FUJIFILM

FUJIFILM Business Innovation Green Procurement Standard

Ver. 5.0

FUJIFILM Group
Green Policy

May 2026

FUJIFILM Business Innovation Corp.
Environment & Product Safety

Revision History

Revision No.	Details	Date of Revision
Ver.1.0	Issued by changing the company name	April, 2021
Ver.2.0	1. Added the following 10 substance groups to the list of restricted chemical substances ・C9-C14 PFCA and its salts and related substances ・PFHxS and its salts and related substances ・Long-chain perfluoroalkylcarboxylic acid (LCPFAC) and perfluoroalkyl sulfonic acid compounds ・Fluorinated greenhouse gases (PFC, SF6, HFC) ・Mineral oil aromatic hydrocarbons (MOAH) consisting of 1~7 aromatic rings ・16 to 35 carbon atoms saturated hydrocarbons (MOSH) ・Tris(isopropylphenyl) phosphate (PIP(3:1)) ・Pentachlorothiophenol (PCTP) 2. Revised prohibition threshold values as stipulated by laws and regulations ・Short chain chloride paraffin (C10-13) ・Polychlorinated terphenyl chloride ・Dimethyl fumarate ・Trisubstituted organotin compounds ・Dibutyltin compounds (DBT), dioctyltin compounds (DOT) ・Cadmium, mercury (only batteries changed) 3. Revised in line with FUJIFILM's Green Procurement Standard Form ・ ・Modify the contents of a request to a business partner ・Deletion of references to recycling policies and details of analysis methods ・Consolidated tables of laws and regulations related to environmentally managed substances into Appendix 1 ・Organized the list of exempted applications of prohibited substances ・Deleted the lists of controlled substances, regulated substances in manufacturing process, and exemplary chemical substances	February, 2023

Revision No.	Details	Date of Revision
Ver.3.0	1. Added the following 2 substance groups to the list of restricted chemical substances (Table 1) ・Dechlorane Plus ・UV-328 2. Revised goods/parts applied of the restricted chemical substances (Table 1) ・Tris (isopropylphenyl) phosphate(PIP(3:1)) 3. Revised restriction values of the restricted chemical substances (Table 1) ・Cyanide compounds ・Pentachlorophenol (PCP) ・Polychlorinated biphenyls(PCBs) ・Ozone depleting substances ・Benzene ・Hexachlorobenzene ・1,1,2-Trichloroethane ・Brominated flame retardants(exclude PBBs, PBDEs, HBCDD) ・Polyvinyl chloride(PVC） ・Radioactive substances ・Phenol,2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl) (CAS No.3846-71-7) ・Red phosphorus ・Long-chain perfluoroalkyl carboxylic acids (LCPFACs) and Perfluoroalkyl sulfonates ・Fluorinated greenhouse gases (PFC, SF6, HFC) ・Mineral oil aromatic hydrocarbons (MOAH) with 1 to 7 aromatic rings ・Mineral oil saturated hydrocarbons (MOSH) with 16 to 35 carbons 4. Revised exemptions to the latest content (Table 2)	April, 2024
Ver.3.1	1.Correction of error (CAS No. of Hexachlorobenzene, Table 2)	September, 2024

Ver.4.0	1. Added requirements for consumables (Paragraphs 3, 4 and 6, Appendix 1) 2. The following seven substances were added to Appendix 2-a. ・ Medium-chain chlorinated paraffin (MCCP, C14-C17 chlorine content ≥ 45% by weight) ・ Long-chain perfluorocarboxylic acid, its salts and related compounds ・ Elemental chlorine ・ Polyvinylidene chloride ・ Orthophthalates ・ Par and polyfluoroalkyl substances (PFAS) ・ Chlorinated flame retardants 3. The following three substances were removed from Appendix 2-a. ・ Inorganic cyanide compounds ・ Benzene ・ 1,1,2-Trichloroethane 4. Revised the names of substances, applicable laws and regulations, target products, parts, regulatory values, exempted products, and applications in Appendix 2-a in accordance with the latest laws and regulations ・ Asbestos ・ Azo dyes and pigments ・ Short-chain chlorinated paraffin (C10-13) ・ Pentachlorophenol (PCP) and its salts and esters ・ Polychlorinated biphenyls (PCBs) ・ Ozone-depleting substances ・ Hexachlorobenzene ・ Cadmium and its compounds ・ Mercury and its compounds ・ Lead and its compounds ・ Hexavalent chromium compounds ・ Brominated flame retardants (excluding PBBs, PBDEs, and HBCDDs) ・ Polyvinyl chloride (PVC) ・ Perfluorooctane sulfonic acid and its derivatives (PFOS) ・ Bis-2-ethylhexyl phthalate (DEHP) ・ Butyl benzyl phthalate (BBP) ・ Dibutyl phthalate (DBP) ・ Diisobutyl phthalate (DIBP) ・ Hexabromocyclododecane (HBCDD) ・ Specified polycyclic aromatic hydrocarbons (PAHs) ・ Red phosphorus ・ PFOA-related substances ・ Perfluorohexanesulfonic acid (PFHxS) and its salts ・ PFHxS related substances	April, 2025

Revision No.	Details	Date of Revision
	• Long-chain perfluoroalkyl carboxylic acid compounds (LCPFACs) and perfluoroalkyl sulfonic acid compounds • Fluorinated greenhouse gases (PFCs, SF6, HFCs) • Mineral oil aromatic hydrocarbons (MOAHs) consisting of 1~7 aromatic rings • Mineral oil saturated hydrocarbons (MOSH) with 16~35 carbon atoms • Tris(isopropylphenyl) phosphate (PIP(3:1)) • Pentachlorothiophenol (PCTP) • Dechlorane Plus (DP) • UV-328 5. Revised exemptions to the latest content (Table 2-b) 6. Addition of Substances Reported as Contained in Appendix 3 • Per and polyfluoroalkyl substances (PFAS) • Substances of Very High Concern (SVHC)	
Ver.4.1	1.Correction of error (Table 2) • Main Regulations of Short-chained parrafin(C10-13) • Main Regulations of Pentachlorophenol(PCP) and its solts and esters • Exemption/Purposes of Cadmium and its compounds • Thresholds of Mercury and its compounds • Thresholds of Lead and its compounds • Thresholds of Hexavalent chromium compounds • Thresholds of Mercury and its compounds • Thresholds of Perfluorooctane sulfonate compounds Perfluorooctanesulfonic acid and its derivatives (PFOS) • Exemption/Purposes of PFOA related sbstances • Substance name of Dechloran plus • Goods/Parts applied of Polyvinylidene	April, 2025

