	B	00140	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
13	SG046	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	B	00142	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
14	SG048	Perfluorohexane-1-sulphonic acid and its salts	B Note 4	00143	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
15	SG051	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™)	B	00147	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
16	SG056	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	B	00162	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
17	SG057	Perfluorobutane sulfonic acid (PFBS) and its salts	B	00165	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
18	SG059	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	B Note 5	00173	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
19	SG060	Medium-chain chlorinated paraffins (MCCP)	B	00178	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
20	SG061	orthoboric acid, sodium salt	B	00179	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
21	SG062	Cobalt/Cobalt compounds	B	00175	batteries used in computer servers and online data storage products	Intentionally Added [ReportingLevel:Product Part]	[EU] Ecodesign requirements (EU) 2021/341 and (EU) 2019/424 pursuant to Directive 2009/125/EC
22	SG063	Neodymium/Neodymium compounds	B	00176	HDDs used in computer servers and online data storage products	Intentionally Added [ReportingLevel:Product Part]	[EU] Ecodesign requirements (EU) 2021/341 and (EU) 2019/424 pursuant to Directive 2009/125/EC
23	SG064	4-Nonylphenol, branched and linear	B	00180	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
24	10099-74-8	Lead dinitrate	B Note 5	00089	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
25	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	B	00068	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
26	11103-86-9	Potassium hydroxyoctaoxodizincatedichromate	B Note 5	00061	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
27	111-96-6	Bis(2-methoxyethyl) ether	B	00058	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
28	1120-71-4	1,3-propanesultone	B	00133	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
29	112-49-2	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	B	00066	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
30	115-96-8	Tris(2-chloroethyl) phosphate	B Note 5	00056	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
31	117-82-8	Bis(2-methoxyethyl) phthalate	B	00059	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
32	119-47-1	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	B	00181	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
33	12008-41-2	Disodium octaborate	B	00152	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
34	12036-76-9	Lead oxide sulfate	B Note 5	00085	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
35	12060-00-3	Lead titanium trioxide	B Note 5	00083	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
36	12065-90-6	Pentalead tetraoxide sulphate	B Note 5	00073	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
37	12141-20-7	Trilead dioxide phosphonate	B Note 5	00067	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
38	12202-17-4	Tetralead trioxide sulphate	B Note 5	00070	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
39	12267-73-1	Tetraboron disodium heptaoxide, hydrate	B	00163	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
40	12578-12-0	Dioxobis(stearato)trilead	B Note 5	00087	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
41	12626-81-2	Lead titanium zirconium oxide	B Note 5	00084	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
42	12656-85-8	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	B Note 5	00027	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
43	129-00-0	Pyrene	B	00159	ALL	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
44	1303-28-2	Diarsenic pentoxide	B	00001	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
45	1303-86-2	Diboron trioxide	B	00075	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
46	1306-19-0	Cadmium oxide	B Note 5	00094	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
47	1306-23-6	Cadmium sulphide	B Note 5	00099	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
48	131-18-0	Dipentyl phthalate (DPP)	B	00095	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
49	1314-41-6	Orange lead (lead tetroxide)	B Note 5	00071	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
50	1327-53-3	Diarsenic trioxide	B	00002	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
51	1344-37-2	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	B Note 5	00028	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
52	140-66-9	4-(1,1,3,3-tetramethylbutyl)phenol	B	00057	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
53	143-24-8	Bis(2-(2-methoxyethoxy)ethyl)ether	B	00172	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
54	15571-58-1	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	B Note 5	00128	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
55	191-24-2	Benzo[ghi]perylene	B	00148	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
56	1937-37-7	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	B	00126	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
57	206-44-0	Fluoranthene	B	00157	ALL	0.1 mass% of article [ReportingLevel:Article]	0.1 mass% of article [ReportingLevel:Article]
58	20837-86-9	Lead cyanamidate	B Note 5	00077	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
59	21041-95-2	Cadmium hydroxide	B Note 5	00146	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
60	22673-19-4	Dibutylbis(pentane-2,4-dionato-O,O')tin	B Note 5	00170	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
61	25155-23-1	Trixylyl phosphate	B	00100	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
62	25973-55-1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	B	00130	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
63	36437-37-3	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	B	00135	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
64	3825-26-1	Ammonium pentadecafluorooctanoate (APFO)	B Note 5	00097	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
65	3864-99-1	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	B	00134	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
66	49663-84-5	Pentazinc chromate octahydroxide	B Note 5	00060	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
67	540-97-6	Dodecamethylcyclohexasiloxane	B	00151	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
68	541-02-6	Decamethylcyclopentasiloxane	B	00150	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
69	556-67-2	Octamethylcyclotetrasiloxane	B	00149	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
70	573-58-0	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	B	00102	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
71	60-09-3	4-Aminoazobenzene	B	00069	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
72	605-50-5	Diisopentyl phthalate	B	00081	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
73	61788-32-7	Terphenyl, hydrogenated	B	00153	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
74	62229-08-7	Sulfurous acid, lead salt, dibasic	B Note 5	00065	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
75	629-14-1	1,2-Diethoxyethane	B	00074	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
76	6807-17-6	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	B	00155	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
77	68-12-2	N,N-dimethylformamide	B	00078	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
78	683-18-1	Dibutyltin dichloride (DBTC)	B Note 5	00076	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
79	68515-42-4	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	B	00043	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
80	68515-50-4	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	B	00106	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
81	68784-75-8	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped	B Note 5	00079	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
82	69011-06-9	[Phthalato(2-)]dioxotrilead	B Note 5	00086	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
83	71850-09-4	Diisohexyl phthalate	B	00164	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
84	71888-89-6	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	B	00042	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
85	7439-92-1	Lead	B Note 5	00154	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
86	7440-43-9	Cadmium	B Note 5	00093	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
87	7646-79-9	Cobalt Dichloride	B	00013	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
88	77-40-7	4,4'-(1-methylpropylidene)bisphenol	B	00177	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
89	7758-97-6	Lead chromate	B Note 5	00026	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
90	776297-69-9	N-pentyl-isopentylphthalate	B	00082	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
91	7789-06-2	Strontium chromate	B Note 5	00053	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
92	80-05-7	4,4'-isopropylidenediphenol	B	00141	All	Intentionally added or 0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation; [USA California] Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
93	8012-00-8	Pyrochlore, antimony lead yellow	B Note 5	00072	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
94	84-61-7	Dicyclohexyl phthalate	B	00139	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
95	84-75-3	Di-n-hexyl Phthalate (DnHP)	B	00091	All	Intentionally added or 0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation; [USA California] Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
96	84777-06-0	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	B	00080	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
97	85-01-8	Phenanthrene	B	00158	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
98	91031-62-8	Fatty acids, C16-18, lead salts	B Note 5	00088	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
99	96-45-7	Imidazolidine-2-thione (2-imidazoline-2-thiol)	B	00105	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
100	SN0084	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	B Note 5	00129	All	0.1 mass% of article [ReportingLevel:Article]	[EU] REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation

C:Voluntary control substances(3 substances)

No	CAS No/ Substance group ID Note 3	Substance/Substance group	Management Classification	ID	Content criteria Note 1		Referenced laws & regulations
					Applications (Reportable Applications)	Threshold (Reporting threshold / Reporting Level Note 2)	
1	SG004	Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)	C Note 5	00008	Printed wiring board laminate	0.09 mass% total bromine content in laminate [ReportingLevel:Material] Note 7	(Standard) IEC 61249-2-21; (Standard) IPC-4101
			C Note 5	00009	Plastic materials except printed wiring board laminates	0.1 mass% of bromine in plastic materials [ReportingLevel:Material] Note 7	(Standard) JEDEC JS709
2	SG036	Chlorinated Flame Retardants (CFR)	C Note 5	00062	Plastic materials except printed wiring board laminates	0.1 mass% chlorine in plastic materials [ReportingLevel:Material] Note 7	(Standard) JEDEC JS709
			C Note 5	00063	Printed Wiring Board (PWB) Laminates	0.09 mass% total chlorine content in laminate [ReportingLevel:Material] Note 7	(Standard) IEC 61249-2-21; (Standard) IPC-4101
3	1304-56-9	Beryllium Oxide	C	00005	All	0.1 mass% [ReportingLevel:Product]	(Guidance) EICTA, CECED and EERA Joint Position : Guidance on implementing article 11 of Directive 2002/96(EC) concerning information for treatment facilities

Attachment 2. Exempted Application List

The cautions about "Note" used in the list are as follows.

Cautions :

Note 1 “Industrial displays” are electronic displays designed only for use in industrial environments, and at a minimum must satisfy all the following (a) to (d).
(a) Operation must be possible at 0 to 50°C, (b) there must be no condensation at 20 to 90% humidity, (c) at least IP65 must be satisfied, and (d) must satisfy EMC immunity in an industrial environment

CAS No/ Substance group ID	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Management Classification	Usage code		Description	Time of Total elimination
					Laws & regulations	Code		
SG006	Cadmium/Cadmium compounds	00010	All, except batteries	A	RoHS	8(b)	Cadmium and its compounds in electrical contacts Method of operation: Whether the substance applies to 8 (b)-I shall be confirmed. If applicable, the applicable exempted application shall be selected instead of the main application.	-
				B	RoHS	8(b)-I	Cadmium and its compounds in electrical contacts used in:—circuit breakers,—thermal sensing controls,—thermal motor protectors (excluding hermetic thermal motor protectors),—AC switches rated at: —6 A and more at 250 V AC and more, or —12 A and more at 125 V AC and more,—DC switches rated at 20 A and more at 18 V DC and more, and—switches for use at voltage supply frequency ≥ 200 Hz.	-
				A	RoHS	13(b)	Cadmium and lead in filter glasses and glasses used for reflectance standards Method of operation: Whether the substance applies to 13 (b)-II or III shall be confirmed. If applicable, the applicable exempted application shall be selected instead of the main application.	-
				B	RoHS	13(b)-(II)	Cadmium in striking optical filter glass types; excluding applications falling under point 39 of this Annex	-
				B	RoHS	13(b)-(III)	Cadmium and lead in glazes used for reflectance standards	-
				A	RoHS	21	Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses	-
				A	RoHS	30	Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) and more	-
				A	RoHS	38	Cadmium and cadmium oxide in thick film pastes used on aluminium bonded beryllium oxide	-

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CAS No/ Substance group ID	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Management Classification	Usage code		Description	Time of Total elimination
					Laws & regulations	Code		
SG006	Cadmium/Cadmium compounds	00010	All, except batteries	A	RoHS	39(a)	Cadmium selenide in downshifting cadmium-based semiconductor nanocrystal quantum dots for use in display lighting applications (< 0,2 µg Cd per mm 2 of display screen area)	-
SG008	Chromium (VI) Compounds	00012	All	A	RoHS	9	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	-
SG010	Dioctyltin (DOT) compounds	00015	(a) textile and leather articles intended to come into contact with the skin, (b) childcare articles, (c) two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits)	B	REACH Annex XVII	DOT-1	Any articles other than the following articles- textile articles intended to come into contact with the skin,- gloves,- footwear or part of footwear intended to come into contact with the skin,- walls and floor coverings,- childcare articles,- female hygiene products,- nappies,- two-component room temperature vulcanization molding kits (RTV-2 molding kits)	-
SG014	Lead/Lead Compounds	00021	All, except batteries	A	RoHS	5(a)	Lead in glass of cathode ray tubes	-
				A	RoHS	5(b)	Lead in glass of fluorescent tubes not exceeding 0.2% by weight	-
				A	RoHS	6(a)	Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0.35 % lead by weight Method of operation: Whether the substance applies to 6(a)-I shall be confirmed. If applicable, the applicable exempted application shall be selected 6(a)-I instead of the this application.	-
				B	RoHS	6(a)-I	Lead as an alloying element in steel for machining purposes containing up to 0.35% lead by weight and in batch hot dip galvanised steel components containing up to 0.2% lead by weight	-
				A	RoHS	6(b)	Lead as an alloying element in aluminium containing up to 0,4 % lead by weight Method of operation: Whether the substance applies to 6 (b)-I or II shall be confirmed. If applicable, the applicable exempted application shall be selected instead of the main application.	-
				B	RoHS	6(b)-I	Lead as an alloying element in aluminium containing up to 0,4 % lead by weight, provided it stems from lead-bearing aluminium scrap recycling	-
				B	RoHS	6(b)-II	Lead as an alloying element in aluminium for machining purposes with a lead content up to 0,4 % by weight	-
				B	RoHS	6(c)	Copper alloy containing up to 4 % lead by weight	-
				B	RoHS	7(a)	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)	-

CAS No/ Substance group ID	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Management Classification	Usage code		Description	Time of Total elimination
					Laws & regulations	Code		
SG014	Lead/Lead Compounds	00021	All, except batteries	A	RoHS	7(b)	Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission, and network management for telecommunications	-
				B	RoHS	7(c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound	-
				B	RoHS	7(c)-II	Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher	-
				A	RoHS	7(c)-IV	Lead in PZT based dielectric ceramic materials for capacitors which are part of integrated circuits or discrete semiconductors	-
				A	RoHS	9(b)	Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration (HVACR) applications	-
				B	RoHS	13(a)	Lead in white glasses used for optical applications	-
				A	RoHS	13(b)	Cadmium and lead in filter glasses and glasses used for reflectance standards Method of operation: Whether the substance applies to 13 (b)-I or III shall be confirmed. If applicable, the applicable exempted application shall be selected instead of the main application.	-
				B	RoHS	13(b)-(I)	Lead in ion coloured optical filter glass types	-
				B	RoHS	13(b)-(III)	Cadmium and lead in glazes used for reflectance standards	-
				A	RoHS	15	Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages Method of operation: Whether the substance applies to 15(a) shall be confirmed. If applicable, the applicable exempted application shall be selected instead of the main application.	-
				B	RoHS	15(a)	Lead in solders to complete a viable electrical connection between the semiconductor die and carrier within integrated circuit flip chip packages where at least one of the following criteria applies: — a semiconductor technology node of 90 nm or larger; — a single die of 300 mm2 or larger in any semiconductor technology node; — stacked die packages with die of 300 mm2 or larger, or silicon interposers of 300 mm2 or larger.	-

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CAS No/ Substance group ID	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Management Classification	Usage code		Description	Time of Total elimination
					Laws & regulations	Code		
SG014	Lead/Lead Compounds	00021	All, except batteries	A	RoHS	17	Lead halide as radiant agent in high intensity discharge (HID) lamps used for professional reprography applications	-
				B	RoHS	18(b)	Lead as activator in the fluorescent powder (1% lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP (BaSi2O5:Pb)	-
				A	RoHS	18(b)-I	Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps containing phosphors such as BSP (BaSi2O5:Pb) when used in medical phototherapy equipment	-
				A	RoHS	21	Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses	-
				A	RoHS	21(c)	Lead in printing inks for the application of enamels on other than borosilicate glasses	-
				A	RoHS	24	Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors	-
				A	RoHS	25	Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, notably in the seal frit and frit ring	-
				A	RoHS	29	Lead bound in crystal glass as defined in Annex I (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC (*1)(*1) Council Directive 69/493/EEC of 15 December 1969 on the approximation of the laws of the Member States relating to crystal glass (OJ L 326, 29.12.1969, p. 36).	-
				A	RoHS	31	Lead in soldering materials in mercury free flat fluorescent lamps (which e.g. are used for liquid crystal displays, design or industrial lighting)	-
				B	RoHS	32	Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes	-
				A	RoHS	33	Lead in solders for the soldering of thin copper wires of 100 µm diameter and less in power transformers	-
				B	RoHS	34	Lead in cermet-based trimmer potentiometer elements	-
				A	RoHS	37	Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body	-

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CAS No/ Substance group ID	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Management Classification	Usage code		Description	Time of Total elimination
					Laws & regulations	Code		
SG014	Lead/Lead Compounds	00021	All, except batteries	A	RoHS	41	Lead in solders and termination finishes of electrical and electronic components and finishes of printed circuit boards used in ignition modules and other electrical and electronic engine control systems, which for technical reasons must be mounted directly on or in the crankcase or cylinder of hand-held combustion engines (classes SH:1, SH:2, SH:3 of Directive 97/68/EC of the European Parliament and of the Council (1)	-
				A	RoHS	42	Lead in bearings and bushes of diesel or gaseous fuel powered internal combustion engines applied in non-road professional use equipment:—with engine total displacement ≥ 15 litres;or—with engine total displacement < 15 litres and the engine is designed to operate in applications where the time between signal to start and full load is required to be less than 10 seconds; or regular maintenance is typically performed in a harsh and dirty outdoor environment, such as mining, construction, and agriculture applications.	-
SG019	Mercury/Mercury Compounds	00029	All, except batteries	A	RoHS	1(a)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):For general lighting purposes < 30 W: 2.5 mg	2022-08-25
				A	RoHS	1(b)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):For general lighting purposes ≥ 30 W and < 50 W; 3.5 mg	2022-08-25
				A	RoHS	1(c)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):For general lighting purposes ≥ 50 W and < 150 W; 5 mg	2022-08-25
				A	RoHS	1(d)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):For general lighting purposes ≥ 150 W; 15 mg	2022-08-25
				A	RoHS	1(e)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):For general lighting purposes with circular or square structural shape and tube diameter ≤ 17 mm: 5mg	2022-08-25
				B	RoHS	1(f)-I	Light bulb and compact (small) fluorescent lamps designed primarily to emit light in the ultraviolet spectrum, with a mercury content not exceeding 5 mg per burner	-
				B	RoHS	1(f)-II	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):For special purposes: 5 mg	-

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CAS No/ Substance group ID	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Management Classification	Usage code		Description	Time of Total elimination
					Laws & regulations	Code		
SG019	Mercury/Mercury Compounds	00029	All, except batteries	A1	RoHS	1(g)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):For general lighting purposes < 30 W with a lifetime equal or above 20,000 h: 3.5 mg	2023-02-25
				A	RoHS	2(a)(1)	Mercury in double-capped linear fluorescent lamps for generation lighting purposes not exceeding (per lamp):Tri-band phosphor with normal lifetime and a tube diameter < 9 mm (e.g. T2): 4mg	2022-08-25
				A1	RoHS	2(a)(2)	Mercury in double-capped linear fluorescent lamps for generation lighting purposes not exceeding (per lamp):Tri-band phosphor with normal lifetime and a tube diameter ≥ 9 mm and ≤ 17 mm (e.g. T5): 3mg	2023-02-25
				A1	RoHS	2(a)(3)	Mercury in double-capped linear fluorescent lamps for generation lighting purposes not exceeding (per lamp):Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and ≤ 28 mm (e.g. T8): 3.5mg	2023-02-25
				A	RoHS	2(a)(4)	Mercury in double-capped linear fluorescent lamps for generation lighting purposes not exceeding (per lamp):Tri-band phosphor with normal lifetime and a tube diameter > 28 mm (e.g. T12): 3.5 mg	2022-08-25
				A	RoHS	2(a)(5)	Mercury in double-capped linear fluorescent lamps for generation lighting purposes not exceeding (per lamp):Tri-band phosphor with long lifetime (≥ to 25,000 h): 5 mg	2022-08-25
				B	RoHS	2(b)(3)	Mercury in other fluorescent lamps not exceeding (per lamp):Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9): 10 mg	-
				A	RoHS	2(b)(4)-I	Mercury in other fluorescent lamps not exceeding (per lamp):Lamps for other general lighting and special purposes (e.g. induction lamps): 15 mg	-
				A	RoHS	2(b)(4)-II	Mercury in other fluorescent lamps not exceeding (per lamp): Lamps emitting mainly light in the ultraviolet spectrum: 15 mg	-
				A	RoHS	2(b)(4)-III	Mercury in other fluorescent lamps not exceeding (per lamp): Emergency lamps: 15 mg	-
				A	RoHS	3(a)	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp): Short length (≤ 500 mm)	-
				A	RoHS	3(b)	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp): Medium length (> 500 mm and ≤ 1,500 mm)	-