Revision No.	Details	Date of Revision
Ver.5.0	1. Replace the term from『JAMP』to『CMP Consortium』at 6. Definitions of Terms 2. Following 2 substance is added to Appendix 2-a ・Per- and polyfluoroalkyl substances (PFAS) ・Polymers containing halogens (bromine and chlorine) 3. Revised the names of substances, applicable laws and regulations, target products/parts, regulatory values, exempted products/applications in Appendix 2-a in accordance with the latest laws and regulations, additionally minor correction of typographical errors. ・Short-chain chlorinated paraffins (C10-13) ・Polybrominated diphenyl ethers (PBDEs) ・Polychlorinated biphenyls (PCBs) ・Brominated flame retardants ・Perfluorooctane sulfonic acid and its derivatives (PFOS) ・Dibutyltin compounds（DBT） ・Dioctyltin compounds（DOT） ・C9-C14 PFCA and its salts ・C9-C14 PFCA and its related substances ・Long-chain perfluorocarboxylic acids compounds(LC-PFCAs) and perfluoroalkyl sulfonic acid compounds ・Fluorinated greenhouse gases (PFC, SF6, HFC) ・Dechlorane Plus (DP) ・UV-328 ・Medium-chain chlorinated paraffins ・Long-chain perfluorocarboxylic acids 4. Revised exemptions to the latest content (Appendix 2-b) Application for which FB's product is not used is removed. 5. As appendix 2-c, addition of exemption list for per- and polyfluoroalkyl substances (PFAS) under the European REACH Regulation.	May, 2026

Contents

1. Introduction

FUJIFILM Business Innovation Corp. and its affiliates (hereinafter, FUJIFILM BI) are working hard to reduce its environmental impact and to improve the safety of its products and chemical substances by promoting countermeasures against global warming, managing products containing chemical substances and reuse / recycling of resources. FUJIFILM BI considers meeting these societal demands as an important initiative. We do not regard it simply as a matter of compliance with environmental regulations, but set our own standards for the entire product lifecycle from procurement of resources and components to the manufacture, sale, use, and disposal. The standards for managing chemical substances in products procured by FUJIFILM BI are prescribed in “FUJIFILM Business Innovation Green Procurement Standards.”

2. Objective of the FUJIFILM Business Innovation Green Procurement Standards

The FUJIFILM Business Innovation Green Procurement Standards prescribe the requirements and guidelines regarding the procurement of supplied goods.

3. Scope of the FUJIFILM Business Innovation Green Procurement Standard

The FUJIFILM Business Innovation Green Procurement Standards apply to consumables, components, products, packaging materials, and other auxiliary materials supplied to FUJIFILM BI for products sold and supplied to customers.

4. Green Procurement Standards

Compliance with all of the following requirements are mandatory:

(1) Supplied goods must not contain any restricted chemical substances provided in Annex1 and 2. Specific regulated threshold figures have to be met.

(2) Accurate information about chemical contents must be provided so that FUJIFILM BI can ensure compliance of its products.

(3) Chemical substances in supplied goods must be managed in accordance with the “Guidelines for the Management of Chemical Substances in Products,” or other comparable industrial standards.

5. Requests to Suppliers

Cooperation is sought with respect to each of the following points to promote Green Procurement and ensure FUJIFILM BI products comply with worldwide regulations:

(1) Compliance with the Green Procurement Standards for supplied goods

The supply of consumables, products, packaging materials, and other auxiliary materials must comply with Standards for Management of Restricted Chemical Substances shown in items (1) to (3) of Section 4 of this standard.

In order to ensure that your products do not use any of the restricted chemical substances listed in our Green Procurement Standards, you will be requested by our Procurement Department to submit a Declaration of Compliance with Green Procurement Standards for all articles by product. You will be informed of the submission method and timing by our Procurement Department.

(2) Information to be provided in accordance with the Green Procurement Standards

Product content information for consumables, components, products, packaging materials, and other auxiliary materials supplied to FUJIFILM BI must be provided in the CMP Consortium endorsed Information – Communication Sheets (chemSHERPA-AI or chemSHERPA-CI) or an alternative format as specified by FUJIFILM BI requesting the data indicating that the materials supplied to FUJIFILM BI are in compliance with the Green Procurement Standards. For supplied products used for consumables, in order to comply with the laws and regulations of each country or to submit a notification based on laws and regulations, in addition to chemSHERPA-CI, we

ask that you provide information on all chemical substances (substance name, CAS registration number, composition ratio) that make up the SDS and procured products.

In addition, when there are changes in the information about chemical substances in the supplied goods and related laws and regulations, the suppliers must provide the updated information to FUJIFILM BI using prescribed format immediately.

(3) Management of Supplied Goods in accordance with the Green Procurement Standards

① Chemical substances, chemical preparations, components, homogeneous materials, products, packaging materials, and other auxiliary materials supplied to FUJIFILM BI must be in accordance with the “Guidelines for the Management of Chemical Substances in Products” or other comparable industrial standards. FUJIFILM BI requests that primary suppliers be responsible for managing and instructing secondary and subsequent suppliers to comply with the Standards as well.
② To manage and maintain prohibition of the use of hazardous chemical substances, FUJIFILM BI requests that suppliers update their ISO 14001 certification or other environmental management certification, as well as ISO 9001 quality management certification.
③ FUJIFILM BI may conduct an audit based on the “Guidelines for the Management of Chemical Substances in Products” on a supplier's chemical substance management system.