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CAS No/ Substance group ID	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Management Classification	Usage code		Description	Time of Total elimination
					Laws & regulations	Code		
SG019	Mercury/Mercury Compounds	00029	All, except batteries	A	RoHS	3(c)	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp): Long length (> 1,500 mm)	-
				A	RoHS	4(a)	Mercury in other low pressure discharge lamps (per lamp)	2022-08-25
				B	RoHS	4(a)-I	Low-pressure non-phosphor coated discharge lamps for applications where the primary range of lamp spectral output is ultraviolet, with a mercury content not exceeding 15 mg per lamp	-
				B	RoHS	4(b)	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 80: P ≤ 105 W: 16 mg may be used per burner	-
				A	RoHS	4(b)-I	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60: P ≤ 155 W: 30 mg may be used per burner	2022-08-25
				A	RoHS	4(b)-II	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60: 155 W < P ≤ 405 W: 40 mg may be used per burner	2022-08-25
				A	RoHS	4(b)-III	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60: P > 405 W: 40 mg may be used per burner	2022-08-25
				B	RoHS	4(c)-I	P (lamp power) ≦155W/other high-pressure sodium (steam) lamps for general lighting with mercury content not exceeding 20mg	-
				B	RoHS	4(c)-II	155W <P (lamp power) ≦ 405W / Other high-pressure sodium (steam) lamp for general lighting with mercury content not exceeding 25mg	-
				B	RoHS	4(c)-III	P (lamp power) > 405W / other high-pressure sodium (steam) lamps for general lighting with mercury content not exceeding 25mg	-
				A	RoHS	4(e)	Mercury in metal halide lamps (MH)	-
				B	RoHS	4(f)-I	Mercury in other discharge lamps for special purposes not specially mentioned in this Annex	-
				B	RoHS	4(f)-II	Mercury in high pressure mercury vapour lamps used in projectors where an output ≥ 2000 lumen ANSI is required	-

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CAS No/ Substance group ID	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Management Classification	Usage code		Description	Time of Total elimination
					Laws & regulations	Code		
SG019	Mercury/Mercury Compounds	00029	All, except batteries	B	RoHS	4(f)-III	Mercury in high-pressure sodium vapor lamps used for horticultural lighting	-
				B	RoHS	4(f)-IV	Mercury in lamps emitting light in the ultraviolet spectrum	-
SG023	Perfluorooctane sulfonates (PFOS)	00124	Textiles or other coated materials.	B	POPs	PFOS-3	Any mist suppressants for non-decorative hard chromium (VI) plating	-
				B	POPs	PFOS-98	Any mixtures in concentrations less than 10 mg/kg (0.001% by weight),or where the concentration of PFOS is less than 0.1% by weight calculated with reference to the mass of structurally or microstructurally distinct parts that contain PFOS, any textiles or other coated materials,or where the amount of PFOS is less than 1μg/m2 of the coated material	-
		00125	All except textiles or other coated materials.	B	POPs	PFOS-3	Any mist suppressants for non-decorative hard chromium (VI) plating	-
				B	POPs	PFOS-98	Any mixtures in concentrations less than 10 mg/kg (0.001% by weight),or where the concentration of PFOS is less than 0.1% by weight calculated with reference to the mass of structurally or microstructurally distinct parts that contain PFOS, any textiles or other coated materials,or where the amount of PFOS is less than 1μg/m2 of the coated material	-
SG054	Perfluorooctanoic acid and its salts	00160	All	A	POPs	PFOA-1	Concentrations of PFOA-related compounds equal to or below 20 mg/kg (0,002 % by weight) where they are present in a substance to be used as a transported isolated intermediate within the meaning of Article 3 point 15 (c) of Regulation (EC) No 1907/2006 and fulfilling the strictly controlled conditions set out in Article 18(4)(a) to (f) of that Regulation for the production of fluorochemicals with a perfluoro carbon chain equal to or shorter than 6 atoms.	-
				A	POPs	PFOA-2	Industrial and commercial mixtures and moldings containing polytetrafluoroethylene (PTFE) micropowders produced by ionizing radiation or by pyrolysis, and PTFE micropowders at concentrations of PFOA and its salts not more than 1 mg/kg (0.0001 wt%)	-
				A1	POPs	PFOA-3	Photolithography or etch processes in semiconductor manufacturing	2025-01-04
				A1	POPs	PFOA-4	Photographic coatings applied to films	2025-01-04
				A1	POPs	PFOA-5	Textiles for oil- and water-repellency for the protection of workers from dangerous liquids that comprise risks to their health and safety	2023-01-04
				A1	POPs	PFOA-6	Invasive and implantable medical devices	2025-01-04

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CAS No/ Substance group ID	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Management Classification	Usage code		Description	Time of Total elimination
					Laws & regulations	Code		
SG054	Perfluorooctanoic acid and its salts	00160	All	A1	POPs	PFOA-7	Manufacture of polytetrafluoroethylene (PTFE) and polyvinylidene fluoride (PVDF) for the production of: (i) high-performance, corrosion-resistant gas filter membranes, water filter membranes and membranes for medical textiles, (ii) industrial waste heat exchanger equipment, (iii) industrial sealants capable of preventing leakage of volatile organic compounds and PM2.5 particulates.	2023-01-04
				A1	POPs	PFOA-8	Perfluooroctyl bromide containing perfluoroctyl iodide for the purpose of producing pharmaceutical products.	2026-06-30
				A	POPs	PFOA-9	Medical devices other than implantable ones, within the scope of Regulation (EU) 2017/745	-
				A	POPs	PFOA-10	Latex printing inks	-
				A	POPs	PFOA-11	Plasma nano-coatings	-
				B	POPs	PFOA-12	concentrations of PFOA and its salts and/or PFOA-related compounds equal to or below 2 mg/kg (0,0002 % by weight) where they are present in medical devices other than invasive devices and implantable devices	-
				B	POPs	PFOA-98	Concentrations of PFOA or any of its salts equal to or below 0,025 mg/kg (0,0000025 % by weight) where they are present in substances, mixtures or articles. Or concentrations of any individual PFOA-related compound or a combination of PFOA-related compounds equal to or below 1 mg/kg (0,0001 % by weight) where they are present in substances, mixtures or articles.	-
SG055	PFOA-related compounds	00161	All	A	POPs	PFOA-1	Concentrations of PFOA-related compounds equal to or below 20 mg/kg (0,002 % by weight) where they are present in a substance to be used as a transported isolated intermediate within the meaning of Article 3 point 15 (c) of Regulation (EC) No 1907/2006 and fulfilling the strictly controlled conditions set out in Article 18(4)(a) to (f) of that Regulation for the production of fluorochemicals with a perfluoro carbon chain equal to or shorter than 6 atoms.	—
				A1	POPs	PFOA-3	Photolithography or etch processes in semiconductor manufacturing	2025-01-04
				A1	POPs	PFOA-4	Photographic coatings applied to films	2025-01-04
				A1	POPs	PFOA-5	Textiles for oil- and water-repellency for the protection of workers from dangerous liquids that comprise risks to their health and safety	2023-01-04
				A1	POPs	PFOA-6	Invasive and implantable medical devices	2025-01-04

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CAS No/ Substance group ID	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Management Classification	Usage code		Description	Time of Total elimination
					Laws & regulations	Code		
SG055	PFOA-related compounds	00161	All	A1	POPs	PFOA-7	Manufacture of polytetrafluoroethylene (PTFE) and polyvinylidene fluoride (PVDF) for the production of: (i) high-performance, corrosion-resistant gas filter membranes, water filter membranes and membranes for medical textiles, (ii) industrial waste heat exchanger equipment, (iii) industrial sealants capable of preventing leakage of volatile organic compounds and PM2.5 particulates.	2023-01-04
				A1	POPs	PFOA-8	Perfluooroctyl bromide containing perfluoroctyl iodide for the purpose of producing pharmaceutical products.	2026-06-30
				A	POPs	PFOA-9	Medical devices other than implantable ones, within the scope of Regulation (EU) 2017/745	-
				A	POPs	PFOA-10	Latex printing inks	-
				A	POPs	PFOA-11	Plasma nano-coatings	-
				B	POPs	PFOA-12	concentrations of PFOA and its salts and/or PFOA-related compounds equal to or below 2 mg/kg (0,0002 % by weight) where they are present in medical devices other than invasive devices and implantable devices	-
				B	POPs	PFOA-98	Concentrations of PFOA or any of its salts equal to or below 0,025 mg/kg (0,0000025 % by weight) where they are present in substances, mixtures or articles. Or concentrations of any individual PFOA-related compound or a combination of PFOA-related compounds equal to or below 1 mg/kg (0,0001 % by weight) where they are present in substances, mixtures or articles.	-
SG058	Halogenated flame retardants	00171	enclosure and stand of electronic displays, including televisions, monitors and digital signage displays with a screen area greater than 100 square centimetres	B	ErP	HFR-2	Projectors	-
				B	ErP	HFR-3	All-in-one video conference systems	-
				B	ErP	HFR-4	Medical displays	-
				B	ErP	HFR-5	Virtual reality headsets	-
				B	ErP	HFR-6	Displays integrated or to be integrated into products listed into Article 2, point 3(a) and point 4 of Directive 2012/19/EU	-
				B	ErP	HFR-7	Displays that are components or subassemblies of products covered by implementing measures adopted under Directive 2009/125/EC	-
				B	ErP	HFR-8	Industrial displays Note 1	-

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CAS No/ Substance group ID	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Management Classification	Usage code		Description	Time of Total elimination
					Laws & regulations	Code		
1163-19-5	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	00064	All	A	DecaBDE	DecaBDE-1	Curtains in the hospitality industry	-
				A	DecaBDE	DecaBDE-2	Wire and cable insulation in nuclear power generation facilities	-
				A	DecaBDE	DecaBDE-3	Parts installed in and distributed as part of new aerospace vehicles	-
				A	DecaBDE	DecaBDE-4	Replacement parts for motor vehicles	-
				A	DecaBDE	DecaBDE-5	Plastic shipping pallets manufactured prior March 8, 2021.	-
				A	DecaBDE	DecaBDE-6	For recycling of decaBDE-containing plastic from products or articles and decaBDE-containing products or articles made from such recycled plastic	-
68937-41-7	Phenol, Isopropylated Phosphate (3:1) (PIP (3:1))	00174	All	A	PIP	PIP-1	Photographic printing articles	-
				A1	PIP	PIP-2	Adhesives and sealants	2024-07-07
				B	PIP	PIP-3	Hydraulic fluids either for the aviation industry or military specifications for safety and performance where no alternative chemical	-
				B	PIP	PIP-4	Lubricants and greases	-
				B	PIP	PIP-5	New and replacement parts for motor and aerospace vehicles	-
				B	PIP	PIP-6	Intermediate in a closed system to produce cyanoacrylate adhesives	-
				B	PIP	PIP-7	Specialized engine air filters for locomotive and marine applications	-
				B	PIP	PIP-8	Plastic recycled from PIP (3:1)-containing plastic, where no new PIP (3:1) is added during the recycling process	-
				B	PIP	PIP-9	Products or articles made from recycled PIP (3:1)-containing plastic, where no new PIP (3:1) was added during the production of the products or articles made of recycled plastic.	-
SG065	C9-C14 PFCAs and their salts	00182	All	B	REACH Annex XVII	PFCA-1	C9-C14 PFCAs, their salts and C9-C14 PFCA related substances, where they are present in a substance to be used as a transported isolated intermediate, provided that the conditions are met for the manufacturing of fluorochemicals with a perfluoro carbon chain length equal to or shorter than 6 atoms.	-

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CAS No/ Substance group ID	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Management Classification	Usage code		Description	Time of Total elimination
					Laws & regulations	Code		
SG065	C9-C14 PFCAs and their salts	00182	All	A1	REACH Annex XVII	PFCA-2	(i) Textiles for oil- and water-repellency for the protection of workers from dangerous liquids that comprise risks to their health and safety; (ii) the manufacture of polytetrafluoroethylene (PTFE) and polyvinylidene fluoride (PVDF) for the production of: - high performance, corrosion resistant gas filter membranes, water filter membranes and membranes for medical textiles; - industrial waste heat exchanger equipment; - industrial sealants capable of preventing leakage of volatile organic compounds and PM 2,5 particulates	2023-01-04
				A1	REACH Annex XVII	PFCA-3	(i) photolithography or etch processes in semiconductor manufacturing (ii) photographic coatings applied to films (iii) invasive and implantable medical devices	2025-01-05
				A1	REACH Annex XVII	PFCA-4	The can coating for pressurised metered-dose inhalers	2028-02-26
				A1	REACH Annex XVII	PFCA-5	(a) semiconductors on their own; (b) semiconductors incorporated in semi-finished and finished electronic equipment	2023-06-30
				A1	REACH Annex XVII	PFCA-6	Semiconductors used in spare or replacement parts for finished electronic equipment placed on the market before 31 December 2023.	2030-06-30
				B	REACH Annex XVII	PFCA-7	C9-C14 PFCAs in fluoroplastics and fluoroelastomers that contain perfluoroalkoxy groups.	-
				B	REACH Annex XVII	PFCA-8	Commercial mixtures and moldings containing polytetrafluoroethylene (PTFE) micropowders produced by ionizing radiation or by pyrolysis at concentrations of C9-C14 PFCAs ≤1000 ppb of PFCAs	-
				B	REACH Annex XVII	PFCA-98	the sum of C9-C14 PFCAs and their salts or 260 ppb for the sum of C9-C14 PFCA-related substances.	-
SG066	C9-C14 PFCA related substances	00183	All	B	REACH Annex XVII	PFCA-1	C9-C14 PFCAs, their salts and C9-C14 PFCA related substances, where they are present in a substance to be used as a transported isolated intermediate, provided that the conditions are met for the manufacturing of fluorochemicals with a perfluoro carbon chain length equal to or shorter than 6 atoms.	-

Attachment 2. Exempted Application List

CAS No/ Substance group ID	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Management Classification	Usage code		Description	Time of Total elimination
					Laws & regulations	Code		
SG066	C9-C14 PFCA related substances	00183	All	A1	REACH Annex XVII	PFCA-2	(i) Textiles for oil- and water-repellency for the protection of workers from dangerous liquids that comprise risks to their health and safety; (ii) the manufacture of polytetrafluoroethylene (PTFE) and polyvinylidene fluoride (PVDF) for the production of: - high performance, corrosion resistant gas filter membranes, water filter membranes and membranes for medical textiles; - industrial waste heat exchanger equipment; - industrial sealants capable of preventing leakage of volatile organic compounds and PM 2,5 particulates	2023-01-04
				A1	REACH Annex XVII	PFCA-3	(i) photolithography or etch processes in semiconductor manufacturing (ii) photographic coatings applied to films (iii) invasive and implantable medical devices	2025-01-05
				A1	REACH Annex XVII	PFCA-4	The can coating for pressurised metered-dose inhalers	2028-02-26
				A1	REACH Annex XVII	PFCA-5	(a) semiconductors on their own; (b) semiconductors incorporated in semi-finished and finished electronic equipment	2023-06-30
				A1	REACH Annex XVII	PFCA-6	Semiconductors used in spare or replacement parts for finished electronic equipment placed on the market before 31 December 2023.	2030-06-30
				B	REACH Annex XVII	PFCA-98	the sum of C9-C14 PFCAs and their salts or 260 ppb for the sum of C9-C14 PFCA-related substances.	-

Attachment 3. Illustrative List of Regulated Chemical Substances

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG001	Asbestos	1332-21-4	Asbestos	-	R00001
		77536-66-4	Actinolite; Asbestos	-	R00002
		12172-73-5	Amosite; Asbestos	-	R00003
		77536-67-5	Anthophyllite; Asbestos	-	R00004
		12001-29-5	Chrysotile; Asbestos	-	R00005
		12001-28-4	Crocidolite; Asbestos	-	R00006
		77536-68-6	Tremolite; Asbestos	-	R00007
		-	Others	-	-
SG002	Azocolourants and azodyes which form certain aromatic amines	92-67-1	4-Aminobiphenyl; xenylamine; Biphenyl-4-ylamine	-	R00008
		92-87-5	Benzidine; 4,4'-diaminobiphenyl; biphenyl-4,4'-ylenediamine	-	R00009
		95-69-2	4-Chloro-o-toluidine	-	R00010
		91-59-8	2-Naphthylamine; beta-naphthylamine	-	R00011
		97-56-3	4-o-Tolylazo-o-toluidine; 4-amino-2',3-dimethylazobenzene; fast garnet GBC base; AAT; o-aminoazotoluene	-	R00012
		99-55-8	5-nitro-o-toluidine	-	R00013
		106-47-8	4-Chloraniline	-	R00014
		615-05-4	2,4-Diaminoanisole; 4-methoxy-m-phenylenediamine	-	R00015
		101-77-9	4,4'-Diaminodiphenylmethane; 4,4'-methylenedianiline	-	R00016
		91-94-1	3,3'-Dichlorobenzidine; 3,3'-dichlorobiphenyl-4,4'-ylenediamine	-	R00017
		119-90-4	3,3'-Dimethoxybenzidine; o-dianisidine	-	R00018
		119-93-7	3,3'-Dimethylbenzidine; o-tolidine; 4,4'-bi-o-toluidine	-	R00019
		838-88-0	4,4'-Methylenedi-o-toluidine	-	R00020
		120-71-8	6-Methoxy-m-toluidine; p-cresidine	-	R00021
		101-14-4	2,2'-Dichloro-4,4'-methylenedianiline; 4,4'-Methylene bis(2-chloroaniline)	-	R00022
		101-80-4	4,4'-Oxydianiline; p-Aminophenyl ether	-	R00023
		139-65-1	4,4'-Thiodianiline	-	R00024
		95-53-4	o-Toluidine; 2-aminotoluene	-	R00025
		95-80-7	4-Methyl-m-phenylenediamine; 2,4-Toluenediamine	-	R00026
		137-17-7	2,4,5-Trimethylaniline	-	R00027
		90-04-0	2-Methoxyaniline; o-anisidine	-	R00028
		60-09- 3	4-amino azobenzene	-	R00029
		-	Others	-	-
SG003	Boric acid	10043-35-3; 11113-50-1	Boric acid	-	-

Attachment 3. Illustrative List of Regulated Chemical Substances

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG004	Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)	-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(14) [Aliphatic/alicyclic brominated compounds]	-	R00032
		-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(15) [Aliphatic/alicyclic brominated compounds in combination with antimony compounds]	-	R00033
		-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(16) [Aromatic brominated compounds excluding brominated diphenyl ether and biphenyls)]	-	R00034
		-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(17) [Aromatic brominated compounds excluding brominated diphenyl ether and biphenyls) in combination with antimony compounds]	-	R00035
		-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(22) [Aliphatic/alicyclic chlorinated and brominated compounds]	-	R00036
		-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(42) [Brominated organic phosphorus compounds]	-	R00037
		69882-11-7	Poly(2,6-dibromo-phenylene oxide)	0.63	R00038
		58965-66-5	Tetra-decabromo-diphenoxy-benzene	0.82	R00039
		37853-59-1	1,2-Bis(2,4,6-tribromo-phenoxy) ethane	0.70	R00040
		79-94-7	Tetrabromobisphenol A (TBBPA)	0.59	R00041
		30496-13-0	TBBA, unspecified	0.59	R00042
		40039-93-8	TBBA-epichlorhydrin oligomer	0.50	R00043
		70682-74-5	TBBA-TBBA-diglycidyl-ether oligomer	0.53	R00044
		28906-13-0	TBBA carbonate oligomer	0.50	R00045
		94334-64-2	TBBA carbonate oligomer, phenoxy end capped	0.43	R00046
		71342-77-3	TBBA carbonate oligomer, 2,4,6-tribromo-phenol terminated	1.00	R00047
		32844-27-2	TBBA-bisphenol A-phosgene polymer	0.37	R00048
		139638-58-7	Brominated epoxy resin end-capped with tribromophenol	1.00	R00049
		135229-48-0	Brominated epoxy resin end-capped with tribromophenol	1.00	R00050
		21850-44-2	1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromopropoxy)benzene]	0.68	R00051
		4162-45-2	TBBA bis-(2-hydroxy-ethyl-ether)	0.51	R00052
		25327-89-3	TBBA-bis-(allyl-ether)	0.51	R00053
		37853-61-5	TBBA-dimethyl-ether	0.56	R00054
		39635-79-5	4,4'-sulphonylbis[2,6-dibromophenol],Tetrabromobisphenol S, (TBBPS)	0.56	R00055
		42757-55-1	TBBS-bis-(2,3-dibromo-propyl-ether)	0.66	R00056
		615-58-7	2,4-Dibromo-phenol	0.63	R00057
		118-79-6	2,4,6-tribromo-phenol	0.72	R00058
		608-71-9	Pentabromo-phenol	0.82	R00059
		3278-89-5	2,4,6-Tribromo-phenyl-allyl-ether	0.65	R00060
		26762-91-4	Tribromo-phenyl-allyl-ether, unspecified	0.65	R00061

Attachment 3. Illustrative List of Regulated Chemical Substances

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG004	Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)	55481-60-2	Bis(methyl)tetrabromo-phthalate	0.63	R00062
		26040-51-7	Bis(2-ethylhexyl)tetrabromo-phthalate	0.45	R00063
		20566-35-2	2-Hydroxy-propyl-2-(2-hydroxy-ethoxy)-ethyl-TBP	0.51	R00064
		75790-69-1	TBPA, glycol-and propylene-oxide esters	0.48	R00065
		32588-76-4	N,N'-ethylenebis(3,4,5,6-tetrabromophthalimide)	0.67	R00066
		52907-07-0	Ethylene-bis(5,6-dibromo-norbornane-2,3-dicarboximide)	0.48	R00067
		3234-02-4	2,3-Dibromo-2-butene-1,4-diol	0.65	R00068
		3296-90-0	Dibromo-neopentyl-glycol	0.61	R00069
		96-13-9	2,3-dibromopropan-1-ol; 2,3-dibromo-1-propanol	0.73	R00070
		36483-57-5	Tribromo-neopentyl-alcohol	0.74	R00071
		57137-10-7	Poly tribromo-styrene	0.70	R00072
		61368-34-1	Tribromo-styrene	0.70	R00073
		171091-06-8	Dibromo-styrene grafted PP	1.00	R00074
		31780-26-4	Poly-dibromo-styrene	0.61	R00075
		68955-41-9	Bromo-/Chloro-paraffins	1.00	R00076
		82600-56-4	Bromo-/Chloro-alpha-olefin	1.00	R00077
		593-60-2	Bromoethylene	0.75	R00078
		52434-90-9	Tris-(2,3-dibromo-propyl)-isocyanurate	0.66	R00079
		49690-63-3	Tris(2,4-Dibromo-phenyl) phosphate	0.60	R00080
		19186-97-1	Tris(tribromo-neopentyl) phosphate	0.71	R00081
		125997-20-8	Chlorinated and brominated phosphate ester	0.38	R00082
		87-83-2	Pentabromo-toluene	0.82	R00083
		38521-51-6	Pentabromo-benzyl bromide	0.85	R00084
		68441-46-3	1,3-Butadiene homopolymer,brominated	1.00	R00085
		59447-55-1	Pentabromo-benzyl-acrylate, monomer	0.72	R00086
		59447-57-3	Pentabromo-benzyl-acrylate, polymer	0.72	R00087
		84852-53-9	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene]	0.82	R00088
		59789-51-4	Tribromo-bisphenyl-maleinimide	0.58	R00089
		155613-93-7	Octabromo-1,1,3-trimethyl-1-phenylindane (FR-1808)	0.74	R00090
		-	Other Brominated Flame Retardants	-	R00091
		31454-48-5	Tetrabromo-cyclo-octane	0.75	R00092
		3322-93-8	1,2-Dibromo-4-(1,2 dibromo-ethyl)-cyclo-hexane	0.75	R00093
		25357-79-3	Tetrabromophthalic acid Na salt	0.61	R00094
		632-79-1	Tetrabromo phthalic anhydride	0.69	R00095
SG006	Cadmium/Cadmium compounds	7440-43-9	Cadmium	1.00	R00096
		1306-19-0	Cadmium oxide	0.88	R00097

Attachment 3. Illustrative List of Regulated Chemical Substances

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG006	Cadmium/Cadmium compounds	1306-23-6	Cadmium sulphide	0.78	R00098
		-	Others	-	-
SG008	Chromium (VI) Compounds	10294-40-3	Barium chromate	0.21	R00101
		13765-19-0	Calcium chromate	0.33	R00102
		7789-06-2	Strontium chromate	0.26	R00106
		13530-65-9	Chromic acid (H2CrO4), zinc salt (1:1)	0.29	R00109
		7758-97-6	Lead chromate	0.16	R00170
		12656-85-8	Lead chromate molybdate sulfate red; C.I. Pigment Red 104; [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77605.]	1.00	R00171
		1344-37-2	Lead sulfochromate yellow; C.I. Pigment Yellow 34; [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77603.]	1.00	R00172
		-	Others	-	-
SG009	Dibutyltin (DBT) compounds	818-08-6	Dibutyltin oxide	0.48	R00110
		1067-33-0	Dibutyltin diacetate	0.34	R00111
		77-58-7	Dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)]stannane	0.19	R00112
		78-04-6	Dibutyltin maleate	0.34	R00113
		-	Other dibutyltin compounds	-	R00114
SG010	Dioctyltin (DOT) compounds	870-08-6	Dioctyltin oxide, (Stannane, dioctyloxo-)	0.33	R00115
		3648-18-8	Dioctyltin dilaurate	0.16	R00116
		-	Other Dioctyltin compounds	-	R00117
SG011	Disodium tetraborates	1330-43-4	Disodium tetraborate, anhydrous; Boric acid, disodium salt	-	R00118
		12179-04-3	Disodium tetraborate pentahydrate; Borax pentahydrate	-	R00119
		1303-96-4	Disodium tetraborate decahydrate; Borax decahydrate	-	R00120
		-	Others	-	-
SG012	Fluorinated Greenhouse Gases (PFC, SF6, HFC)	75-73-0	Tetrafluoro-methane	-	R00122
		76-16-4	Hexafluoroethane (PFC-116)	-	R00123
		76-19-7	Octafluoropropane (PFC-218)	-	R00124
		355-25-9	Decafluorobutane (PFC-31-10)	-	R00125
		678-26-2	Dodecafluoropentane (PFC-41-12)	-	R00126
		355-42-0	Tetradecafluorohexane (PFC-51-14)	-	R00127
		115-25-3	Octafluorocyclobutane (PFC-c318)	-	R00128
		2551-62-4	Sulfur hexafluoride	-	R00129
		75-46-7	Trifluoromethane	-	R00130
		75-10-5	Difluoromethane	-	R00131
		593-53-3	Methyl fluoride	-	R00132
		138495-42-8	Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-	-	R00133

Attachment 3. Illustrative List of Regulated Chemical Substances

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG012	Fluorinated Greenhouse Gases (PFC, SF6, HFC)	354-33-6	Ethane, pentafluoro-	-	R00134
		359-35-3	1,1,2,2-Tetrafluoroethane	-	R00135
		811-97-2	1,1,1,2-Tetrafluoroethane	-	R00136
		75-37-6	1,1-Difluoroethane	-	R00137
		430-66-0	1,1,2-Trifluoroethane	-	R00138
		420-46-2	Ethane, 1,1,1-trifluoro-	-	R00139
		431-89-0	Propane, 1,1,1,2,3,3,3-heptafluoro-	-	R00140
		677-56-5	1,1,1,2,2,3-Hexafluoro-propane (HFC-236cb)	-	R00141
		431-63-0	1,1,1,2,3,3-Hexafluoropropane	-	R00142
		690-39-1	Propane, 1,1,1,3,3,3-hexafluoro-	-	R00143
		679-86-7	1,1,2,2,3-Pentafluoropropane (HFC-245ca)	-	R00144
		460-73-1	1,1,1,3,3-Pentafluoropropane	-	R00145
		406-58-6	1,1,1,3,3-Pentafluorobutane	-	R00146
		-	Others	-	-
SG013	Hexabromocyclododecane (HBCDD)	25637-99-4	Hexabromocyclododecane	-	R00147
		134237-50-6	alpha-hexabromocyclododecane	-	R00148
		134237-51-7	beta-hexabromocyclododecane	-	R00149
		134237-52-8	gamma-hexabromocyclododecane	-	R00150
		3194-55-6	1,2,5,6,9,10-hexabromocyclodecane	-	R00492
		-	Others	-	-
SG014	Lead/Lead Compounds	7439-92-1	Lead	1.00	R00151
		7446-14-2	Lead sulphates: PbSO4	0.68	R00152
		598-63-0	Lead carbonates: Neutral anhydrous carbonate (PbCO3)	0.78	R00153
		1319-46-6	Lead carbonates: Trilead-bis(carbonate)-dihydroxide 2Pb CO3-Pb(OH)2	0.80	R00154
		6080-56-4	Lead (II) acetate, trihydrate	0.55	R00156
		12069-00-0	Lead selenide (PbSe)	0.72	R00158
		1309-60-0	Lead peroxide	0.87	R00159
		1314-41-6	Orange lead (lead tetroxide)	0.91	R00160
		1314-87-0	Lead sulfide (PbS)	0.87	R00161
		7446-27-7	Trilead bis(orthophosphate)	0.77	R00165
		12060-00-3	Lead titanium trioxide	0.68	R00166
		15739-80-7	Lead sulphates: Pbx SO4	1.00	R00167
		12202-17-4	Tetralead trioxide sulphate	0.85	R00168
		1072-35-1	Stearic acid, lead (2+) salt	0.27	R00169
		7758-97-6	Lead chromate	0.64	R00170

Attachment 3. Illustrative List of Regulated Chemical Substances

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG014	Lead/Lead Compounds	12656-85-8	Lead chromate molybdate sulfate red; C.I. Pigment Red 104; [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77605.]	1.00	R00171
		1344-37-2	Lead sulfochromate yellow; C.I. Pigment Yellow 34; [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77603.]	1.00	R00172
		13637-76-8	Lead perchloratet	0.51	R00278
		-	Others	-	-
SG019	Mercury/Mercury Compounds	7439-97-6	Mercury	1.00	R00173
		33631-63-9	Mercury, chloro(cyclohexylmethyl)-	0.60	R00174
		7487-94-7	Mercuric chloride	0.74	R00175
		7783-35-9	Mercuric sulfate	0.68	R00176
		10045-94-0	Mercuric nitrate	0.62	R00177
		21908-53-2	Mercuric oxide	0.93	R00178
		1344-48-5	Mercury sulfide (HgS)	0.86	R00179
		7616-83-3	Perchloric acid, mercury(2+) salt	0.50	R00281
		-	Others	-	-
SG021	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	75-69-4	Trichlorofluoromethane	-	R00180
		75-71-8	Dichlorodifluoromethane	-	R00181
		75-72-9	Chlorotrifluoromethane	-	R00182
		354-56-3	Pentachlorofluoroethane	-	R00183
		76-12-0 76-12-0 76-11-9	Tetrachlorodifluoroethane 1,1,2,2-Tetrachloro-1,2-difluoroethane 1,1,1,2-Tetrachloro-2,2-difluoroethane	-	R00184
		76-13-1 76-13-1 354-58-5	Trichlorotrifluoroethane 1,1,2-Trichloro-1,2,2 trifluoroethane 1,1,1-Trichloro-2,2,2 trifluoroethane	-	R00185
		76-14-2	Cryofluorane	-	R00186
		76-15-3	Monochloropentafluoroethane	-	R00187
		422-78-6 135401-87-5 422-78-6 422-81-1	Heptachlorofluoropropane 1,1,1,2,2,3,3-Heptachloro-3-fluoropropane 1,1,1,2,3,3,3-Heptachloro-2-fluoropropane	-	R00188
		3182-26-1	1,1,1,3,3,3-Hexachlor-2,2-difluoropropane	-	R00189
		2354-06-5 134237-31-3	Pentachlorotrifluoropropane	-	R00190
		29255-31-0 2268-46-4 -	Tetrachlorotetrafluoropropane 1,2,2,3-Tetrachloro-1,1,3,3-tetrafluoropropane 1,1,1,3-Tetrachloro-2,2,3,3-tetrafluoropropane	-	R00191

Attachment 3. Illustrative List of Regulated Chemical Substances

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG021	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	1599-41-3 1599-41-3 76-17-5 - - 4259-43-2	Trichloropentafluoropropane 1,2,2-Trichloropentafluoropropane 1,2,3-Trichloropentafluoropropane 1,1,2-Trichloropentafluoropropane 1,1,3-Trichloropentafluoropropane 1,1,1-Trichloropentafluoropropane	-	R00192
		661-97-2	1,2-Dichloro-1,1,2,3,3,3-hexafluoropropane	-	R00193
		422-86-6	Heptafluoropropyl chloride	-	R00194
		74-97-5	Chlorobromomethane	-	R00195
		75-61-6	Dibromodifluoromethane	-	R00196
		353-59-3	Bromochlorodifluoromethane	-	R00197
		75-63-8	Bromotrifluoromethane	-	R00198
		124-73-2	Dibromotetrafluoroethane (Halon 2402)	-	R00199
		56-23-5	Carbon tetrachloride	-	R00200
		71-55-6	1,1,1-Trichloroethane (Ethane, 1,1,1-trichloro-)	-	R00201
		74-83-9	Methyl bromide (Bromomethane)	-	R00202
		74-96-4	Bromoethane (ethyl bromide)	-	R00203
		2314-97-8	Trifluoroiodomethane (trifluoromethyl iodide)	-	R00205
		74-87-3	Chloromethane (methyl chloride)	-	R00206
		1868-53-7	Dibromofluoromethane	-	R00207
		1511-62-2	Bromodifluoromethane	-	R00208
		373-52-4	Bromofluoromethane	-	R00209
		306-80-9	1,1,2,2-tetrabromo-1-fluoro-ethane	-	R00210
		-	Tribromodifluoroethane	-	R00211
		354-04-1	1,2-Dibromo-1,1,2-trifluoroethane	-	R00212
		124-72-1	Bromotetrafluoroethane (HBFC-124 B1)	-	R00213
		-	Tribromofluoroethane	-	R00214
		75-82-1	1,2-Dibromo-1,1-difluoroethane	-	R00215
		421-06-7	2-Bromo-1,1,1-trifluoroethane	-	R00216
		358-97-4	1,2-Dibromo-1-fluoroethane	-	R00217
		420-47-3	1-Bromo-1,1-difluoroethane	-	R00218
		762-49-2	1-Bromo-2-fluoroethane	-	R00219
		-	Hexabromofluoropropane	-	R00220
		-	Pentabromodifluoropropane	-	R00221
		-	Tetrabromotrifluoropropane	-	R00222
		-	Tribromotetrafluoropropane	-	R00223

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG021	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	431-78-7	Dibromopentafluoropropane (HBFC-225 B2)	-	R00224
		2252-78-0	1-Bromo-1,1,2,3,3,3-hexafluoropropane	-	R00225
		-	Pentabromofluoropropane	-	R00226
		-	Tetrabromodifluoropropane	-	R00227
		-	Tribromotrifluoropropane	-	R00228
		-	Dibromotetrafluoropropane	-	R00229
		460-88-8	1-bromo-1,1,3,3,3-pentafluoro-propane	-	R00230
		-	Tetrabromofluoropropane	-	R00231
		70192-80-2	Tribromodifluoropropane (HBFC-242 B3)	-	R00232
		431-21-0	2,3-Dibromo-1,1,1-trifluoropropane	-	R00233
		679-84-5	3-Bromo-1,1,2,2-tetrafluoropropane	-	R00234
		75372-14-4	C3H4FBr3	-	R00235
		460-25-3	1,3-Dibromo-1,1-difluoropropane	-	R00236
		421-46-5	Bromotrifluoropropane (HBFC-253 B1)	-	R00237
		51584-26-0	1,3-Dibromo-1-fluoropropane	-	R00238
		-	Bromodifluoropropane	-	R00239
		1871-72-3	Propane, 1-bromo-2-fluoro-	-	R00240
		75-43-4	Dichlorofluoromethane	-	R00241
		75-45-6	Chlorodifluoromethane	-	R00242
		593-70-4	Chlorofluoromethane	-	R00243
		134237-32-4 354-14-3 354-11-0	Tetrachlorofluoroethane 1,1,2,2-Tetrachloro-1-fluoroethane 1,1,1,2-Tetrachloro-2-fluoroethane	-	R00244
		41834-16-6 354-21-2 354-15-4 354-12-1	Trichlorodifluoroethane 1,2,2-Trichloro-1,1-difluoroethane 1,1,2-Trichloro-1,2-difluoroethane 1,1,1-Trichloro-2,2-difluoroethane	-	R00245
		34077-87-7 306-83-2 354-23-4 90454-18-5 812-04-4	Dichlorotrifluoroethane 1,1-Dichloro-2,2,2-trifluoroethane 1,2-Dichloro-1,1,2-trifluoroethane 1,1-Dichloro-1,2,2-trifluoroethane	-	R00246
		63938-10-3 2837-89-0 354-25-6	Chlorotetrafluoroethane 2-chloro-1,1,1,2-tetrafluoroethane 1-chloro-1,1,2,2-tetrafluoroethane	-	R00247