(4) Other

From time to time, there may be requests to provide regulatory information for FUJIFILM BI’s products to comply with specific regulations and or in response to FUJIFILM BI’s customer requests. In such cases, the supplier must provide the following information on specific chemical substances, substance groups, regulations, and standards:

① Certificate of compliance with specified individual regulations
② Purchase specification or agreement including compliance with regulations.
③ Certificate for individual requirements of the relevant country's environmental label Example: Diisodecyl phthalate (DIDP), diisononyl phthalate (DINP), di-n-octyl phthalate (DNOP), and 16 types of polycyclic aromatic hydrocarbons (PAHs), etc. for China CEC environmental labeling certification
④ Submission of chemical substance analysis data
FUJIFILM BI conducts RoHS tests based on IEC 62321 prior to production. If a concern is discovered during the tests, FUJIFILM BI will request for a submission of analysis data by part or substance inorder to check for compliance with the Green Procurement Standards in terms of prohibited substances. FUJIFILM BI will request for submission individually together with the analysis method.

6. Definitions of Terms

(1) Consumable

It refers to chemicals used to provide the main functions of FUJIFILM BI products (e.g., toners, carriers, inks) or maintain operations of the main functions of said products (e.g., lubricant oil used for fusing device).

(2) Chemical substance

It refers to chemical elements (including polymers) or their compounds that have specific chemical composition and characteristic properties.

(3) Compound

It refers to a chemical substance produced by chemical reactions between two or more chemical substances.

(4) Mixture

It refers to a mixed thing of two or more chemical substances, not by chemical reactions.

(5) Chemical product

It refers to chemical substances or mixtures having chemical composition and characteristic properties and commercialized as a product.

(6) Impurity

It refers to unintentional chemical substances that exist in materials. These are chemical substances other than intended chemical substances produced by reactions other than intended reactions, such as unreacted substances, reaction catalysts, indicators, and by-products. They do not include intentionally added chemical substances.

(7) Article

It refers to an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition.
If said object is transferred or provided and then further processed by the recipient, it may not be considered as an article but a chemical. Depending on its packing style or purpose, some countries or regions may consider it still as an article.

Note 1; US and Europe consider carrier as an article. In this standard, carrier is treated as a chemical.

(8) Battery

It refers to an item that generates electron (electricity) by chemical reactions and can utilize the flow of the electrons as electricity. It includes dry cell batteries and button batteries. It also includes the cases where they are incorporated into products or components.

(9) Packaging

It refers to any material object intended for storage, protection, handling, transportation or presentation of products, parts, and raw materials. It is categorized into primary packaging (product packaging), secondary packaging (collective packaging), and tertiary packaging (transport packaging).

It doesn't include the items that retain their contents until the end of their life or remain as a part of a printing device such as toner cartridges. In addition, it doesn't include the packaging materials that our business partners use to deliver goods to FUJIFILM BI and are intended to be disposed of after delivery.

(10) Content

It refers to the presence of relevant chemical substances in parts and materials, whether intentional or not, including impurities and in-process transfers.

(11) Intensional Use

It refers to the presence of relevant chemical substances in parts and materials due to its intentional addition to achieve specific quality regardless of the standard values.

(12) Restricted chemical substance

It refers to any of the following chemical substances:

① Chemical substances that are prohibited for use in consumables.
These are chemical substances prohibited or restricted from being manufacturing, imported, or used by international treaties or laws. (See Appendix 1-a.)

② Chemical substances that are prohibited for use in consumables.
These are chemical substances classified as Category 1 of CMRs (carcinogenic, mutagenic,

reproductive toxicity) by international research organizations or laws. (See Appendix 1-b.)

③ Chemical substances that are prohibited for use in articles. These are chemical substances that laws and FUJIFILM BI policy prohibit or restrict from being contained in chemical substances, mixtures, parts, components, products, packaging materials and auxiliary substances. (See Appendix 2.)

(13) Reportable chemical substances

It refers to a chemical substance whose content and volume are subject to reporting required by laws and regulations. (See Appendix 3.)

(14) Content controlled chemical substances

It refers to chemical substances subject to chemSHERPA management. These chemical substances are subject to management of its content when they are contained in the procured goods delivered to FUJIFILM BI.

(15) CMP Consortium

The Chemical & Circular Management Platform (CMP) and chemSHERPA are operated as cross-industry initiatives in Japan that promote the proper and efficient management and communication of chemical substance information and resource circulation information contained in products. This initiative is the successor to the former JAMP (Japan Article Management Promotion-consortium).
*CMP Consortium website : https://cmp-consortium.com

(16) Alternate format

Format in accordance with commonly used industrial standard comparable to the CMP Consortium formats used for collecting product data. The alternate format is typically specified by FUJIFILM BI.

(17) chemSHERPA Declarable Substances

The Declarable Substances are chemical substances subject to transfer of information under CMP Consortium protocol. These are substances to be controlled for the prevention of health hazards and environmental conservation, which are selected by all parties involved in the entire supply chain. Refer to Table 5.

The updated contents of the declarable substances are available on the CMP Consortium /chemSHERPA website.

(18) Information - Communication Sheets

Information - Communication sheets for the disclosure and transfer of information on the chemical substances subject to reporting and contained in chemical substances, preparations, and articles. The chemical substances subject to notification are specified as CMP Consortium declarable substances or chemSHERPA declarable substances.

Sheet used for chemical substances and preparations.	chemSHERPA-CI
Sheet used for articles (components, homogeneous materials, products, packaging materials, and other auxiliary materials).	chemSHERPA-AI

(19) Guidelines for the Management of Chemical Substances in Products

The guidelines issued by CMP Consortium. The guidelines indicate the requirements for the

standardized management of contained substances to ensure accurate and efficient management. The guidelines focus primarily on the management of contained chemical substances in the process of converting substances/preparations to articles to ensure that the chemical substances contained in products are managed efficiently and rationally throughout the entire supply chain. The guidelines also cover management of the processes before and after the core process. The guideline is available on the CMP Consortium website.

(20) Certification of compliance with specified individual regulations

Documents issued by suppliers to certify that chemical substances, chemical preparations, components, homogeneous materials, products, packaging materials, and other auxiliary materials supplied to FUJIFILM BI comply the specific regulations.

Appendix 1 Criteria of restricted chemical substances (Consumables)

The chemical substances prohibited from being used in consumables are shown below in (1) and (2). Appendices 2 - 4 are applicable to the procured goods used for articles or the resin materials whose final use is as article.

(1) Chemical substances specified by international treaties and laws

The chemical substances specified in Appendix 1-a below are prohibited from being intentionally used in the procured goods which are to be used for consumables.