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG021	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	27154-33-2; (134237-34-6) 359-28-4 811-95-0 2366-36-1	Trichlorofluoroethane 1,1,2-Trichloro-2-fluoroethane 1,1,2-Trichloro-1-fluoroethane 1,1,1-Trichloro-2-fluoroethane	-	R00248
		25915-78-0 431-06-1 471-43-2 1649-08-7 1842-05-3	Dichlorodifluoroethane 1,2-Dichloro-1,2-difluoroethane 1,1-Dichloro-2,2-difluoroethane 1,2-Dichloro-1,1-difluoroethane 1,1-Dichloro-1,2-difluoroethane	-	R00249
		1330-45-6 431-07-2 1330-45-6 75-88-7 421-04-5	Chlorotrifluoroethane 1-Chloro-1,2,2-trifluoroethane 2-Chloro-1,1,1-trifluoroethane 1-Chloro-1,1,2-trifluoroethane	-	R00250
		1717-00-6; (25167-88-8) 430-57-9 430-53-5 1717-00-6	Dichlorofluoroethane 1,2-Dichloro-1-fluoroethane 1,1-Dichloro-2-fluoroethane 1,1-Dichloro-1-fluoroethane	-	R00251
		25497-29-4 338-65-8 75-68-3 338-64-7	Chlorodifluoroethane 2-Chloro-1,1-Difluoroethane 1-Chloro-1,1-difluoroethane 1-Chloro-1,2-difluoroethane	-	R00252
		110587-14-9 762-50-5 1615-75-4	Chlorofluoroethane 1-Chloro-2-fluoroethane 1-Chloro-1-fluoroethane	-	R00253
		134237-35-7 29470-94-8 422-26-4	Hexachlorofluoropropane 1,1,1,2,2,3-Hexachloro-3-fluoropropane	-	R00254
		134237-36-8 422-49-1 422-30-0	Pentachlorodifluoropropane 1,1,1,3,3-pentachloro-2,2-difluoropropane 1,2,2,3,3-pentachloro-1,1-difluoropropane	-	R00255
		134237-37-9 422-52-6 422-50-4	Tetrachlorotrifluoropropane 1,1,3,3-Tetrachloro-1,2,2-trifluoropropane 1,1,1,3-Tetrachloro-2,2,3-trifluoropropane	-	R00256
		134237-38-0 , 422-54-8 , 422-53-7, 422- 51-5	Trichlorotetrafluoropropane 1,3,3-Trichloro-1,1,2,2-tetrafluoropropane 1,1,3-Trichloro-1,2,2,3-tetrafluoropropane 1,1,1-Trichloro-2,2,3,3-tetrafluoropropane	-	R00257

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG021	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	127564-92-5 128903-21-9 422-48-0 422-44-6 422-56-0 507-55-1 13474-88-9 431-86-7 136013-79-1 111512-56-2	Dichloropentafluoropropane 2,2-Dichloro-1,1,1,3,3-pentafluoropropane 2,3-Dichloro-1,1,1,2,3-pentafluoropropane 1,2-Dichloro-1,1,2,3,3-pentafluoropropane 3,3-Dichloro-1,1,1,2,2-pentafluoropropane 1,3-Dichloro-1,1,2,2,3-pentafluoropropane 1,1-Dichloro-1,2,2,3,3-pentafluoropropane 1,2-Dichloro-1,1,3,3,3-pentafluoropropane 1,3-Dichloro-1,1,2,3,3-pentafluoropropane 1,1-Dichloro-1,2,3,3,3-pentafluoropropane	-	R00258
		134308-72-8 431-87-8	Chlorohexafluoropropane 2-Chloro-1,1,1,3,3,3-hexafluoro-propane	-	R00259
		134190-48-0 421-94-3	Pentachlorofluoropropane 1,1,1,2,3-pentachloro-2-fluoro-propane	-	R00260
		134237-39-1 460-89-9	Tetrachlorodifluoropropane 1,1,1,3-Tetrachloro-3,3-difluoropropane	-	R00261
		134237-40-4 7125-83-9	Trichlorotrifluoropropane 1,1,1-Trichloro-3,3,3-trifluoropropane	-	R00262
		127564-83-4 425-94-5	Dichlorotetrafluoropropane 1,2-Dichloro-1,2,3,3-tetrafluoropropane	-	R00263
		134237-41-5 460-92-4	Chloropentafluoropropane 1-Chloro-1,1,3,3,3-pentafluoropropane	-	R00264
		134190-49-1 666-27-3	Tetrachlorofluoropropane 1,1,2,3-Tetrachloro-1-fluoropropane	-	R00265
		134237-42-6 460-63-9	Trichlorodifluoropropane 1,3,3,Trichloro-1,1-difluoropropane	-	R00266
		134237-43-7 7125-99-7 338-75-0 460-69-5	Dichlorotrifluoropropane 1,1-Dichloro-1,2,2-trifluoropropane 2,3-Dichloro-1,1,1-trifluoropropane 3,3-Dichloro-1,1,1-trifluoropropane	-	R00267
		134190-50-4 679-85-6 421-75-0	Chlorotetrafluoropropane 3-Chloro-1,1,2,2-tetrafluoropropane 1-Chloro-1,1,2,2-tetrafluoropropane	-	R00268
		134190-51-5 818-99-5 421-41-0	Trichlorofluoropropane 1,1,3-Trichloro-1-fluoropropane 1,1,2-Trichloro-1-fluoropropane	-	R00269
		134190-52-6 819-00-1	Dichlorodifluoropropane 1,3-Dicloro-1,1-difluoropropane	-	R00270
		134237-44-8 460-35-5	Chlorotrifluoropropane 3-Chloro-1,1,1-trifluoropropane	-	R00271

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG021	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	134237-45-9 7799-56-6 420-97-3	Dichlorofluoropropane 1,1-Dichloro-1-fluoropropane 1,2-Dichloro-2-fluoro-propane	-	R00272
		134190-53-7 420-99-5 102738-79-4 421-02-3	Chlorodifluoropropane 1-Chloro-2,2-difluoropropane 2-Chloro-1,3-difluoropropane 1-Chloro-1,1-difluoropropane	-	R00273
		134190-54-8 420-44-0 430-55-7	Chlorofluoropropane 2-Chloro-2-fluoropropane 1-Chloro-1-fluoropropane	-	R00274
		-	Others	-	-
SG022	Perchlorates	7791-03-9	Lithium Perchlorate	-	R00275
		7790-98-9	Ammonium perchlorate	-	R00276
		13465-95-7	Barium perchlorate	-	R00277
		13637-76-8	Lead perchlorate	-	R00278
		10034-81-8	Magnesium Perchlorate	-	R00279
		13455-31-7	Perchloric acid, cobalt(2+) salt	-	R00280
		7616-83-3	Perchloric acid, mercury(2+) salt	-	R00281
		13520-61-1	Perchloric acid, nickel(2+) salt, hexahydrate	-	R00282
		13637-71-3	Nickel diperchlorate; Perchloric acid, nickel (II) salt	-	R00283
		7778-74-7	Potassium Perchlorate	-	R00284
		7601-89-0	Sodium Perchlorate	-	R00285
		15596-83-5	Thallium(3+) perchlorate	-	R00286
		-	Others	-	-
SG023	Perfluorooctane sulfonates (PFOS)	306975-62-2	2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)-sulfonyl]amino]ethyl acrylate and vinylidene chloride	-	R00287
		2991-51-7	Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt	-	R00288
		-	Others	-	-
SG024	Phthalates, Selected Group 1 (DEHP, DBP, BBP, DIBP)	85-68-7	Benzyl butyl phthalate (BBP)	-	R00290
		84-74-2	Dibutyl phthalate (DBP)	-	R00291
		117-81-7	Bis(2-ethylhexyl) phthalate (DEHP); di-(2-ethylhexyl) phthalate	-	R00292
		84-69-5	Diisobutyl phthalate (DIBP)	-	R00513
SG025	Phthalates, Selected Group 2 (DIDP, DINP, DNOP)	26761-40-0 68515-49-1	Diisodecycl phthalate (DIDP)	-	R00293
		28553-12-0 68515-48-0	Diisononyl phthalate (DINP)	-	R00294
		117-84-0	Di-n-octyl phthalate (DNOP)	-	R00295

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG026	Polybrominated biphenyls (PBB)	59536-65-1	Polybromobiphenyls; Polybrominatedbiphenyls (PBB)	-	R00296
		92-86-4	1,1'-Biphenyl, 4,4'-dibromo-	-	R00297
		2052-07-5	2-bromobiphenyl	-	R00298
		2113-57-7	3-bromobiphenyl	-	R00299
		92-66-0	4-Bromobiphenyl	-	R00300
		59080-34-1	1,1'-Biphenyl, 2,2',5-tribromo-	-	R00301
		40088-45-7	1,1'-Biphenyl, 2,3,3',4'-tetrabromo-	-	R00302
		56307-79-0	Pentabromobiphenyl	-	R00303
		59080-40-9	1,1'-Biphenyl, 2,2',4,4',5,5'-hexabromo-	-	R00304
		36355-01-8	Hexabromobiphenyl	-	R00305
		67774-32-7	Firemaster FF-1	-	R00306
		35194-78-6	Heptabromobiphenyl	-	R00307
		61288-13-9	Bromkal 80	-	R00308
		27753-52-2	Nonabromo-1,1'-biphenyl	-	R00309
		13654-09-6	Decabromobiphenyl	-	R00310
		-	Others	-	-
SG027	Polybrominated diphenyl ethers (PBDE)	101-55-3	Monobromodiphenyl ether	-	R00311
		2050-47-7	Dibromodiphenyl ether	-	R00312
		49690-94-0	Tribromodiphenyl ether	-	R00313
		40088-47-9	Tetrabromodiphenyl ether C12H6Br4O	-	R00314
		36483-60-0	Hexabromodiphenyl ether C12H4Br6O	-	R00315
		68928-80-3	Heptabromodiphenyl ether C12H3Br7O	-	R00316
		63936-56-1	Nonabromodiphenyl ether	-	R00317
		1163-19-5	Bis(pentabromophenyl)ether (decabromodiphenyl ether; decaBDE)	-	R00318
		32534-81-9	Pentabromodiphenyl ether C12H5Br5O	-	R00319
		32536-52-0	Diphenylether, octabromo derivative C12H2Br8O	-	R00320
		-	Others	-	-
SG028	Polychlorinated Biphenyls (PCBs) and specific substitutes	1336-36-3	Polychlorinated Biphenyls (PCB)	-	R00321
		76253-60-6	Monomethyl-tetrachlorodiphenyl methane Trade name: Ugilec 141	-	R00322
		81161-70-8	Monomethyl-dichloro-diphenyl methane Trade name: Ugilec 121 Ugilec 21	-	R00323
		99688-47-8	Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers Trade name: DBBT	-	R00324
		-	Others	-	-
SG029	Polychlorinated Terphenyls (PCTs)	61788-33-8	Polychlorinated terphenyls (PCTs)	-	R00325
		-	Others	-	-
SG030	Polychlorinated naphthalenes	70776-03-3	Polychlorinated naphthalenes	-	R00326

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG030	Polychlorinated naphthalenes	90-13-1	1-Chloronaphthalene	-	R00389
		91-58-7	2-Chloronaphthalene	-	R00390
		1825-30-5	1,5-Dichloronaphthalene	-	R00391
		1825-31-6	1,4-Dichloronaphthalene	-	R00392
		2050-69-3	1,2-Dichloronaphthalene	-	R00393
		2050-72-8	1,6-Dichloronaphthalene	-	R00394
		2050-73-9	1,7-Dichloronaphthalene	-	R00395
		2050-74-0	1,8-Dichloronaphthalene	-	R00396
		2050-75-1	2,3-Dichloronaphthalene	-	R00397
		2065-70-5	2,6-Dichloronaphthalene	-	R00398
		2198-75-6	1,3-Dichloronaphthalene	-	R00399
		2198-77-8	2,7-Dichloronaphthalene	-	R00400
		25586-43-0	Chloronaphthalene	-	R00401
		28699-88-9	Dichloronaphthalene	-	R00402
		1321-64-8	Pentachloronaphthalene	-	R00403
		1321-65-9	Naphthalene, trichloro-	-	R00404
		1335-87-1	Hexachloronaphthalene	-	R00405
		1335-88-2	Tetrachloronaphthalene	-	R00406
		2234-13-1	Perchloronaphthalene; 1,2,3,4,5,6,7,8-Octachloronaphthalene	-	R00407
		2437-54-9	1,4,6-Trichloronaphthalene	-	R00408
		2437-55-0	1,4,5-Trichloronaphthalene	-	R00409
		3432-57-3	1,4,5,8-Tetrachloronaphthalene	-	R00410
		6529-87-9	1,2,4,8-Tetrachloronaphthalene	-	R00411
		6733-54-6	1,2,4,5-Tetrachloronaphthalene	-	R00412
		17062-87-2	1,2,3,6,7,8-Hexachloronaphthalene	-	R00413
		20020-02-4	1,2,3,4-Tetrachloronaphthalene	-	R00414
		31604-28-1	1,3,5,8-Tetrachloronaphthalene	-	R00415
		32241-08-0	Heptachloronaphthalene	-	R00416
		34588-40-4	2,3,6,7-Tetrachloronaphthalene	-	R00417
		50402-51-2	1,2,4-Trichloronaphthalene	-	R00418
		50402-52-3	1,2,3-Trichloronaphthalene	-	R00419
		51570-43-5	1,3,5-Trichloronaphthalene	-	R00420
		51570-44-6	1,2,6-Trichloronaphthalene	-	R00421
		51570-45-7	1,2,4,6-Tetrachloronaphthalene	-	R00422
		53555-63-8	1,2,3,5-Tetrachloronaphthalene	-	R00423
		53555-64-9	1,3,5,7-Tetrachloronaphthalene	-	R00424

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG030	Polychlorinated naphthalenes	53555-65-0	1,2,3,5,7-Pentachloronaphthalene	-	R00425
		55720-33-7	1,2,5-Trichloronaphthalene	-	R00426
		55720-34-8	1,2,7-Trichloronaphthalene	-	R00427
		55720-35-9	1,2,8-Trichloronaphthalene	-	R00428
		55720-36-0	1,3,6-Trichloronaphthalene	-	R00429
		55720-37-1	1,3,7-Trichloronaphthalene	-	R00430
		55720-38-2	1,3,8-Trichloronaphthalene	-	R00431
		55720-39-3	1,6,7-Trichloronaphthalene	-	R00432
		55720-40-6	2,3,6-Trichloronaphthalene	-	R00433
		55720-41-7	1,2,3,7-Tetrachloronaphthalene	-	R00434
		55720-42-8	1,3,6,7-Tetrachloronaphthalene	-	R00435
		55720-43-9	1,4,6,7-Tetrachloronaphthalene	-	R00436
		58863-14-2	1,2,3,4,5,6,7-Heptachloronaphthalene	-	R00437
		58863-15-3	1,2,3,4,5,6,8-Heptachloronaphthalene	-	R00438
		58877-88-6	1,2,3,4,5,6-Hexachloronaphthalene	-	R00439
		67922-21-8	1,2,4,7-Tetrachloronaphthalene	-	R00440
		67922-22-9	1,2,5,6-Tetrachloronaphthalene	-	R00441
		67922-23-0	1,2,5,7-Tetrachloronaphthalene	-	R00442
		67922-24-1	1,2,6,8-Tetrachloronaphthalene	-	R00443
		67922-25-2	1,2,3,4,5-Pentachloronaphthalene	-	R00444
		67922-26-3	1,2,3,4,6-Pentachloronaphthalene	-	R00445
		67922-27-4	1,2,3,4,5,7-Hexachloronaphthalene	-	R00446
		90948-28-0	1,2,4,5,6,8-Hexachloronaphthalene	-	R00447
		103426-92-2	1,2,4,5,7,8-Hexachloronaphthalene	-	R00448
		103426-93-3	1,2,3,4,5,8-Hexachloronaphthalene	-	R00449
		103426-94-4	1,2,3,5,7,8-Hexachloronaphthalene	-	R00450
		103426-95-5	1,2,3,5,6,8-Hexachloronaphthalene	-	R00451
		103426-96-6	1,2,3,4,6,7-Hexachloronaphthalene	-	R00452
		103426-97-7	1,2,3,5,6,7-Hexachloronaphthalene	-	R00453
		149864-78-8	1,2,3,6-Tetrachloronaphthalene	-	R00454
		149864-79-9	1,2,6,7-Tetrachloronaphthalene	-	R00455
		149864-80-2	1,2,5,8-Tetrachloronaphthalene	-	R00456
		149864-81-3	1,2,3,8-Tetrachloronaphthalene	-	R00457
		149864-82-4	1,2,7,8-Tetrachloronaphthalene	-	R00458
		150205-21-3	1,2,3,7,8-Pentachloronaphthalene	-	R00459
		150224-15-0	1,3,6,8-Tetrachloronaphthalene	-	R00460

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG030	Polychlorinated naphthalenes	150224-16-1	1,2,3,6,7-Pentachloronaphthalene	-	R00461
		150224-17-2	1,2,4,6,7-Pentachloronaphthalene	-	R00462
		150224-18-3	1,2,3,5,6-Pentachloronaphthalene	-	R00463
		150224-19-4	1,2,4,5,7-Pentachloronaphthalene	-	R00464
		150224-20-7	1,2,4,5,6-Pentachloronaphthalene	-	R00465
		150224-21-8	1,2,4,7,8-Pentachloronaphthalene	-	R00466
		150224-22-9	1,2,4,6,8-Pentachloronaphthalene	-	R00467
		150224-23-0	1,2,3,6,8-Pentachloronaphthalene	-	R00468
		150224-24-1	1,2,3,5,8-Pentachloronaphthalene	-	R00469
		150224-25-2	1,2,4,5,8-Pentachloronaphthalene	-	R00470
		-	Others	-	-
SG031	Radioactive substances	7440-61-1	Uranium	-	R00328
		10043-92-2	Radon	-	R00329
		14596-10-2	Americium-241	-	R00330
		7440-29-1	Thorium	-	R00331
		10045-97-3	Cesium-137	-	R00332
		10098-97-2	Strontium-90	-	R00333
		-	Other radioactive substances	-	R00334
SG032	Aluminosilicate Refractory Ceramic Fibres	SN0007	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and pac	-	-
SG033	Zirconia Aluminosilicate Refractory Ceramic Fibres	SN0055	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labellin	-	-
SG034	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	-	R00337
		108171-26-2	Alkanes, C10-12, chloro	-	R00338
		71011-12-6	Alkanes, C12-13, chloro	-	R00339
		61788-76-9	Alkanes, chloro; chloroparaffins	-	R00340
		-	Other Short Chain Chlorinated Paraffins	-	R00341
SG035	Tri-substituted organostannic compounds	1803-12-9	Triphenyltin dimethyldithiocarbamate	0.25	R00342
		379-52-2	Stannane, fluorotriphenyl-	0.32	R00343
		900-95-8	Stannane, acetoxytriphenyl-	0.29	R00344
		639-58-7	Triphenyl tin chloride	0.31	R00345
		76-87-9	Triphenyltin hydroxide	0.32	R00346
		18380-71-7	Triphenyltin fattyacid((9-11)salt)	0.23	R00347
		18380-72-8	Triphenyltin fattyacid((9-11)salt)	0.23	R00347