When any of these chemical substances are unintentionally contained (such as impurities), FUJIFILM BI asks you to report its CAS Registry Number and content to FUJIFILM BI.

Additionally, when there is a limit concentration value for a chemical substance specified by applicable international treaty or law, exceeding the limit concentration value is prohibited even though unintentionally contained (such as impurities).

Appendix 1-a: List of international conventions or laws that specify prohibited substances

No	Country/Region	Names of international conventions or laws and/or names of prohibited substances
1	Japan	Class 1 Specified Chemical Substances and Class 2 Specified Chemical Substances under the Chemical Substances Control Law (CSCL) Class 1 Specified Chemical Substances: https://www.nite.go.jp/chem/jcheck/list6.action?category=211&request_locale=ja Class 2 Specified Chemical Substances: https://www.nite.go.jp/chem/jcheck/list6.action?category=212&request_locale=ja
2	Japan	Harmful Substances Prohibited for Manufacture under the Industrial Safety and Health Act (ISHA) https://www.jaish.gr.jp/anzen/hor/hombun/hor1-1/hor1-1-7-1-0.htm
3	Japan	Specified poisonous substance and Poisonous substance under the Poisonous and Deleterious Substances Control Law https://laws.e-gov.go.jp/law/340CO0000000002/
4	Japan	Specified substances under The OzonLayer Protection Law https://laws.e-gov.go.jp/law/406CO0000000308/
5	Japan	Specified Substances under the Chemical Weapon Prohibition law Column 3 (toxic substances; Table 1A agents) or Column 4 (raw materials; Table 1B agents) of Appended Table 1 of the Enforcement Order https://laws.e-gov.go.jp/law/407CO0000000192/
6	Japan	Prohibited substances, narcotics, psychotropic drugs, and their raw materials as designated under the Narcotics and Psychotropics Control Law https://laws.e-gov.go.jp/law/328AC0000000014
7	Japan	Phenylaminopropane, phenylmethylaminopropane, and their salts, as specified under the Stimulants Control Act https://laws.e-gov.go.jp/law/326M50000100030
8	Japan	Opium, poppy and poppy husk as specified under the Opium Act https://laws.e-gov.go.jp/law/329AC0000000071
9	Japan	Cannabis plant and its products as designated under the Cannabis Control Act. https://laws.e-gov.go.jp/law/323AC0000000124
10	Japan	Controlled substances under the Act Concerning Special Provisions for the Narcotics and Psychotropics Control Law, etc. and Other Matters for the Prevention of Activities Encouraging Illicit Conducts and Other Activities Involving Controlled Substances through International Cooperation (*1) *1: The chemical substances referred to in this Act are those designated in the Narcotics and Psychotropics Control Law, the Stimulants Control Act, and the Opium Control Act.
11	Japan	the Act on Preventing Environmental Pollution of Mercur (mercury and mercury compounds specified in the Minamata Convention) https://minamataconvention.org/sites/default/files/2021-06/Minamata-Convention-booklet-Sep2019-EN.pdf

No	Country/Region	Names of international conventions or laws and/or names of prohibited substances
12	International	Substances specified in Annexes A to C of the Stockholm Convention on Persistent Organic Pollutants (POPs Convention) https://chm.pops.int/Convention/ThePOPs/ListingofPOPs/tabid/2509/Default.aspx
13	International	Substances specified in Annex on Chemicals Schedule 1 under the Chemical Weapons Convention (chemical substances) https://www.opcw.org/chemical-weapons-convention/annexes/annex-chemicals/schedule-1
14	International	Ozone-depleting substances (ODSs) specified in Annex A Group I and II, Annex B Group I to III, Annex C Group I to III, Annex E Group I, and Annex F Group I and II of the Montreal Protocol https://ozone.unep.org/treaties/montreal-protocol/summary-control-measures-under-montreal-protocol
15	International	Chemical substances designated in Appendices I to IV of the Single Convention on Narcotic Drugs https://www.incb.org/incb/en/narcotic-drugs/Yellowlist/yellow-list.html
16	International	Substances specified in Tables I and II of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances https://www.unodc.org/unodc/en/treaties/illicit-trafficking.html
17	International	Substances specified in the Minamata Convention on Mercury https://minamataconvention.org/sites/default/files/2021-06/Minamata-Convention-booklet-Sep2019-EN.pdf
18	Europe	EU POPs Regulation [(EU) No 2019/1021] Substances specified or restricted in Annex I, Annex II, Annex III and Annex IV https://echa.europa.eu/list-of-substances-subject-to-pops-regulation
19	Europe	Substances subject to authorization as specified in Annex XIV of the EU REACH Regulation [(EU) No 1907/2006 https://www.echa.europa.eu/authorisation-list
20	Europe	Substances specified in Annex II of the EU RoHS Directive [(EU) No 2015/863] https://environment.ec.europa.eu/topics/waste-and-recycling/rohs-directive_en
21	United States	PBT substances (Persistent, Bioaccumulative and Toxic substances) designated under Article 6 of the Toxic Substances Control Act (TSCA) https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/regulation-chemicals-under-section-6a-toxic-substances
22	Japan	Monitoring Chemical Substances under the Chemical Substances Control Law (CSCL) https://www.meti.go.jp/policy/chemical_management/kasinhou/files/ippantou/monitoring_chemicals_list.pdf
23	Japan	Substances of Very High Concern (SVHC) that are published as candidate substances for authorization in Annex XIV of the EU REACH Regulation [(EU) No 1907/2006] https://echa.europa.eu/candidate-list-table
24	Japan	Class 1 Specified Chemical Substances Designated in the Ordinance on Prevention of Hazards due to Specified Chemical Substances of the Industrial Safety and Health Act (ISHA) https://www.jaish.gr.jp/anzen/hor/hombun/hor1-1/hor1-1-7-1-0.htm
25	Japan	Harmful Substances Subject to Obtain the Permission of Manufacturing under the Industrial Safety and Health Act (ISHA) https://laws.e-gov.go.jp/law/347AC0000000057#Mpat_1
26	International	Specific hazardous substances specified in Annex III of the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade (PIC Convention) https://www.pic.int/TheConvention/Chemicals/AnnexIIIChemicals/tabid/1132/language/en-US/Default.aspx
27	International	Radioactive materials classified as class 7 under United Nations Recommendations on the Transport of Dangerous Goods (TDG) https://www.pic.int/TheConvention/Chemicals/AnnexIIIChemicals/tabid/1132/language/en-US/Default.aspx
28	Europe	Substances specified in Annex XVII “Restrictions on the production, placing on the market and use of certain hazardous substances, mixtures and articles” of the EU REACH Regulation [(EU) No 1907/2006] (*2) https://echa.europa.eu/substances-restricted-under-reach *2: Excludes use within the scope of restrictions specified in Annex XVII of the REACH Regulation [(EU) No 1907/2006] and use for purposes other than prohibited applications. However, it is necessary to report the CAS registration number of the relevant substance and the concentration value contained in the procured product.

No	Country/Region	Names of international conventions or laws and/or names of prohibited substances
29	France	Mineral oil aromatic hydrocarbons and mineral oil saturated hydrocarbons as defined in the mineral oil (*3) (*4) criteria of Article 112 of the French Fight Against Waste and the Circular Economy (AGEC Law). https://www.legifrance.gouv.fr/jorf/id/JORFTEXT000045733481#:~:text=Notice%20%3A%20l'article%20112%20de,%2D45%2D1%20et%20D. *3: The term “mineral oil” refers to oil produced from petroleum hydrocarbon-derived materials used in the manufacture of ink. *4: This Act also applies to toner materials.

(2) Chemical substances classified as Category 1 of CMRs by international research organizations or laws

The chemical substances classified as Category 1 of CMRs (carcinogenic, mutagenic, reproductive toxicity) specified by Appendix 1-b below, even if which are not specified by Appendix 1-a, are prohibited from being intentionally used in the procured goods which are to be used for consumables.
When any of these chemical substances are unintentionally contained (such as impurities), FUJIFILM BI asks you to report its CAS Registry Number and content to FUJIFILM BI.
However, the cases below are excluded even though it is a chemical substance classified as Category 1 of CMRs specified by Appendix 1-b.

- if the chemical substance is not specified in Appendix 1-a, and if it is a chemical substance selected by the development department of FUJIFILM BI, and if the executive responsible for development department of FUJIFILM BI exceptionally approves its use.

Appendix 1-b: List of international research institutes, laws and regulations, or academic societies that designate chemical substances classified as CMRs Category 1 or equivalent

No	Country/Region	Name of international research organization, law, or academic society that specifies chemical substances classified as CMRs Category 1
30	International	Substances designated as Group 1 carcinogens by the International Agency for Research on Cancer (IARC)
31	Japan	Substances classified as Group 1 carcinogens or Group 1 reproductive toxicants by the Japanese Society for Occupational Health (JSOH)
32	Europe	Substances classified as carcinogenic, germ cell mutagenic, or toxic to reproduction in Category 1A or 1B under the EU CLP Regulation [(EU) No 1272/2008]
33	United States	Substances designated as “Known To Be Human Carcinogens” by the National Toxicology Program (NTP)
34	United States	Substances classified as carcinogenic A1 by the American Conference of Governmental Industrial Hygienists (ACGIH)
35	United States	Substances classified as carcinogenic in the Integrated Risk Information System (IRIS) of the US Environmental Protection Agency (EPA)
36	Germany	Substances classified as carcinogenic group 1, germ cell mutagenic group 1, and reproductive toxic group 1 by the German Research Foundation (DFG)

Appendix 2 Criteria of restricted chemical substances (Articles)

The table below shows based on regulatory requirements in principle. There are, however, some chemical substances being restricted ahead of regulatory implementation because of future forecast. They will be revised after the law into effect.

Appendix 2-a:List of restricted chemical substances

No	Substance name	CAS No.	Main Regulations	Goods /Parts applied	Thresholds	Exemption /Purposes
1	Asbestos	–	EU REACH AnnexXVII	All	No intentional use	None
2	Azo colorants	–	EU REACH AnnexXVII	Textile and other leather articles which may come into direct and prolonged contact with the human skin or oral cavity	Equal to or less than 30 ppm	None.
3	Short-chain chlorinated paraffins (C10-13)	–	EU POPs Regulation	All	No intentional use,and less than 1,500 ppm	None
4	Pentachlorophenol (PCP) and its salts and esters	–	EU POPs Regulation Act on the Regulation of Manufacture and Evaluation of Chemical Substances	All	No intentional use,and equal to or less than 5ppm	None
5	Polybrominated biphenyls (PBBs)	–	EU RoHS Directive	All	Equal to or less than 1,000 ppm	None
6	Polybrominated diphenylethers (PBDEs)	–	EU RoHS Directive	Electrical and electronic equipment	Equal to or less than 1,000 ppm	None
			EU POPs Regulation	Other than electrical and electronic equipment	No intentional use and total of tetra-, penta-, hexa-, hepta-, deca-BDE is equal to or less than 10ppm (as Article). Recycled material : equal to or less than 200ppm	None
7	Polychlorinated biphenyls (PCBs)	–	EU POPs Regulation	Others except below	No intentional use and equal to or less than 200ppm	None
				Article containing organic pigments or organic dyes	No intentional use and equal to or less than 25ppb	
8	Polychlorinated terphenyl (PCT)	–	EU REACH AnnexXVII	All	Equal to or less than 50 ppm /material	None

No	Substance name	CAS No.	Main Regulations	Goods /Parts applied	Thresholds	Exemption /Purposes
9	Polychlorinated naphthalenes (the number of chlorines is one or more)	–	EU POPs Regulation	All	None(Prohibited)	None
10	Tri-substituted organostannic compounds (containing tributyltin (TBT) compounds or triphenyltin (TPT) compounds)	–	EU REACH AnnexXVII	All	Equal to or less than 1,000 ppm by weight of tin in the article, or part thereof	None
11	Ozone depleting substances	–	Montreal Protocol	All	No intentional use	None
12	Hexachlorobenzene	118-74-1	EU POPs Regulation	All	No intentional use ,equal to or less than 10ppm	None
13	Cadmium and its compounds	–	EU RoHS Directive	Others except below	Equal to or less than 100 ppm	None
			EU Battery Regulation	Battery	Not exceeding 20 ppm in a battery	None
			EU Packaging and Packaging Waste Regulation	Packaging	No intentional use, and the sum of cadmium, mercury, lead and hexavalent chromium not exceeding 100 ppm	None
14	Mercury and its compunds	–	EU RoHS Directive	Others except below	Equal to or less than 1,000 ppm	None
			EU Battery Regulation	Battery	Not exceeding 5 ppm in a battery	None
			EU Packaging and Packaging Waste Regulation	Packaging	No intentional use, and the sum of cadmium, mercury, lead and hexavalent chromium not exceeding 100 ppm	None
15	Lead and its compunds	–	EU RoHS Directive	Others except below	Equal to or less than 1,000 ppm	See Appendix 2-b