Attachment 3. Illustrative List of Regulated Chemical Substances

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG035	Tri-substituted organostannic compounds	47672-31-1	Triphenylstannyl decanoate	0.23	R00347
		94850-90-5	Triphenyltin fattyacid((9-11)salt)	0.22	R00347
		7094-94-2	(Chloroacetoxy)triphenylstannane	0.27	R00348
		2155-70-6	Tributyltin methacrylate	0.32	R00349
		6454-35-9	Bis(tributylstannyl)Fumarate	0.34	R00350
		1983-10-4	Stannane, tributylfluoro-	0.38	R00351
		31732-71-5	Bis(tributyltin)2,3-dibromosuccinate	0.28	R00352
		56-36-0	Tributyltin acetate	0.34	R00353
		3090-36-6	Tributyl(lauroyloxy)stannane	0.24	R00354
		4782-29-0	Bis(tributyltin)phthalate	0.32	R00355
		67772-01-4	Copolymer of alkyl(c=8) acrylate,methyl methacrylate and tributyltin methacrylate	0.18	R00356
		6517-25-5	Tributyltin sulfamate	0.31	R00357
		14275-57-1	Bis(tributyltin) maleate	0.34	R00358
		1461-22-9 7342-38-3	Tributyltinchloride	0.36	R00359
		85409-17-2	Tributyltin naphthenate; Stannane, tributyl-, mono(naphthenoyloxy) derivs.	1.00	R00360
		26239-64-5	[1R-(1.alpha.,4a.beta.,4b.alpha.,10a.alpha.)]-Tributyl[[[1,2,3,4,4a,4b,5,6,10,10a-decahydro-7-isopropyl-1,4a-dimethyl-1-phenanthryl]carbonyl]oxy]stannane	0.20	R00361
		-	Other tri-substituted organostannic compounds	-	R00362
SG036	Chlorinated Flame Retardants (CFR)	38051-10-4	Tetrakis(2-chloroethyl)dichloroisopentyldiphosphate	0.36	R00363
		13674-84-5	Tris(2-chloro-1-methylethyl) phosphate	0.32	R00364
		66108-37-0	Tris(2,3-dichloro-1-propyl)phosphate	0.30	R00365
		-	Other Chlorinated Flame Retardants	-	R00366
		13674-87-8	Tris(1,3-dichloro-2-propyl)phosphate	0.49	R00477
		13560-89-9	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"TM)	0.65	R00496
		135821-74-8	rel-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene	0.65	R00497
		135821-03-3	rel-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene	0.65	R00498
SG039	Hexahydromethylphthalic anhydride	25550-51-0	Hexahydromethylphthalic anhydride	-	R00381
		19438-60-9	Hexahydro-4-methylphthalic anhydride	-	R00382
		48122-14-1	Hexahydro-1-methylphthalic anhydride	-	R00383
		57110-29-9	Hexahydro-3-methylphthalic anhydride	-	R00384
		-	Others	-	-
SG040	4-Nonylphenol, branched and linear, ethoxylated	26027-38-3	4-Nonylphenol, ethoxylated 1 - 2.5 moles ethoxylated	-	R00367

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG040	4-Nonylphenol, branched and linear, ethoxylated	7311-27-5	2-[2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol	-	R00368
		20427-84-3	2-[2-(4-nonylphenoxy)ethoxy]ethanol	-	R00369
		34166-38-6	p-Nonylphenol hexaethoxylate	-	R00370
		27942-27-4	20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	-	R00371
		14409-72-4	26-(4-nonylphenoxy)-3,6,9,12,15,18,21,24-Octaoxahexacosan-1-ol	-	R00372
		104-35-8	Ethanol, 2-(4-nonylphenoxy)-	-	R00385
		37205-87-1	Isononylphenol, ethoxylated	-	R00386
		127087-87-0	4-Nonylphenol, branched, ethoxylated 1 - 2.5 moles ethoxylated	-	R00387
		156609-10-8	4-t-Nonylphenol-diethoxylate	-	R00388
		-	Others	-	-
SG041	Di-isodecyl phthalate (DIDP)	68515-49-1; 26761-40-0	Di-isodecyl phthalate (DIDP)	-	-
SG043	Diisononyl phthalate (DINP)	28553-12-0; 68515-48-0	Diisononyl phthalate (DINP)	-	-
SG044	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	68515-51-5; 68648-93-1	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	-	-
SG045	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1	Perfluorononan-1-oic acid	-	R00471
		4149-60-4	perfluorononan-1-oic acid ammonium salts	-	R00472
		21049-39-8	perfluorononan-1-oic acid sodium salts	-	R00473
		-	Others	-	-
SG046	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2	Nonadecafluorodecanoic acid	-	R00474
		3830-45-3	sodium nonadecafluorodecanoate	-	R00475
		3108-42-7	ammonium nonadecafluorodecanoate	-	R00476
		-	Others	-	-
SG047	Nickel/Nickel Compounds	7440-02-0	Nickel	-	R00478
		1313-99-1	Nickel monoxide	-	R00479
		7718-54-9	Nickel dichloride	-	R00480
		7791-20-0	Nickel(II) chloride hexahydrate (1:2:6)	-	R00481
		7786-81-4	Nickel sulfate	-	R00482
		10101-97-0	Nickel(II) sulfate hexahydrate (1:1:6)	-	R00483
		10101-98-1	Sulfuric acid, nickel(2+) salt (1:1), heptahydrate	-	R00484
		8007-18-9	Antimony nickel titanium oxide yellow	-	R00485
		68611-43-8	Nickel niobium titanium yellow rutile	-	R00486
		68186-85-6	C.I. Pigment Green 50	-	R00487
		-	Others	-	-

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG048	Perfluorohexane-1-sulphonic acid and its salts	355-46-4	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-; Perfluorohexane-1-sulphonic acid	-	R00488
		68259-08-5	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, ammonium salt (1:1)	-	R00489
		3871-99-6	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt (1:1)	-	R00490
		-	Others * For details, refer to the following URL. https://echa.europa.eu/candidate-list-table/-/dislist/details/0b0236e18184a0e1	-	-
SG051	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (“Dechlorane Plus”™)	13560-89-9	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"TM)	-	R00493
		135821-74-8	rel-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene	-	R00494
		135821-03-3	rel-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene	-	R00495
		-	Others	-	-
SG054	Perfluorooctanoic acid and its salts	335-67-1	Perfluorooctanoic acid (PFOA)	-	R00499
		3825-26-1	Ammoniumpentadecafluorooctanoate	-	R00500
		335-95-5	Sodium salt of PFOA	-	R00501
		2395-00-8	Potassium salt of PFOA	-	R00502
		335-93-3	Silver salt of PFOA	-	R00503
		-	Others	-	-
SG055	PFOA-related compounds	335-67-1	Perfluorooctanoic acid (PFOA)	-	R00504
		3825-26-1	Ammoniumpentadecafluorooctanoate	-	R00505
		335-95-5	Sodium salt of PFOA	-	R00506
		2395-00-8	Potassium salt of PFOA	-	R00507
		335-93-3	Silver salt of PFOA	-	R00508
		335-66-0	Pentadecafluorooctyl fluoride	-	R00509
		376-27-2	Methylperfluorooctanoate	-	R00510
		3108-24-5	Ethylperfluorooctanoate	-	R00511
		678-39-7	8-2 telomer alcohol:; 1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-	-	R00512
		1996-88-9	2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester	-	R00724
		-	Others	-	-
SG056	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	3050-88-2	Phenol, 4-nonyl-, phosphite (3:1)	-	R00514
		31631-13-7	Phenol, p-isononyl-, phosphite	-	R00515
		106599-06-8	Phenol, p-sec-nonyl-, phosphite	-	R00516
		-	Others	-	-
SG057	Perfluorobutane sulfonic acid (PFBS) and its salts	25628-08-4	Tetraethylammonium perfluorobutane sulfonate	-	R00517

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG057	Perfluorobutane sulfonic acid (PFBS) and its salts	375-73-5	Perfluorobutane sulfonic acid (PFBS)	-	R00519
SG058	Halogenated Flame Retardants	-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(14) [Aliphatic/alicyclic brominated compounds]	-	R00521
		-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(15) [Aliphatic/alicyclic brominated compounds in combination with antimony compounds]	-	R00522
		-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(16) [Aromatic brominated compounds excluding brominated diphenyl ether and biphenyls)]	-	R00523
		-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(17) [Aromatic brominated compounds excluding brominated diphenyl ether and biphenyls) in combination with antimony compounds]	-	R00524
		-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(22) [Aliphatic/alicyclic chlorinated and brominated compounds]	-	R00525
		-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(42) [Brominated organic phosphorus compounds]	-	R00526
		-	Other Brominated Flame Retardants	-	R00527
		-	Other Short Chain Chlorinated Paraffins	-	R00528
		-	Other Chlorinated Flame Retardants	-	R00529
		101-55-3	Monobromodiphenyl ether	-	R00530
		103426-92-2	1,2,4,5,7,8-Hexachloronaphthalene	-	R00531
		103426-93-3	1,2,3,4,5,8-Hexachloronaphthalene	-	R00532
		103426-94-4	1,2,3,5,7,8-Hexachloronaphthalene	-	R00533
		103426-95-5	1,2,3,5,6,8-Hexachloronaphthalene	-	R00534
		103426-96-6	1,2,3,4,6,7-Hexachloronaphthalene	-	R00535
		103426-97-7	1,2,3,5,6,7-Hexachloronaphthalene	-	R00536
		108171-26-2	Alkanes, C10-12, chloro	-	R00537
		115-96-8	Tris(2-chloroethyl)phosphate	-	R00715
		1163-19-5	Bis(pentabromophenyl)ether (decabromodiphenyl ether; decaBDE)	-	R00538
		118-79-6	2,4,6-tribromo-phenol	-	R00539
		125997-20-8	Chlorinated and brominated phosphate ester	-	R00540
		1321-64-8	Pentachloronaphthalene	-	R00541
		1321-65-9	Naphthalene, trichloro-	-	R00542
		1335-87-1	Hexachloronaphthalene	-	R00543
		1335-88-2	Tetrachloronaphthalene	-	R00544
		134237-50-6	alpha-hexabromocyclododecane	-	R00545
		134237-51-7	beta-hexabromocyclododecane	-	R00546
		134237-52-8	gamma-hexabromocyclododecane	-	R00547
		135229-48-0	Brominated epoxy resin end-capped with tribromophenol	-	R00548

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG058	Halogenated Flame Retardants	13560-89-9	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"TM)	-	R00549
		135821-03-3	(1S,2S,5R,6R,9S,10S,13R,14R)-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	-	R00550
		135821-74-8	(1S,2S,5S,6S,9R,10R,13R,14R)-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	-	R00551
		13654-09-6	Decabromobiphenyl	-	R00552
		13674-84-5	Tris(2-chloro-1-methylethyl) phosphate	-	R00553
		13674-87-8	Tris(1,3-dichloro-2-propyl)phosphate	-	R00554
		139638-58-7	Brominated epoxy resin end-capped with tribromophenol	-	R00555
		149864-78-8	1,2,3,6-Tetrachloronaphthalene	-	R00556
		149864-79-9	1,2,6,7-Tetrachloronaphthalene	-	R00557
		149864-80-2	1,2,5,8-Tetrachloronaphthalene	-	R00558
		149864-81-3	1,2,3,8-Tetrachloronaphthalene	-	R00559
		149864-82-4	1,2,7,8-Tetrachloronaphthalene	-	R00560
		150205-21-3	1,2,3,7,8-Pentachloronaphthalene	-	R00561
		150224-15-0	1,3,6,8-Tetrachloronaphthalene	-	R00562
		150224-16-1	1,2,3,6,7-Pentachloronaphthalene	-	R00563
		150224-17-2	1,2,4,6,7-Pentachloronaphthalene	-	R00564
		150224-18-3	1,2,3,5,6-Pentachloronaphthalene	-	R00565
		150224-19-4	1,2,4,5,7-Pentachloronaphthalene	-	R00566
		150224-20-7	1,2,4,5,6-Pentachloronaphthalene	-	R00567
		150224-21-8	1,2,4,7,8-Pentachloronaphthalene	-	R00568
		150224-22-9	1,2,4,6,8-Pentachloronaphthalene	-	R00569
		150224-23-0	1,2,3,6,8-Pentachloronaphthalene	-	R00570
		150224-24-1	1,2,3,5,8-Pentachloronaphthalene	-	R00571
		150224-25-2	1,2,4,5,8-Pentachloronaphthalene	-	R00572
		155613-93-7	Octabromo-1,1,3-trimethyl-1-phenylindane (FR-1808)	-	R00573
		17062-87-2	1,2,3,6,7,8-Hexachloronaphthalene	-	R00574
		171091-06-8	Dibromo-styrene grafted PP	-	R00575
		1825-30-5	1,5-Dichloronaphthalene	-	R00576
		1825-31-6	1,4-Dichloronaphthalene	-	R00577
		19186-97-1	Tris(tribromo-neopentyl) phosphate	-	R00578
		20020-02-4	1,2,3,4-Tetrachloronaphthalene	-	R00579
		2050-47-7	Dibromodiphenyl ether	-	R00580
		2050-69-3	1,2-Dichloronaphthalene	-	R00581

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG058	Halogenated Flame Retardants	2050-72-8	1,6-Dichloronaphthalene	-	R00582
		2050-73-9	1,7-Dichloronaphthalene	-	R00583
		2050-74-0	1,8-Dichloronaphthalene	-	R00584
		2050-75-1	2,3-Dichloronaphthalene	-	R00585
		2052-07-5	2-bromobiphenyl	-	R00586
		20566-35-2	2-Hydroxy-propyl-2-(2-hydroxy-ethoxy)-ethyl-TBP	-	R00587
		2065-70-5	2,6-Dichloronaphthalene	-	R00588
		2113-57-7	3-bromobiphenyl	-	R00589
		21850-44-2	1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromopropoxy)benzene]	-	R00590
		2198-75-6	1,3-Dichloronaphthalene	-	R00591
		2198-77-8	2,7-Dichloronaphthalene	-	R00592
		2234-13-1	Perchloronaphthalene; 1,2,3,4,5,6,7,8-Octachloronaphthalene	-	R00593
		2437-54-9	1,4,6-Trichloronaphthalene	-	R00594
		2437-55-0	1,4,5-Trichloronaphthalene	-	R00595
		25327-89-3	TBBA-bis-(allyl-ether)	-	R00596
		25357-79-3	Tetrabromophthalic acid Na salt	-	R00597
		25586-43-0	Chloronaphthalene	-	R00598
		25628-08-4	Tetraethylammonium perfluorobutane sulfonate	-	R00599
		25637-99-4	Hexabromocyclododecane	-	R00600
		26040-51-7	Bis(2-ethylhexyl)tetrabromo-phthalate	-	R00601
		26762-91-4	Tribromo-phenyl-allyl-ether, unspecified	-	R00602
		27753-52-2	Nonabromo-1,1'-biphenyl	-	R00603
		28699-88-9	Dichloronaphthalene	-	R00604
		28906-13-0	TBBA carbonate oligomer	-	R00605
		30496-13-0	TBBA, unspecified	-	R00606
		31454-48-5	Tetrabromo-cyclo-octane	-	R00607
		31604-28-1	1,3,5,8-Tetrachloronaphthalene	-	R00608
		31780-26-4	Poly-dibromo-styrene	-	R00609
		3194-55-6	1,2,5,6,9,10-hexabromocyclododecane	-	R00610
		32241-08-0	Heptachloronaphthalene	-	R00611
		3234-02-4	2,3-Dibromo-2-butene-1,4-diol	-	R00612
		32534-81-9	Pentabromodiphenyl ether C12H5Br5O	-	R00613
		32536-52-0	Diphenylether; octabromo derivate	-	R00614
		32588-76-4	N,N'-ethylenebis(3,4,5,6-tetrabromophthalimide)	-	R00615
		3278-89-5	2,4,6-Tribromo-phenyl-allyl-ether	-	R00616
		32844-27-2	TBBA-bisphenol A-phosgene polymer	-	R00617

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG058	Halogenated Flame Retardants	3296-90-0	2,2-bis(bromomethyl)propane-1,3-diol	-	R00618
		3322-93-8	1,2-Dibromo-4-(1,2 dibromo-ethyl)-cyclo-hexane	-	R00619
		3432-57-3	1,4,5,8-Tetrachloronaphthalene	-	R00620
		34454-97-2	1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide	-	R00621
		34588-40-4	2,3,6,7-Tetrachloronaphthalene	-	R00622
		35194-78-6	Heptabromobiphenyl	-	R00623
		36355-01-8	Hexabromobiphenyl	-	R00624
		36483-57-5	Tribromo-neopentyl-alcohol	-	R00625
		36483-60-0	Hexabromodiphenyl ether C12H4Br6O	-	R00626
		375-72-4	1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonyl fluoride	-	R00627
		375-73-5	Perfluorobutane sulfonic acid (PFBS)	-	R00628
		37853-59-1	1,2-Bis(2,4,6-tribromo-phenoxy) ethane	-	R00629
		37853-61-5	TBBA-dimethyl-ether	-	R00630
		38051-10-4	Tetrakis(2-chloroethyl)dichloroisopentyldiphosphate	-	R00631
		38521-51-6	Pentabromo-benzyl bromide	-	R00632
		39635-79-5	4,4'-sulphonylbis[2,6-dibromophenol],Tetrabromobisphenol S, (TBBPS)	-	R00633
		40039-93-8	TBBA-epichlorhydrin oligomer	-	R00634
		40088-45-7	1,1'-Biphenyl, 2,3,3',4'-tetrabromo-	-	R00635
		40088-47-9	Tetrabromodiphenyl ether C12H6Br4O	-	R00636
		4162-45-2	TBBA bis-(2-hydroxy-ethyl-ether)	-	R00637
		42757-55-1	TBBS-bis-(2,3-dibromo-propyl-ether)	-	R00638
		49690-63-3	Tris(2,4-Dibromo-phenyl) phosphate	-	R00639
		49690-94-0	Tribromodiphenyl ether	-	R00640
		50402-51-2	1,2,4-Trichloronaphthalene	-	R00641
		50402-52-3	1,2,3-Trichloronaphthalene	-	R00642
		51570-43-5	1,3,5-Trichloronaphthalene	-	R00643
		51570-44-6	1,2,6-Trichloronaphthalene	-	R00644
		51570-45-7	1,2,4,6-Tetrachloronaphthalene	-	R00645
		52434-90-9	Tris-(2,3-dibromo-propyl)-isocyanurate	-	R00646
		52907-07-0	Ethylene-bis(5,6-dibromo-norbornane-2,3-dicarboximide)	-	R00647
		53555-63-8	1,2,3,5-Tetrachloronaphthalene	-	R00648
		53555-64-9	1,3,5,7-Tetrachloronaphthalene	-	R00649
		53555-65-0	1,2,3,5,7-Pentachloronaphthalene	-	R00650
		55481-60-2	Bis(methyl)tetrabromo-phthalate	-	R00651
		55720-33-7	1,2,5-Trichloronaphthalene	-	R00652
		55720-34-8	1,2,7-Trichloronaphthalene	-	R00653

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG058	Halogenated Flame Retardants	55720-35-9	1,2,8-Trichloronaphthalene	-	R00654
		55720-36-0	1,3,6-Trichloronaphthalene	-	R00655
		55720-37-1	1,3,7-Trichloronaphthalene	-	R00656
		55720-38-2	1,3,8-Trichloronaphthalene	-	R00657
		55720-39-3	1,6,7-Trichloronaphthalene	-	R00658
		55720-40-6	2,3,6-Trichloronaphthalene	-	R00659
		55720-41-7	1,2,3,7-Tetrachloronaphthalene	-	R00660
		55720-42-8	1,3,6,7-Tetrachloronaphthalene	-	R00661
		55720-43-9	1,4,6,7-Tetrachloronaphthalene	-	R00662
		56307-79-0	Pentabromobiphenyl	-	R00663
		57137-10-7	Poly tribromo-styrene	-	R00664
		58863-14-2	1,2,3,4,5,6,7-Heptachloronaphthalene	-	R00665
		58863-15-3	1,2,3,4,5,6,8-Heptachloronaphthalene	-	R00666
		58877-88-6	1,2,3,4,5,6-Hexachloronaphthalene	-	R00667
		58965-66-5	Tetra-decabromo-diphenoxy-benzene	-	R00668
		59080-34-1	1,1'-Biphenyl, 2,2',5-tribromo-	-	R00669
		59080-40-9	1,1'-Biphenyl, 2,2',4,4',5,5'-hexabromo-	-	R00670
		593-60-2	Bromoethylene	-	R00671
		59447-55-1	Pentabromo-benzyl-acrylate, monomer	-	R00672
		59447-57-3	Pentabromo-benzyl-acrylate, polymer	-	R00673
		59536-65-1	Polybromobiphenyls; Polybrominatedbiphenyls (PBB)	-	R00674
		59789-51-4	Tribromo-bisphenyl-maleinimide	-	R00675
		608-71-9	Pentabromo-phenol	-	R00676
		61288-13-9	Bromkal 80	-	R00677
		61368-34-1	Tribromo-styrene	-	R00678
		615-58-7	2,4-Dibromo-phenol	-	R00679
		61788-76-9	Alkanes, chloro; chloroparaffins	-	R00680
		632-79-1	Tetrabromo phthalic anhydride	-	R00681
		63936-56-1	Nonabromodiphenyl ether	-	R00682
		6529-87-9	1,2,4,8-Tetrachloronaphthalene	-	R00683
		66108-37-0	Tris(2,3-dichloro-1-propyl)phosphate	-	R00684
		6733-54-6	1,2,4,5-Tetrachloronaphthalene	-	R00685
		67774-32-7	Firemaster FF-1	-	R00686
		67922-21-8	1,2,4,7-Tetrachloronaphthalene	-	R00687
		67922-22-9	1,2,5,6-Tetrachloronaphthalene	-	R00688
		67922-23-0	1,2,5,7-Tetrachloronaphthalene	-	R00689

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG058	Halogenated Flame Retardants	67922-24-1	1,2,6,8-Tetrachloronaphthalene	-	R00690
		67922-25-2	1,2,3,4,5-Pentachloronaphthalene	-	R00691
		67922-26-3	1,2,3,4,6-Pentachloronaphthalene	-	R00692
		67922-27-4	1,2,3,4,5,7-Hexachloronaphthalene	-	R00693
		68441-46-3	1,3-Butadiene homopolymer,brominated	-	R00694
		68928-80-3	Heptabromodiphenyl ether C12H3Br7O	-	R00695
		68955-41-9	Bromo-/Chloro-paraffins	-	R00696
		69882-11-7	Poly(2,6-dibromo-phenylene oxide)	-	R00697
		70682-74-5	TBBA-TBBA-diglycidyl-ether oligomer	-	R00698
		70776-03-3	Polychlorinated naphthalenes	-	R00699
		71011-12-6	Alkanes, C12-13, chloro	-	R00700
		71342-77-3	TBBA carbonate oligomer, 2,4,6-tribromo-phenol terminated	-	R00701
		75790-69-1	TBPA, glycol-and propylene-oxide esters	-	R00702
		79-94-7	Tetrabromobisphenol A (TBBPA)	-	R00703
		82600-56-4	Bromo-/Chloro-alpha-olefin	-	R00704
		84852-53-9	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene]	-	R00705
		85535-84-8	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	-	R00706
		87-83-2	Pentabromo-toluene	-	R00707
		90-13-1	1-Chloronaphthalene	-	R00708
		90948-28-0	1,2,4,5,6,8-Hexachloronaphthalene	-	R00709
		91-58-7	2-Chloronaphthalene	-	R00710
		92-66-0	4-Bromobiphenyl	-	R00711
		92-86-4	1,1'-Biphenyl, 4,4'-dibromo-	-	R00712
		94334-64-2	TBBA carbonate oligomer, phenoxy end capped	-	R00713
		96-13-9	2,3-dibromopropan-1-ol; 2,3-dibromo-1-propanol	-	R00714
		-	Others	-	-
SG059	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	3648-18-8	Dioctyltin dilaurate	-	R00716
		91648-39-4	Stannane, dioctyl-, bis(coco acyloxy) derivs.	-	R00717

Attachment 3. Illustrative List of Regulated Chemical Substances

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG059	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.	-	R00718
SG060	Medium-chain chlorinated paraffins (MCCP)	85535-85-9	Alkanes, C14-17, chloro	-	R00719
		-	di-, tri- and tetrachlorotetradecane	-	R00720
		198840-65-2	Tetradecane, chloro derivs.	-	R00721
		1372804-76-6	Alkanes, C14-16, chloro	-	R00722
SG061	orthoboric acid, sodium salt	25747-83-5	boric acid (H3BO3), sodium salt, hydrate	-	R00725
		22454-04-2	Boric acid (H3BO3), disodium salt	-	R00726
		14312-40-4	Trisodium orthoborate	-	R00727
		1333-73-9	Boric acid, sodium salt	-	R00728
		13840-56-7	Orthoboric acid, sodium salt	-	R00729
		14890-53-0	Boric acid (H3BO3), sodium salt (1:1)	-	R00730
SG064	4-Nonylphenol, branched and linear	84852-15-3	Phenol, 4-nonyl-, branched	-	R00731
		30784-30-6	p-(1,1-dimethylheptyl)phenol	-	R00732
		142731-63-3	4-(1-Ethyl-1,4-dimethylpentyl)phenol	-	R00733
		186825-36-5	4-(1-Ethyl-1,3-dimethylpentyl)phenol	-	R00734
		52427-13-1	4-(1-ethyl-1-methylhexyl)phenol	-	R00735
		26543-97-5	p-isononylphenol	-	R00736
		17404-66-9	p-(1-methyloctyl)phenol	-	R00737
		104-40-5	p-nonylphenol	-	R00738
		90481-04-2	Phenol, nonyl-, branched	-	R00739
		186825-39-8	4-(3-ethylheptan-2-yl)phenol	-	R00740
		521947-27-3	4-(1,1,5-Trimethylhexyl)phenol	-	R00741
		25154-52-3	Nonylphenol	-	R00742
		11066-49-2	Isononylphenol	-	R00743
SG065	C9-C14 PFCAs and their salts	2058-94-8	Undecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-henicosafluoro-	-	R00744
		21049-39-8	Perfluorononan-1-oic acid, sodium salt	-	R00745
		307-55-1	Dodecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-tricosafluoro-	-	R00746
		3108-42-7	Ammonium nonadecafluorodecanoate	-	R00747
		335-76-2	Decanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-	-	R00748
		375-95-1	Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-	-	R00749
		376-06-7	Tetradecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-heptacosafluoro-	-	R00750
		3830-45-3	Sodium nonadecafluorodecanoate	-	R00751
		4149-60-4	Perfluorononan-1-oic acid, ammonium salt	-	R00752

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG065	C9-C14 PFCAs and their salts	72629-94-8	Tridecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-pentacosafluoro-	-	R00753
SG066	C9-C14 PFCA-related substances	16486-96-7	Dodecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluoro-11-(trifluoromethyl)-	-	R00754
		1765-48-6	Undecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-eicosafluoro-	-	R00755
		18024-09-4	Tetradecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-hexacosafluoro-13-(trifluoromethyl)-	-	R00756
		307-71-1	Undecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-eicosafluoro-, potassium salt	-	R00757
		3658-63-7	Decanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-octadecafluoro-9-(trifluoromethyl)-, ammonium salt	-	R00758
		3793-74-6	Ammonium tricosafluorododecanoate	-	R00759
		68015-87-2	Dodecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluoro-11-(trifluoromethyl)-, compd. With ethanamine (1:1)	-	R00760
		115592-83-1	2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, hexadecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate	-	R00761
		125328-29-2	2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and perfluoro-C8-14-alkyl acrylate	-	R00762
		129783-45-5	2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and gamma-omega perfluoro-C8-14-alkyl acrylate	-	R00763
		144031-01-6	2-Propenoic acid, dodecyl ester, polymers with Bu (1-oxo-2-propenyl)carbamate and gamma-omega-perfluoro-C8-14-alkyl acrylate	-	R00764
		15811-52-6	Dodecanoyl fluoride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluoro-11-(trifluoromethyl)-	-	R00765
		16083-87-7	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-211etrieve-14-(trifluoromethyl)pentadecyl acrylate	-	R00766
		17741-60-5	2-Propenoicacid,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecylester	-	R00767
		1895-26-7	Bis[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl] hydrogen phosphate	-	R00768
		2043-54-1	Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-12-iodo-	-	R00769
		2144-54-9	2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester	-	R00770
		30046-31-2	Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafluoro-14-iodo-	-	R00771
		307-50-6	Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-tricosafluoro-11-iodo-	-	R00772
		307-60-8	Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafluoro-12-iodo-	-	R00773

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Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG066	C9-C14 PFCA-related substances	307-63-1	Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafluoro-14-iodo-	-	R00774
		3248-61-1	Dodecane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-tetracosafluoro-12-iodo-2-	-	R00775
		3248-63-3	Tetradecane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-octacosafluoro-14-iodo-2-	-	R00776
		335-79-5	Pentadecane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-hentriacontafluoro-15-iodo-	-	R00777
		376-04-5	Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13-heptacosafluoro-13-iodo-	-	R00778
		39239-77-5	1-Tetradecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluoro-	-	R00779
		423-62-1	Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-10-iodo-	-	R00780
		4980-53-4	2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorohexadecyl ester	-	R00781
		52956-82-8	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)tetradecyl acrylate	-	R00782
		558-97-4	Nonane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-9-iodo-	-	R00783
		6014-75-1	2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl ester	-	R00784
		60699-51-6	1-Hexadecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluoro-	-	R00785
		63295-27-2	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafluoro-2-hydroxy-12-(trifluoromethyl)tridecyl dihydrogen phosphate	-	R00786
		63295-28-3	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl dihydrogen phosphate	-	R00787
		65104-45-2	2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10-heptadecafluorodecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6, 7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate	-	R00788
		65510-55-6	Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafluoro-16-iodo-	-	R00789
		65510-56-7	Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-11-iodo-	-	R00790
		677-93-0	Decane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-eicosafluoro-10-iodo-2-(trifluoromethyl)-	-	R00791
		68025-62-7	Tetradecanoyl fluoride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-hexacosafluoro-13-(trifluoromethyl)-	-	R00792

Attachment 3. Illustrative List of Regulated Chemical Substances

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG066	C9-C14 PFCA-related substances	68155-54-4	2H-Pyran, 2,2,3,3,4,4,5,5,6-nonafluorotetrahydro-6-(nonadecafluorononyl)-	-	R00793
		68188-12-5	Alkyl iodides, C4-20, gamma-omega-perfluoro	-	R00794
		68333-92-6	Fatty acids, C7-13, perfluoro	-	R00795
		68390-33-0	Alkyl iodides, C10-12, gamma-omega-perfluoro	-	R00796
		68412-68-0	Phosphonic acid, perfluoro-C6-12-alkyl derivs.	-	R00797
		68412-69-1	Phosphinic acid, bis(perfluoro-C6-12-alkyl)derivs.	-	R00798
		71356-38-2	1-(carboxylatomethyl)-1-(2-hydroxyethyl)-4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-1-oxodecyl)piperazinium	-	R00799
		72968-38-8	Fatty acids, C7-13, perfluoro, ammonium salts	-	R00800
		74256-14-7	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-icosafluoro-11-(trifluoromethyl) dodecyl methacrylate	-	R00801
		74256-15-8	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)tetradecyl methacrylate	-	R00802
		85631-54-5	2-Propenoic acid, gamma-omega-perfluoro-C8-14-alkyl esters	-	R00803
		85681-64-7	2-Propenoic acid, perfluoro-C8-16-alkyl esters	-	R00804
		865-86-1	1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-	-	R00805
		90622-71-2	Alkyl iodides, C6-18, perfluoro	-	R00806
		90622-99-4	Amides, C7-19, α-ω-perfluoro-N,N-bis(hydroxyethyl)	-	R00807
		91032-01-8	Fatty acids, C7-19, perfluoro	-	R00808
		93062-53-4	Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs., aluminum salts	-	R00809
		93776-00-2	1,1'-[oxybis[(1-methylethylene)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoropentadecan-2-ol]	-	R00810
		93776-12-6	(2-carboxylatoethyl)(dimethyl)[3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-2-hydroxypentadecyl)amino]propyl]ammonium	-	R00811
		93776-13-7	(2-carboxylatoethyl)[3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluoro-2-hydroxytridecyl)amino]propyl dimethylammonium	-	R00812
		93776-15-9	(2-carboxylatoethyl)(dimethyl)[[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl]amino]propyl]mmonium	-	R00813
		93776-16-0	bis(2-hydroxyethyl)methyl(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-2-hydroxypentadecyl)ammonium iodide	-	R00814
		93776-17-1	[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluoro-2-hydroxytridecan-1-yl][bis(2-hydroxyethyl)]methylammonium iodide	-	R00815
		94158-70-0	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluoro-2-hydroxytridecyl dihydrogen phosphate	-	R00816

Attachment 3. Illustrative List of Regulated Chemical Substances

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
SG066	C9-C14 PFCA-related substances	94159-76-9	bis(2-hydroxyethyl)methyl[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl] ammonium iodide	-	R00817
		94159-79-2	1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoropentadecan-2-ol	-	R00818
		94159-80-5	1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluorotridecan-2-ol	-	R00819
		94159-82-7	1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-14-(trifluoromethyl)pentadecan-2-ol	-	R00820
		94159-83-8	1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafluoro-12-(trifluoromethyl)tridecan-1-ol	-	R00821
		94200-42-7	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-2-hydroxypentadecyl dihydrogen phosphate	-	R00822
		94200-43-8	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafluoro-2-hydroxyheptadecyl dihydrogen phosphate	-	R00823
		94200-46-1	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluoro-2-hydroxytridecyl phosphate	-	R00824
		94200-47-2	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-2-hydroxypentadecyl phosphate	-	R00825
		94200-48-3	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafluoro-2-hydroxyheptadecyl phosphate	-	R00826
		94200-50-7	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafluoro-2-hydroxy-12-(trifluoromethyl)tridecyl phosphate	-	R00827
		94200-51-8	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl phosphate	-	R00828
-	Perfluorohexane sulfonic acid (PFHxS) and their salts	-	Refer to the following items on pages of Stockholm CONVENTION Non-exhaustive lists of perfluorohexane sulfonic acid and its related substances POPs Convention http://chm.pops.int/TheConvention/POPsReviewCommittee/Meetings/POPRC14/POPRC14Followup/tabid/7686/Default.aspx REACH Regulation Annex 17 Draft https://echa.europa.eu/documents/10162/4e84f904-7cd7-9be6-dd9b-2cc711c0859b	-	-

Attachment 3. Illustrative List of Regulated Chemical Substances

Substance group ID	Substance group	CAS No Note 3	Substance	Subject element's Conversion factor	IEC62474 RSL ID
-	PFHxS related substances	-	Refer to the following items on pages of Stockholm CONVENTION Non-exhaustive lists of perfluorohexane sulfonic acid and its related substances POPs Convention http://chm.pops.int/TheConvention/POPsReviewCommittee/Meetings/POPRC14/POPRC14Followup/tabid/7686/Default.aspx REACH Regulation Annex 17 Draft https://echa.europa.eu/documents/10162/4e84f904-7cd7-9be6-dd9b-2cc711c0859b	-	-

Attachment 4. Certificate of Non-inclusion

SAMPLE

To: OMRON Corporation

Certificate of Non-inclusion for Regulated Substances

Date:
Company:
Department:
Title:

Signature:
Telephone:

We hereby certify that the chemical substances cited below are not contained in our products, parts or materials that we (including our subsidiary and affiliated companies) supply to OMRON Corporation (including its subsidiary and affiliated companies).

1. Subject chemical substances

Chemical substances listed in "Attachment 1. List of Regulated Chemical Substances" in OMRON's Investigation Manual for Regulated Chemical Substances (**Version 4.9**).

Banned substances (A rank) / applications : 51 substances (substance groups)
Non-use substances / applications (A1 rank) : 5 substances

* It is confirmed that these are not used in the applications defined for A and A1 ranks.
* With the premise that OMRON Corporation shall not use Nickel and Phthalates Group 2 in any applications defined for A and A1 ranks.

2. Subject products, parts or materials

	OMRON Product Number	Product Name	Remarks
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

* Attach additional sheet, if necessary.

Attachment 5. Declaration for Phase-out

SAMPLE

To: OMRON Corporation

Declaration of Phase-out of Regulated Substances

Date:
Company:
Department:
Title:

Signature:
Telephone:

We hereby pledge that we (including our subsidiary and affiliated companies) have verified that banned substances (A rank) cited below are not contained in the following products, parts or materials delivered to OMRON Corporation (including its subsidiaries) and are committed to attaining the goal for phasing out the following non-use substances (A1 rank) still contained in the aforesaid.

1. Subject Substances

Chemical substances listed in "Attachment 1. List of Regulated Chemical Substances" in OMRON's Investigation Manual for Regulated Chemical Substances (**Version 4.9**).

Banned substances / applications (A rank) : 51 substances (substance groups)
Non-use substances / applications (A1 rank) : 5 substances

* It is confirmed that these are not used in the applications defined for A and A1 ranks.
* With the premise that OMRON Corporation shall not use Nickel and Phthalates Group 2 in any applications defined for A and A1 ranks.

2. Target products, parts or materials

	OMRON Product Number	Product Name	Remarks	Substance	Application Code (laws & regulation / Code) in Exempted Application	Deadline for Non-use (MM/YYYY)
1						
2						
3						
4						
5						
6						
7 8						
9						
10						
11						
12						
13						
14						
15						

* Attach additional sheet, if necessary.

Attachment 6. Specification Change Request (SCR)

SAMPLE

SPECIFICATION CHANGE REQUEST (SCR)

№ _____

TO _____ From(Company name) _____

Title	Written	Checked	Approved

Type	Part name	Drawing/Specification No.

Reason for request/Contents

Answer by_____(date)

Answer(Consider results)	Written	Checked	Approved

Result

□Design change (date)

□Not Design change (Permission the existing)

Division to be contracted for reference	Purchasing	IE	QA	Production Engineering	Production	Planning

SCR : Specification Change Request

OMRON

Pro-479 QE E

Attachment 7. Process Change Report(PCR)

SAMPLE

PROCESS CHANGE REPORT(PCR)

OMRON

Date _____ No. _____

From(Company name)

TO _____ _____

Written:	Checked:

Type	Part name	Parts code No.(drawing No.)