No	Substance name	CAS No.	Main Regulations	Goods /Parts applied	Thresholds	Exemption /Purposes
			California Proposition 65	Electric wire, cable, code coated with thermoset resin or thermoplastic resin	Not exceeding 300 ppm in surface coating	None
			EU Battery Regulation	Battery	Not exceeding 40 ppm in a battery	None
			EU Packaging and Packaging Waste Regulation	Packaging	No intentional use, and the sum of cadmium, mercury, lead and hexavalent chromium not exceeding 100 ppm	None
16	Hexavalent chromium compounds	–	EU RoHS Directive	Others except below	Equal to or less than 1,000 ppm	None
			EU Packaging and Packaging Waste Regulation	Packaging	No intentional use, and the sum of cadmium, mercury, lead and hexavalent chromium not exceeding 100 ppm	None
17	Brominated flame retardants (excluding PBBs, PBDEs, HBCDD)	–	Blue Angel、ECO MARK、EPEAT	Plastic parts used for external covers (incl. control panel), plastic buttons on a control panel	No intentional use,and equal to or less than 1,000 ppm weight bromine Parts containing 25% or more postconsumer recycled content are permitted up to 5,000 ppm weight bromine	Parts located close to heating elements

No	Substance name	CAS No.	Main Regulations	Goods /Parts applied	Thresholds	Exemption /Purposes
18	Polyvinyl chloride（PVC）	9002-86-2	Blue Angel、ECO MARK、EPEAT	Plastic parts used for external covers (incl. control panel), plastic buttons on a control panel	No intentional use,and equal to or less than 1000 ppm weight chlorine. Parts containing 25% or more postconsumer recycled content are permitted up to 5000 ppm weight chlorine.	Parts located close to heating elements
				Packaging	No intentional use, and the sum of PVC and polyvinylidene chloride not exceeding 100ppm by weight chlorine	None
19	Radioactive substances	–	Act on the Regulation of Nuclear Source Material, Nuclear Fuel Material and Reactor	All	No intentional use	None
20	Tributyl tin oxide（TBTO）	56-35-9	EU REACH Annex XVII	All	None(Prohibited)	None
21	Perfluorooctane sulfonic acid (PFOS), its salts, and PFOS-related substances	–	EU POPs Regulation	All	No intentional use, and PFOS or it's salts:equal or less than 25ppb PFOS-related substances:equal or less than 1ppm	None
22	Dibutyltin compounds （DBT）	–	EU REACH Annex XVII	All	Equal to or less than 1,000 ppm by weight of tin in the article, or part thereof	None

No	Substance name	CAS No.	Main Regulations	Goods /Parts applied	Thresholds	Exemption /Purposes
23	Dioctyltin compounds （DOT）	–	EU REACH Annex XVII	Two-component room temperature vulcanized molding kit (RTV-2)	Equal to or less than 1,000 ppm by weight of tin in the article, or part thereof	None
24	Dimethyl fumarate （DMF）	624-49-7	EU REACH Annex XVII	All	Equal to or less than 0.1 ppm (per part or component)	None
25	phenol,2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)	3846-71-7	Act on the Regulation of Manufacture and Evaluation of Chemical Substances	All	No intentional use	None
26	Bis(2-ethylhexyl) phthalate （DEHP）	117-81-7	EU RoHS Directive	All except packaging	Equal to or less than 1,000 ppm	None
27	Benzyl butyl phthalate(BBP)	85-68-7	EU RoHS Directive	All except packaging	Equal to or less than 1,000 ppm	None
28	Dibutyl phthalate(DBP)	84-74-2	EU RoHS Directive	All except packaging	Equal to or less than 1,000 ppm	None
29	Diisobutyl phthalate(DIBP)	84-69-5	EU RoHS Directive	All except packaging	Equal to or less than 1,000 ppm	None
30	Hexabromocyclododecane （HBCDD）	–	EU POPs Regulation	All	No intentional use, and equal to or less than 75ppm	None
31	Polycyclic aromatic hydrocarbons (PAHs): Benzo(a)pyrene （BaP） Benzo(e)pyrene （BeP） Benz(a)anthracene（BaA） Chrysene （CHR） Benzo(b)fluoranthene（BbFA） Benzo(j)fluoranthene（BjFA） Benzo(k)fluoranthene（BkFA） Dibenz(a,h)anthracene （DBAhA）	 50-32-8 192-97-2 56-55-3 218-01-9 205-99-2 205-82-3 207-08-9 53-70-3	EU REACH Annex XVII	Articles with direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, made of plastic and rubber. Threshold to be applied to parts used in the following areas/applications: 1) Outermost surface of a keyboard, mouse device, or electronic pen 2) Outermost surface of an LCD touch panel 3) Outermost surface of an operational button 4) Other parts specified by FUJIFILM Business Innovation	All applicable CAS numbers are to be 1 ppm or less per component.	None

No	Substance name	CAS No.	Main Regulations	Goods /Parts applied	Thresholds	Exemption /Purposes
32	Red phosphorus	7723-14-0 (Redphospho rus only)	Company policy	Resin material used in electrical insulators of electrical/electronic parts	No intentional use	Red phosphorus is coated with a water-proof substance or safety evaluation regarding the generation of phosphate is completed.
33	Perfluorooctano ic acid (PFOA), its salts	–	EU POPs Regulation	All	The concentration of PFOA and its salts shall be equal to or less than 25 ppb.	None
34	PFOA related substances	–	EU POPs Regulation	All	A single PFOA-related substance or combination of the substances shall not be used in a concentration exceeding 1,000 ppb	None
35	Perfluorohexan esulphonic acid (PFHxS) and its salts	–	EU REACH Annex XVII	All	Equal to or less than 25 ppb contained in a molded product or mixture	None
36	PFHxS-related substances	–	EU REACH Annex XVII	All	Sum of concentration s of all PFHxS-related compounds equal to or below 1,000 ppb	None
37	Fluorinated greenhouse gases (PFC, SF6, HFC)	–	Revised EU F-gas regulation	All	No intentional use	None

No	Substance name	CAS No.	Main Regulations	Goods /Parts applied	Thresholds	Exemption /Purposes
38	Mineral oil aromatic hydrocarbons (MOAH) with 1 to 7 aromatic rings	–	French AGEC law (mineral oil regulations)	Inks used in packaging and printed documents	Of the ink used: ① Equal to or less than 0.1% ② Equal to or less than 1 ppm of MOAH consisting of 3 to 7 aromatic rings	① Equal to or less than 0.1% of the ink used ② Labels to be attached to products and parts If it is difficult to decide, please contact us.
39	Mineral oil saturated hydrocarbons (MOSH) with 16 to 35 carbons	–	French AGEC law (mineral oil regulations)	Inks used in packaging and printed documents	Equal to or less than 0.1% of the ink used	
40	Tris (isopropylphenyl) phosphate (PIP(3:1))	68937-41-7	US TSCA	All	No intentional use, and less than 1,000ppm	① Lubricants and greases ② Wiring harnesses and electrical circuit boards (including terminals, fuse covers, cable sheathing, casings, connectors, tapes)
41	Pentachlorothiophenol (PCTP)	133-49-3	US TSCA	All	Equal to or less than1%	None
42	Dechlorane Plus™ (DP)	13560-89-9 135821-03-3 135821-74-8	POPs Convention, EU POPs regulation	All	No intentional use, and equal to or less than 1ppm	None
43	UV-328	25973-55-1	POPs Convention, EU POPs regulation	All	No intentional use, and equal to or less than 1ppm	Triacetyl cellulose (TAC) film in polarizers
44	Chlorinated paraffins with carbon chain lengths in the range C14-17 and chlorination levels at or exceeding 45% chlorine by weight	–	POPs Convention	All	None(prohibited) Applicable from October 1 2026	None

No	Substance name	CAS No.	Main Regulations	Goods /Parts applied	Thresholds	Exemption /Purposes
45	Long-chain perfluorocarboxylic acids(C9-C21 LC-PFCA), it's salts and related compounds	–	POPs Convention	All	None(prohibited) Applicable from October 1 2026	None
46	Chlorinated flame retardants (excluding Dechloran plus™)	–	Blue Angel、ECO MARK、EPEAT	Plastic parts used for external covers (incl. control panel), plastic buttons on a control panel	Equal to or less than 1,000 ppm weight chlorine Parts containing 25% or more postconsumer recycled content are permitted up to 5,000 ppm weight chlorine	Parts located close to heating elements
47	Elemental chloride	–	EPEAT	Paper packaging	No use and no contain	None
48	Polyvinylidene	9002-85-1	EPEAT	Packaging	No intentional use, and the sum of PVC and polyvinylidene chloride not exceeding 100ppm by weight chlorine	None
49	Ortho-phthalate (including DEHP,BBP,DBP,DIBP)	–	EPEAT, EU REACH Annex XVII	Packaging	No intentional use. If contained, the total amount of orthophthalates listed in EU RoHS Prohibited Substances and EU REACH Annex XIV (Autherization list)[*5] is 500 ppm or less	None

No	Substance name	CAS No.	Main Regulations	Goods /Parts applied	Thresholds	Exemption /Purposes
50	Per- and polyfluoroalkyl substances (PFAS) ※6	–	EPEAT	Packaging	No contain	None
			EU REACH Annex XVII US Maine PFAS pollution control Act. US Minnesota PFAS containing products regulation Act. Other US state Laws.	Others except for Packaging	After 1 March (1) Any PFAS measured by targeted analysis are below 25 ppb (PFAS in polymers are excluded from quantification) (2) The total amount of PFAS measured by targeted analysis is below 250 ppb(Including decompositio n of precursors to polymeric PFAS) (3) Total PFAS(includin g polymeric PFAS) is below 50 ppm Applicable from November 1 2031, no intentional use (After the regulation comes into force, the content of it will take precedent)	See appendix 2-c until March 1 2028 (After the regulation comes into force, the content of it will take precedent)
51	Polymers containing halogens (bromine and chlorine)	-	Blue Angel	External covers, Plastic packaging	No contain	None

※5(No.49) EU REACH Autherization list https://echa.europa.eu/authorisation-list (As of May 2026)

EU RoHS Prohibited Substances

・Bis(2-ethylhexyl) phthalate (CAS No.117-81-7)

・Dibutyl phthalate（CAS No.84-74-2）

・Benzyl butyl phthalate (CAS No.85-68-7)

・Diisobutyl phthalate (CAS No.84-69-5)

EU REACH Autherization subtances

- Dipentyl Phthalate (CAS No.131-18-0)
- 1,2-Benzenedicarboxylic acid, dipentyl ester,branched and linear（CAS No.84777-06-0）
- Dihexyl phthalate (CAS No.84-75-3)
- Diisopentyl phthalate（CAS No.605-50-5）
- Bis(2-methoxyethyl) phthalate(CAS No.117-82-8)
- 1,2-Benzenedicarboxylic acid, di-C6-8-branchedalkyl esters,C7-rich（CAS No.71888-89-6）
- N-pentyl-isopentylphthalate (CAS No.776297-69-9)
- 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (CAS No.68515-50-4)
- 1,2-Benzenedicarboxylic acid, di-C7-11-branchedand linear alkylesters (CAS No.68515-42-4)
- 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesterswith ≧ 0.3% of dihexyl phthalate (EC No. 201-559-5) (CAS No.68515-51-5,68648-93-1)

※6 (No.50) The target substance is defined by the Maine PFAS Pollution Control Act (an organic fluorine compound containing at least one fully fluorinated carbon atom).