Change classification
☐Change in manufacture place ☐change in manufacture method ☐Renewal or modification of die

Reason		
	Effective date of change	
	Lot No.	
	Change in QA standers	☐QC process chart ☐Inspection standards ☐Representative sample

Present method	Method after change
	Quality check points & result

Opinion & requirement	Checked:

For OMRON use

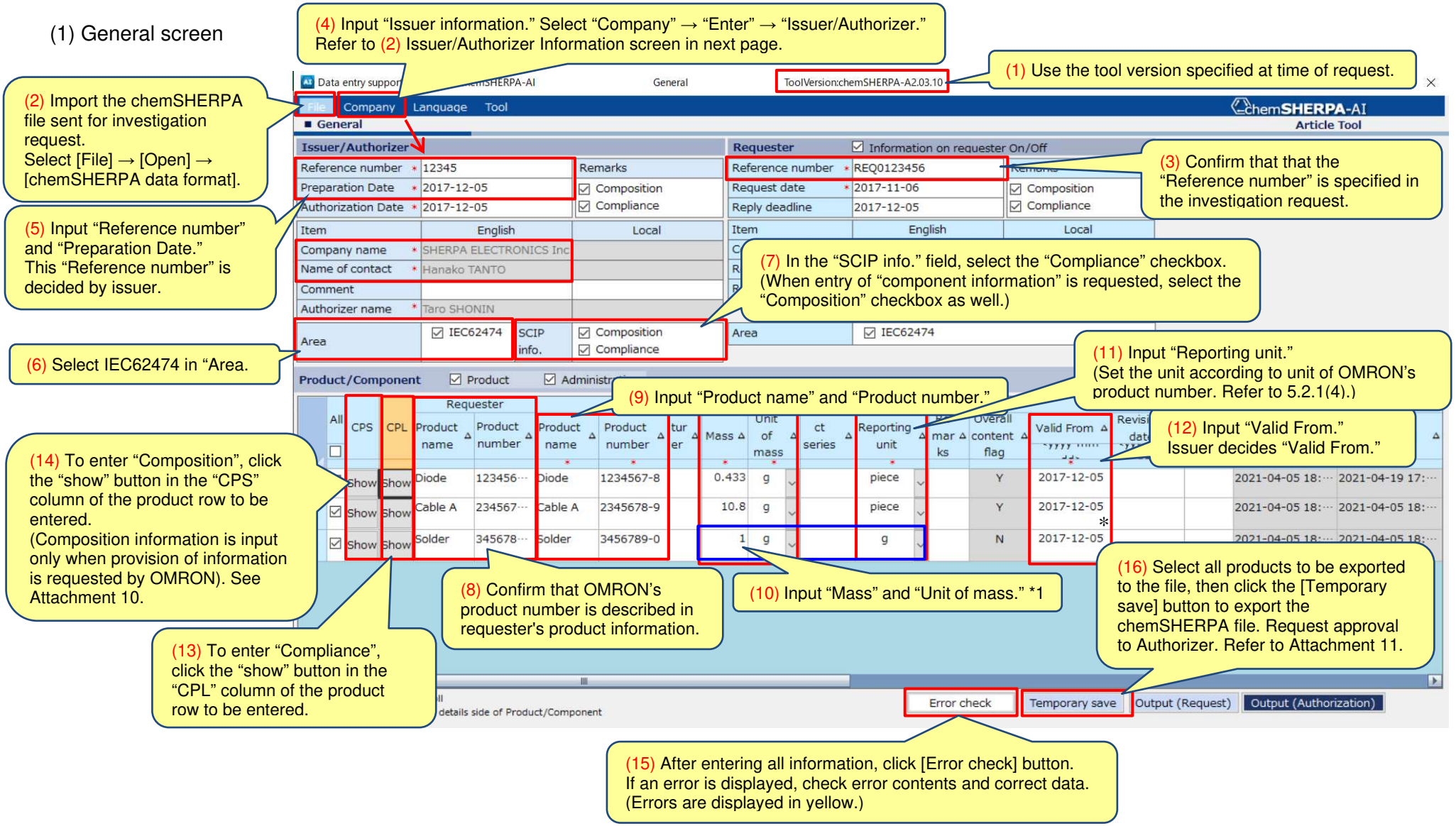
Indications for receiving inspection	indicator	Result of receiving inspection

Pro455 QE E

Attachment 8. Procedure to Prepare chemSHERPA-AI File (General) and its Example (Edit by manufacturer's issuer)

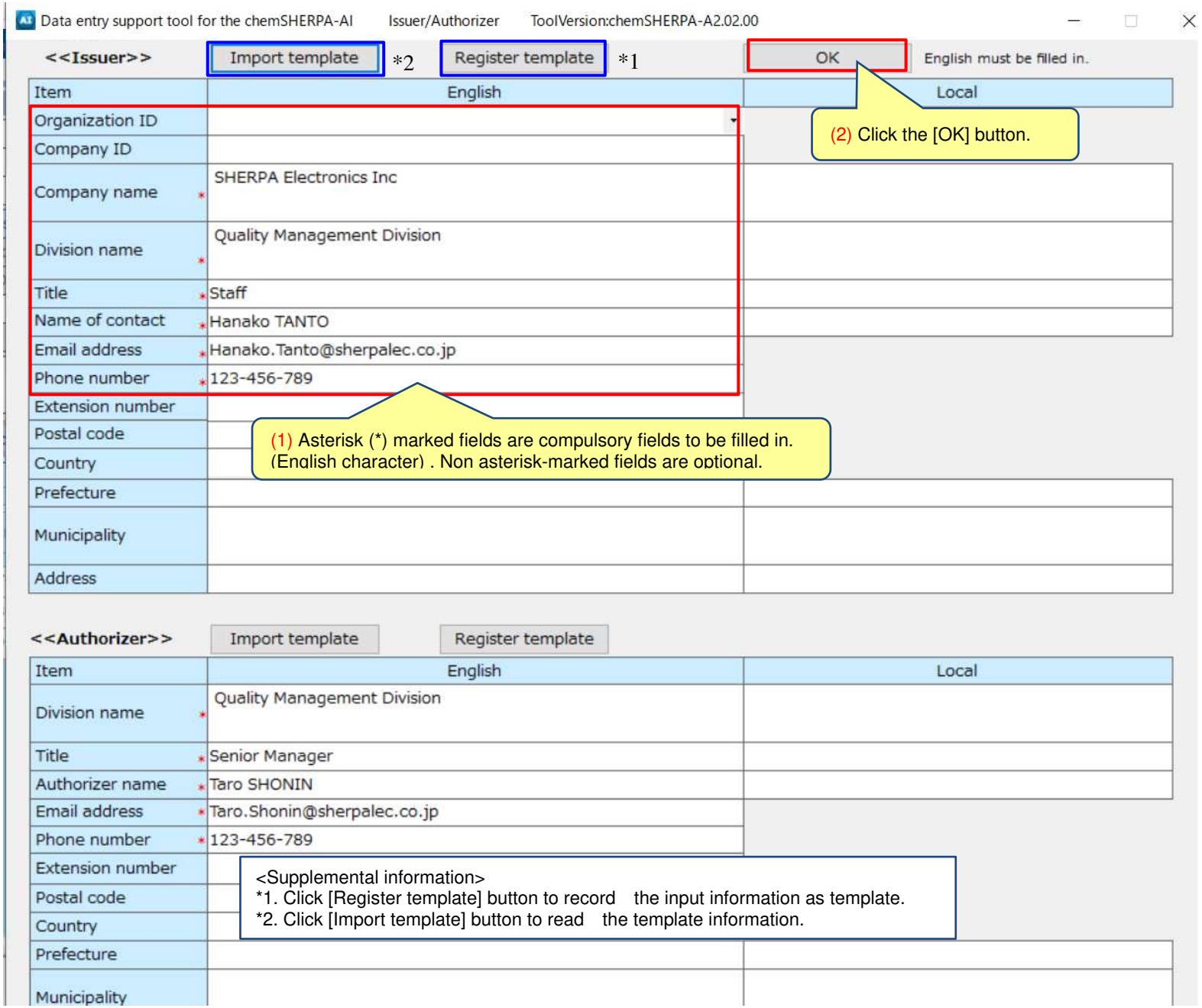
Procedure for preparing and example of preparation are as follows. (Input is mandatory for items with *).
Refer to various chemSHERPA manuals if necessary.

(1) General screen



<Supplemental information>
*1. When selecting mass series (g, kg) in “Reporting unit,” select the same unit as “Reporting unit” for “Mass unit” and be sure to set “1” for “Mass.”

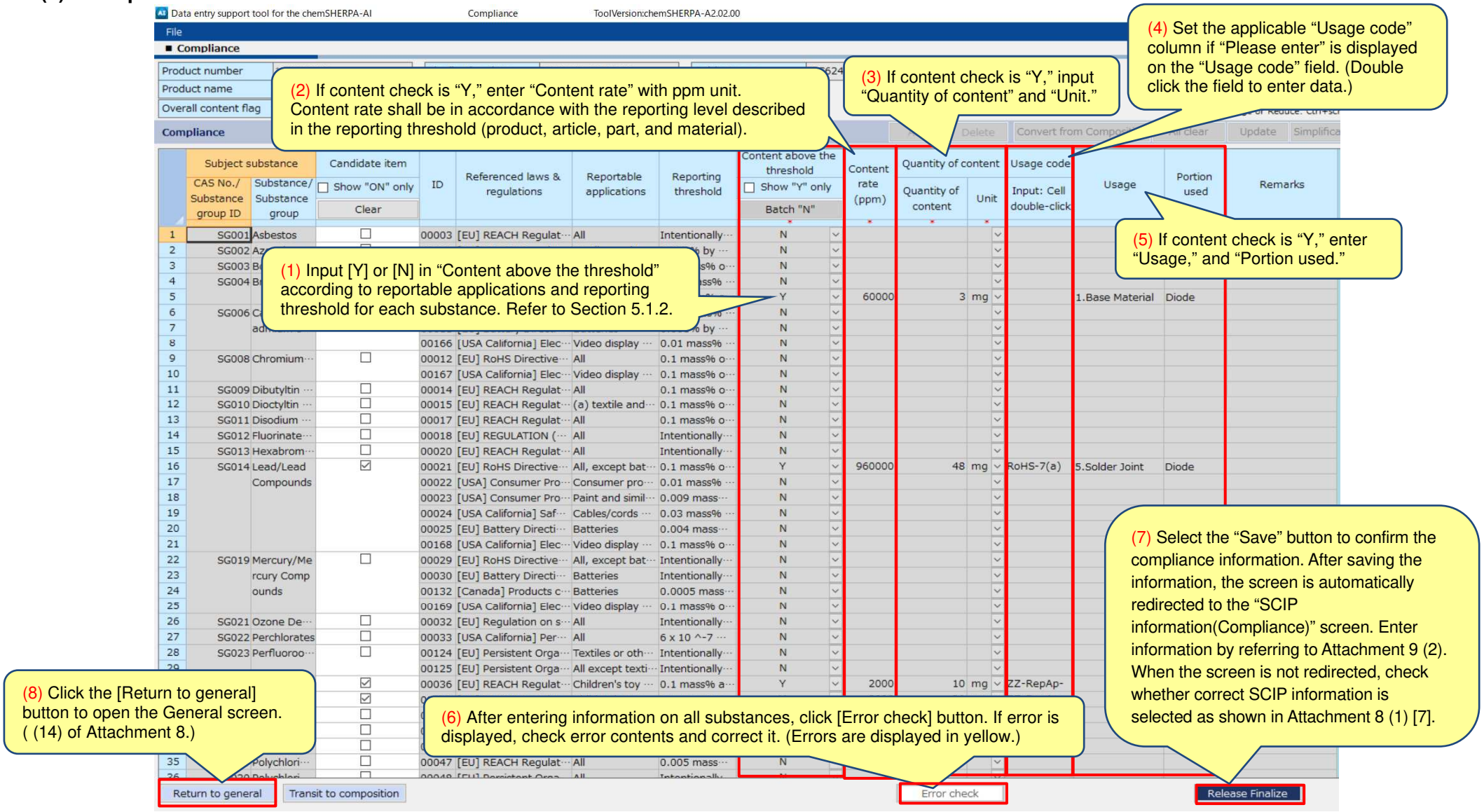
(2) Issuer/Authorizer screen



Attachment 9. Procedure to Prepare chemSHERPA-AI File (Compliance) and its Example (Edit by manufacturer's issuer)

Procedure for preparing and example of preparation are as follows. (Input is mandatory in fields marked with *)
Refer to various chemSHERPA manuals if necessary.

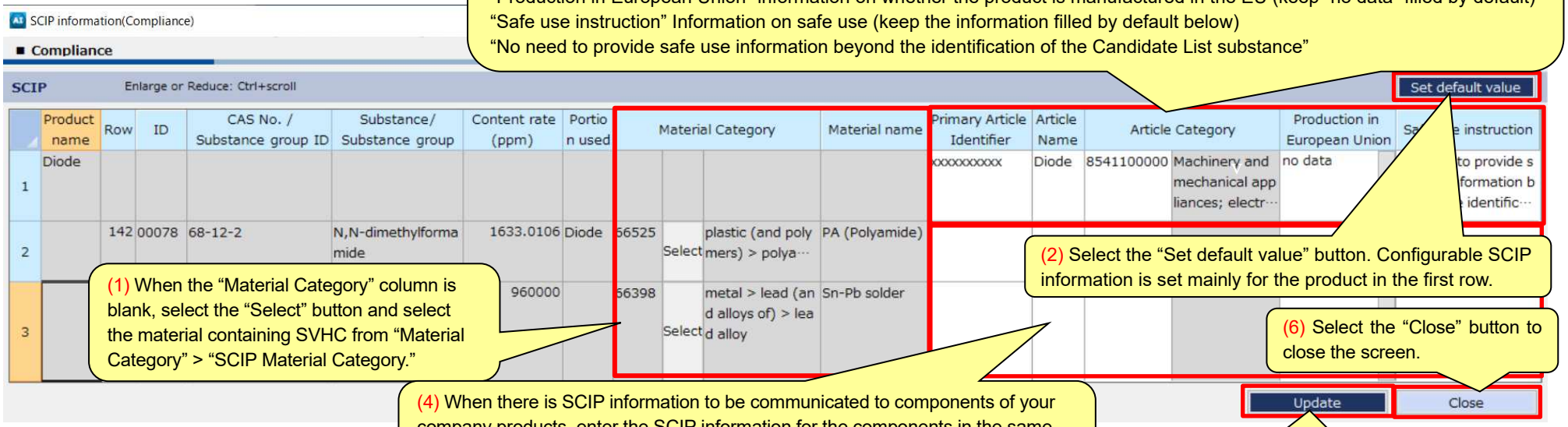
(1) Compliance information screen



<Supplementary information>
For preparing compliance information, following methods are available in addition to this procedure: "converting chemSHERPA composition information to compliance information."Refer to "Manual for preparing chemSHERPA molded product data" for details.

(2) SCIP information(Compliance) screen

(a) When SVHC is contained



(3) Enter the SCIP information of your company's product in row 1 (five items below).
"Primary Article Identifier" Product model (identifiable code such as model and part number)
"Article Name" Product name (single-byte alphanumeric characters)
"Article Category" TARIC code (6 to 10-digit number) *1
"Production in European Union" information on whether the product is manufactured in the EU (keep "no data" filled by default)
"Safe use instruction" Information on safe use (keep the information filled by default below)
"No need to provide safe use information beyond the identification of the Candidate List substance"

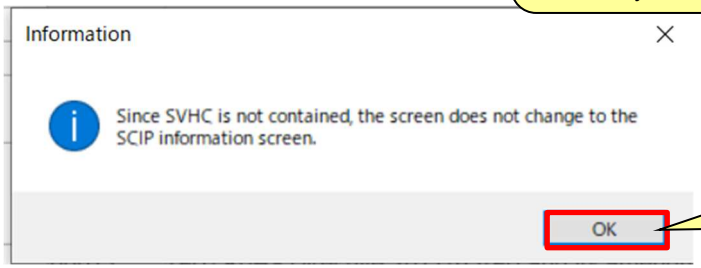
(2) Select the "Set default value" button. Configurable SCIP information is set mainly for the product in the first row.

(1) When the "Material Category" column is blank, select the "Select" button and select the material containing SVHC from "Material Category" > "SCIP Material Category."

(6) Select the "Close" button to close the screen.

(4) When there is SCIP information to be communicated to components of your company products, enter the SCIP information for the components in the same manner as in (3). If not, the SCIP information entered in (5) is automatically entered by selecting the "Update" button in (3). *2

(b) When SVHC is not contained



(5) Select the "Update" button. When an error appears, check the error description and correct the data.
* The cell containing the error turns yellow.
* "Finalize(with SCIP info)" appears in the "Data entry status - Compliance" column of the General screen.

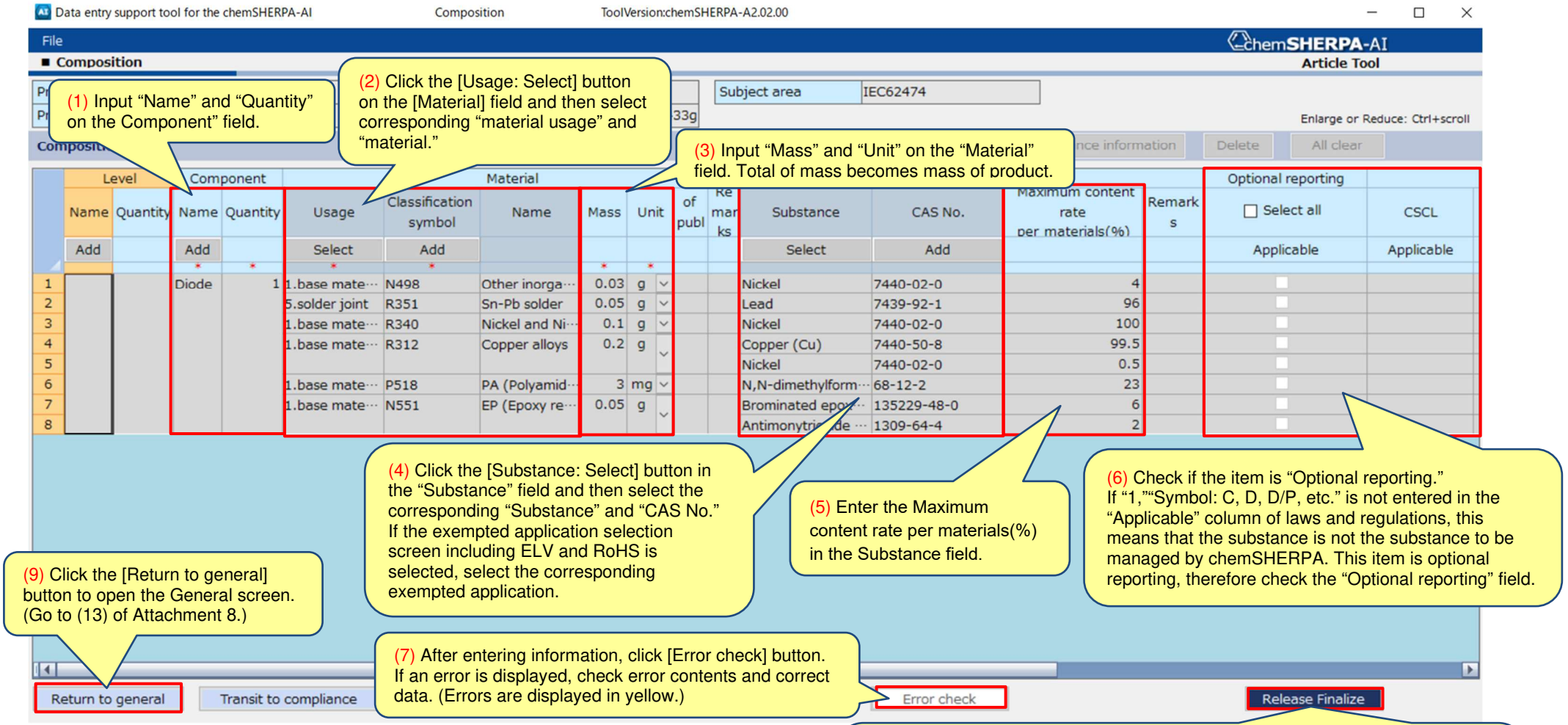
(1) Select the "OK" button.
* "Finalize(with SCIP info)" appears in the "Data entry status - Compliance" column of the General screen.

<Supplement>
*1 TARIC code indicates the EU common tariff. The first 6 digits of the TARIC code are the international harmonization code (HS code), and it is recommended to check the HS code used for import and export. When it is difficult to enter 10 digits, you can register an 8-digit code or a 6-digit code. (For example, when the code consists of six digits: 854110**0000**)
TARIC: https://ec.europa.eu/taxation_customs/dds2/taric/taric_consultation.jsp?Lang=en
HS code (tariff schedule of Japan): (Japanese) https://www.customs.go.jp/tariff/index.htm
: (English) https://www.customs.go.jp/english/tariff/index.htm
*2 To register SCIP information for a component that is different from that of the product, fill in the blanks in (4) with the required information. When the SCIP information is the same as the product, entry is not required here.

Attachment 10. Procedure to Prepare chemSHERPA-AI File (Composition) and its Example (Edit by manufacturer's issuer)

Procedure for preparing and example of preparation are as follows. (Input is mandatory for items with *). Refer to various chemSHERPA manuals if necessary.

(1) Component information screen

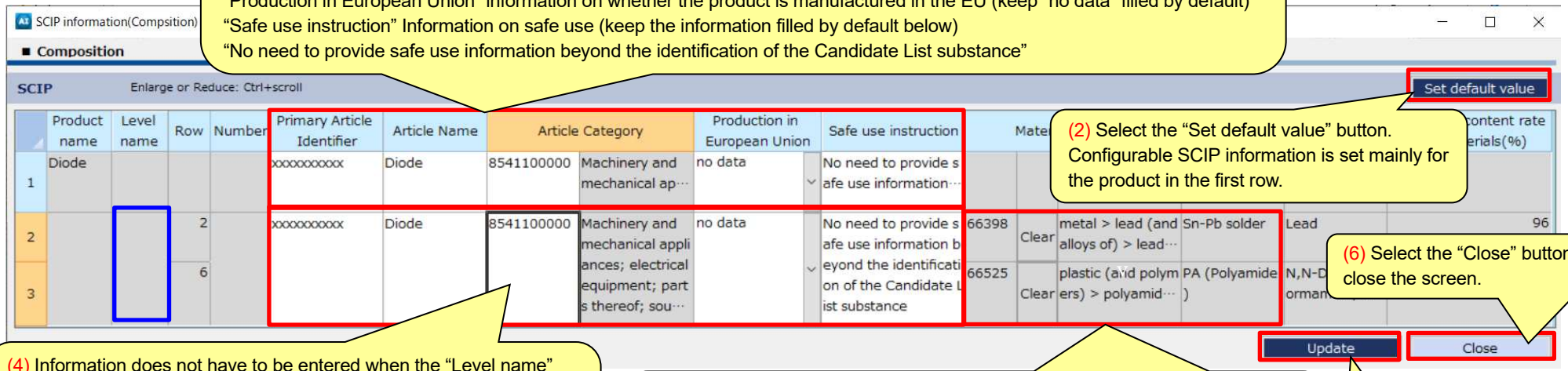


<Supplementary information>
Consistency of composition information and data of compliance needs to be ensured when preparing composition information.

(2) SCIP informati

(a) When SVHC is

(3) Enter the SCIP information of your company's product in row 1 (five items below).
"Primary Article Identifier" Product model (identifiable code such as model and part number)
"Article Name" Product name (single-byte alphanumeric characters)
"Article Category" TARIC code (6 to 10-digit number) *1
"Production in European Union" information on whether the product is manufactured in the EU (keep "no data" filled by default)
"Safe use instruction" Information on safe use (keep the information filled by default below)
"No need to provide safe use information beyond the identification of the Candidate List substance"



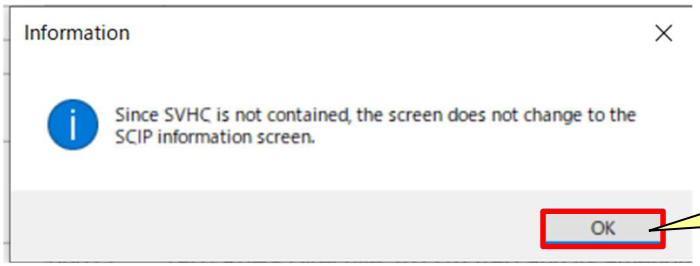
(2) Select the "Set default value" button. Configurable SCIP information is set mainly for the product in the first row.

(6) Select the "Close" button to close the screen.

(4) Information does not have to be entered when the "Level name" column is blank. The SCIP information entered in (5) is automatically entered by selecting the "Update" button in (3). When the "Level name" column has information, enter the SCIP information for the level name in the same manner as(3).

(1) When the "Material Category" column is blank, select the "Select" button and select the information of the material containing SVHC from "SCIP Material Category." However, when it is judged that SCIP information does not need to be communicated, use the "Clear" or "Select" button and clear the information from the "Material Category" column.

(5) Select the "Update" button. When an error appears, check the error description and correct the data.
* The cell containing the error turns yellow.
* "Finalize(with SCIP info)" appears in the "Data entry status - Composition" column of the General screen.



(1) Select the "OK" button.
* "Finalize(with SCIP info)" appears in the "Data entry status - Composition" column of the General screen.

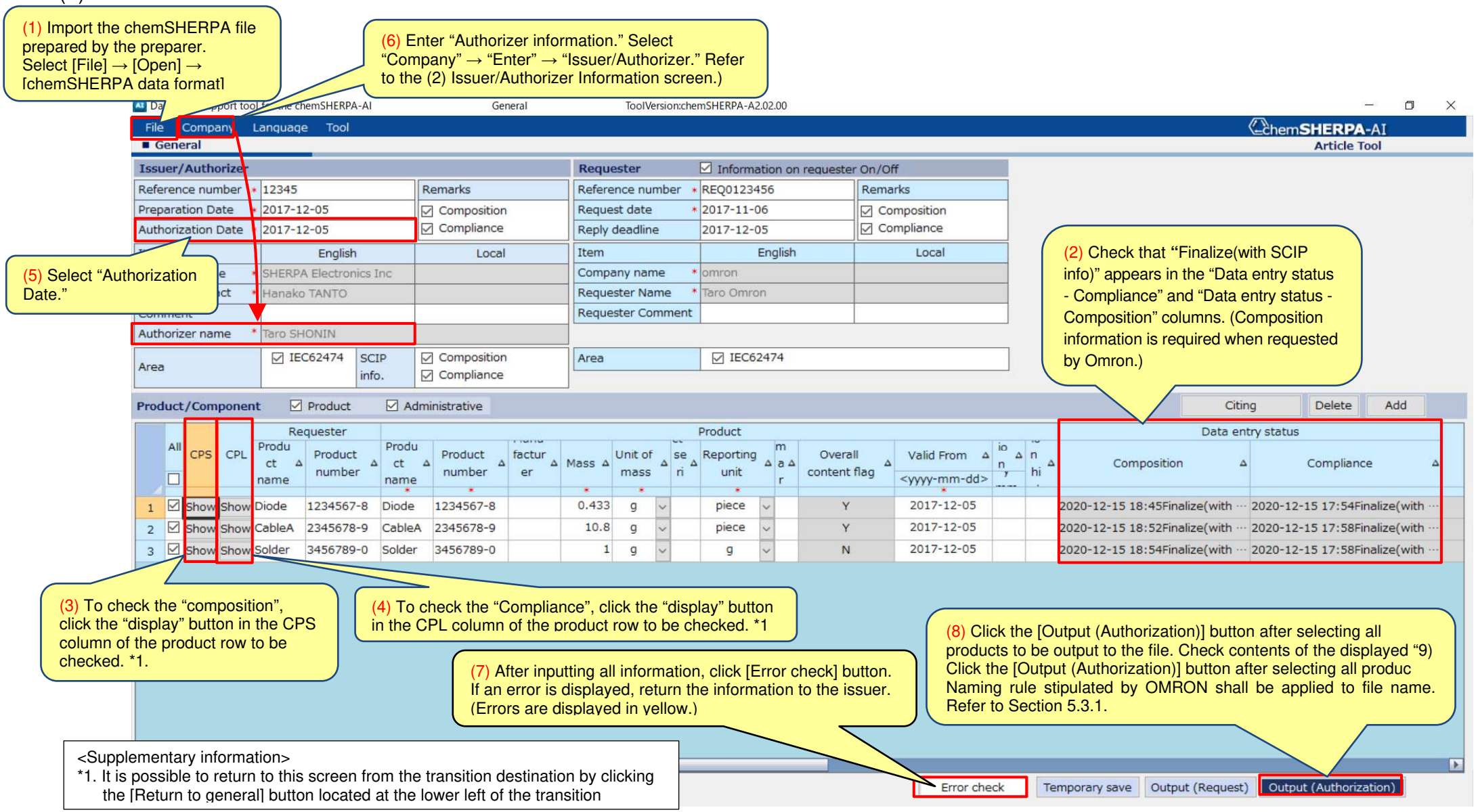
<Supplement>
*1 TARIC code indicates the EU common tariff. The first 6 digits of the TARIC code are the international harmonization code (HS code), and it is recommended to check the HS code used for import and export. When it is difficult to enter 10 digits, you can register an eight or six-digit code. Add 0s to the end and make it into a 10-digit code. (For example, when the code consists of six digits: 854110**0000**).
TARIC : https://ec.europa.eu/taxation_customs/dds2/taric/taric_consultation.jsp?Lang=en
HS code (tariff schedule of Japan): (Japanese) https://www.customs.go.jp/tariff/index.htm
: (English) https://www.customs.go.jp/english/tariff/index.htm

Attachment 11. Procedure to Prepare chemSHERPA-AI File (General) and its Example (Edit by manufacturer's authorizer)

Procedure for preparing and example of preparation are as follows. (Input is mandatory for items with *)

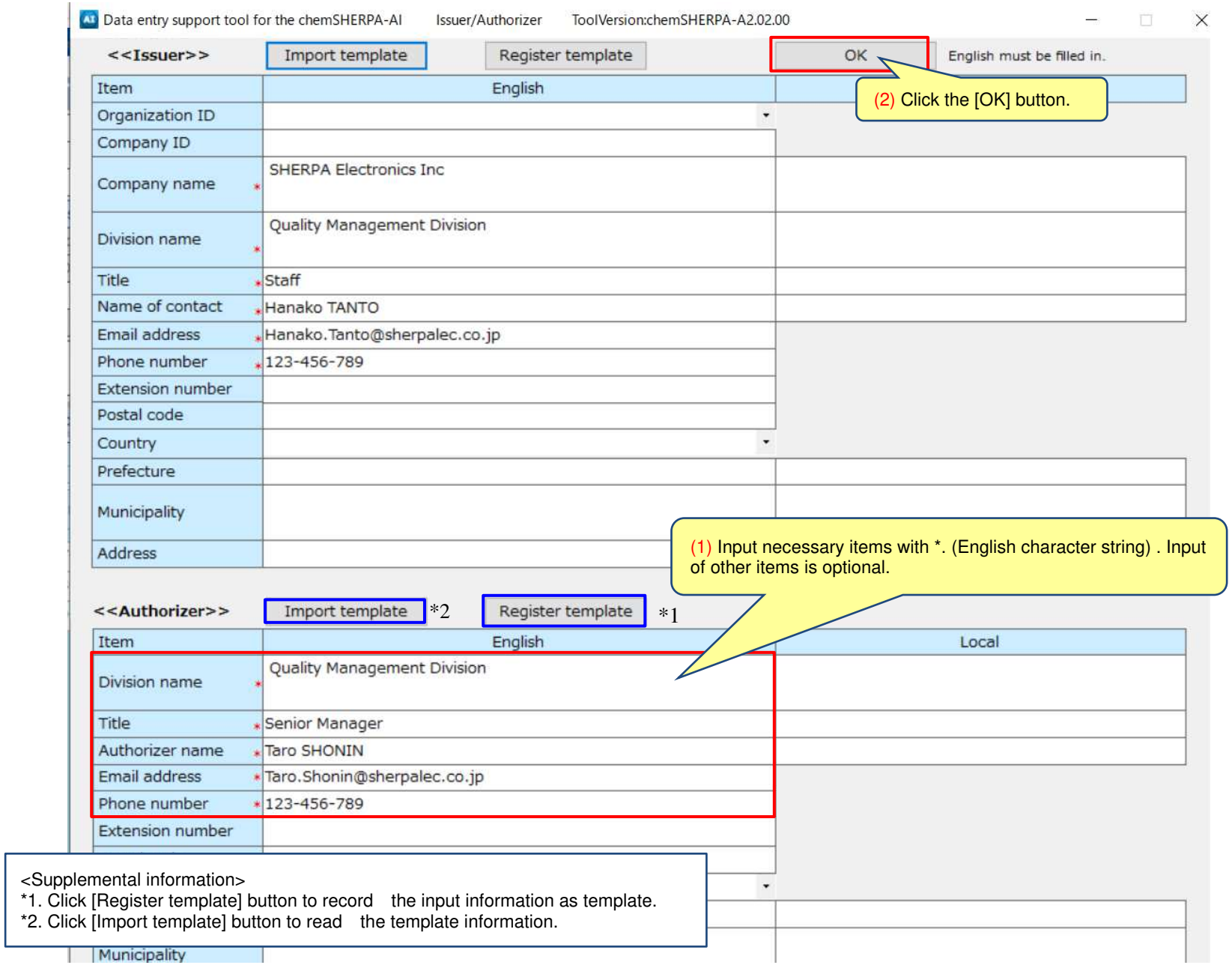
Refer to various chemSHERPA manuals if necessary.

(1) General screen



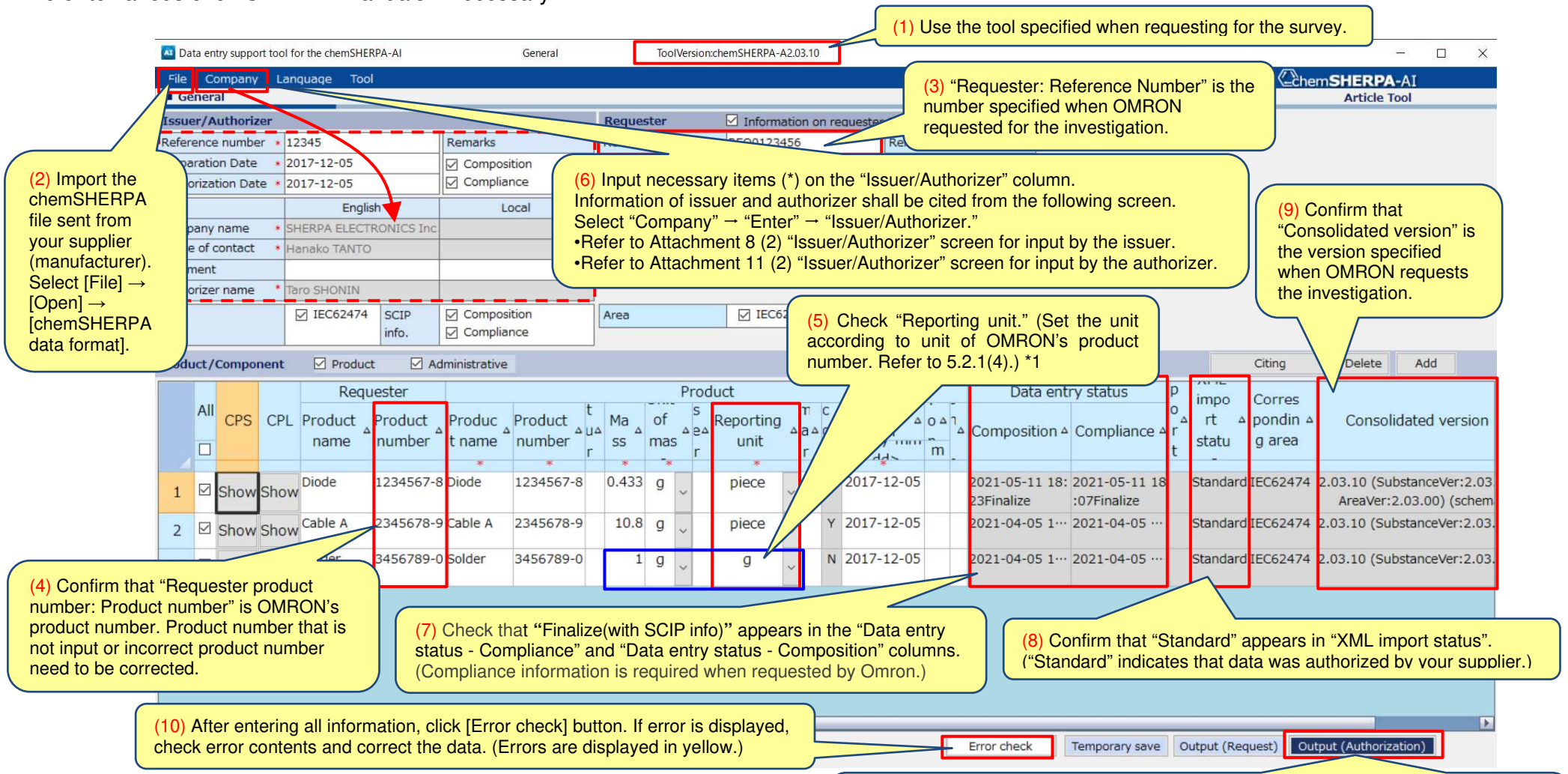
<Supplementary information>
*1. It is possible to return to this screen from the transition destination by clicking the [Return to general] button located at the lower left of the transition

(2) Issuer/Authorizer screen



Attachment 12. Procedure to Prepare chemSHERPA-AI File (General) and its Example (Edit by trading firm)

Procedure for preparing and example of preparation are as follows. (Input is mandatory for items with *)
Refer to various chemSHERPA manuals if necessary.



<Supplemental information>
*1. When selecting mass series (g, kg) in "Reporting unit," select the same unit as "Reporting unit" for "Mass unit" and be sure to set "1" for "Mass."