Appendix 2-b. Exemptions in EU RoHS Directive（ANNEX III）

The expire dates in the list are the applicable regulatory expire dates. As a general rule, deliveries to FUJIFILM BI will be prohibited starting one year prior to the expiry of the effective applicable regulatory date of expire.

No.	Exemption	Expire date
6(a)-I	Lead as an alloying element in steel for machining purposes containing up to 0,35 %	Valid
6(a)- II	Lead as an alloying element in batch hot-dip galvanised steel components containing up to 0,2 % lead by weight	Valid
6(b)-III	Lead as an alloying element in aluminium casting alloys containing up to 0,3 % lead by weight provided it stems from lead-bearing aluminium scrap recycling	Valid
6(c)	Copper alloy containing up to 4% lead by weight	Valid
7(a)	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)	Valid
7(a)-I	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) for internal interconnections for attaching die, or other components along with a die in semiconductor assembly with steady state or transient/impulse currents of 0,1 A or greater or blocking voltages beyond 10 V, or die edge sizes larger than 0,3 mm × 0,3 mm	2027.12.31
7(a)-II	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) for integral (meaning internal and external) connections of die attach in electrical and electronic components, if all the following conditions are met: – the thermal conductivity of the cured/sintered die-attach material is > 35 W/(m × K), – the electrical conductivity of the cured/sintered die-attach material is > 4,7 MS/m, – solidus melting temperature is higher than 260 °C	2027.12.31
7(a)-III	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) in first level solder joints (internal or integral connections – meaning internal and external) for manufacturing components so that subsequent mounting of electronic components onto subassemblies (i.e. modules, sub-circuit boards, substrates, or point-to-point soldering) with a secondary solder does not reflow the first level solder. This sub-entry excludes die attach applications and hermetic sealings	2027.12.31
7(a)-IV	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) in second level solder joints for the attachment of components to printed circuit board or lead frames: (1) in solder balls for the attachment of ceramic ball-grid-array (BGA); (2) in high temperature plastic overmouldings (> 220 °C)	2027.12.31
7(a)-V	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) as a hermetic sealing material between: (1) a ceramic package or plug and a metal case; (2) component terminations and an internal sub-part	2027.12.31
7(a)-VI	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) for establishing electrical connections between lamp components in incandescent reflector lamps for infrared heating, high intensity discharge lamps, or oven lamps	2027.12.31
7(a)-VII	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) for audio transducers where the peak operating temperature exceeds 200 °C	2027/12/31
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	Valid
7(c)-II	Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher	2027/12/31

No.	Exemption	Expire date
7(c)-V	Electrical and electronic components containing lead in a glass or glass matrix compound that fulfils any of the following functions: (1) for protection and electrical insulation in glass beads of high-voltage diodes and glass layers for wafers; (2) for hermetic sealing between ceramic, metal and/or glass parts; (3) for bonding purposes in a process parameter window for < 500 °C combined with a viscosity of 1 013,3 dPas ('glass-transition temperature'); (4) for use as a resistive material such as ink, with a resistivity range from 1 ohm/square to 100 megohm/square, excluding trimmer potentiometers; (5) for use in chemically modified glass surfaces for microchannel plates (MCPs), channel electron multipliers (CEMs) and resistive glass products (RGPs).	2027/12/31
7(c)-VI	Electrical and electronic components containing lead in a ceramic that fulfils any of the following functions: (1) for use in piezoelectric lead zirconium titanate (PZT) ceramics; (2) for providing ceramics with a positive temperature coefficient (PTC).	2027/12/31
13(a)	Lead in white glasses used for optical applications	Valid
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.	Valid
34	Lead in cermet-based trimmer potentiometer elements	Valid

Appendix 2-c, Exemption list for per- and polyfluoroalkyl substances (PFAS) under the European REACH Regulation (ANNEX XVII)
No. in the table and exemption follows the regulation.
The exemption period begins from the scheduled enforcement date of the regulation.

No.		Exemption	Exemption period (Year)
4	d	Placing on the market of articles which were already in end-use in the Union	-
4	e	Spare parts intended to replace PFAS-containing articles in articles or complex objects until 20 years after the last date when the complex article was allowed to be placed on the market for the first time or until the end of service life for the specific object, when it is shorter than 20 years	Shorter period of 20 years or service life
4	f	Spare parts used in articles or complex objects for which legal obligations related to the use of specific spare parts exist until the end of service life of the complex object	end of service life
4	g	Starting materials and intermediates in the manufacture of PFASs for a use listed under paragraphs 4, 5 or 6	-
4	h	Production of PFAS containing mixtures or articles in the upstream supply chain for a use listed under paragraphs 4, 5 or 6	-
4	i	Uses under product and process orientated research and development (PPORD; art. 67(1) of EU-REACH)	-
4	j	Paper and board articles containing recovered material, with the exception of food-contact material and packaging	-
4	k	Textile articles containing recovered material, with the exception of toys as defined in Directive 2009/48/EC, until 13.5 years after EiF	13.5
4	l	Plastic articles containing recovered material, with the exception of food-contact material and food contact packaging and toys as defined in Directive 2009/48/EC, until 23.5 years after EiF	23.5
4	m	Production of PFAS with or without the use of fluorinated polymerisation aids in the production of polymeric PFAS under controlled conditions with average emission factors (= Annual emission of PFAS / total annual amount of PFAS manufactured on site) not exceeding i. 0.0090% to air, 0.0010% to water and 0% to soil for emissions of non-polymeric PFAS residues from polymerization aid technology in fluoropolymer manufacturing until end of 2030; ii. 0.0030% to air, 0.0006% to water and 0% to soil for emissions of non-polymeric PFAS residues from polymerization aid technology in fluoropolymer manufacturing from end of 2030 onwards; iii. 0.01% to all compartments for all PFAS emissions not mentioned above from sites manufacturing polymeric and non-polymeric PFAS 6.5 years after EiF.	i. until end of 2030; ii. from end of 2030 onwards; iii. 6.5 years after EiF.
5	a	Personal protective equipment (PPE) intended to protect users against risks as specified in Regulation (EU) 2016/425, Annex I, until 13.5 years after EiF	13.5
5	b	Personal protective equipment (PPE) specifically designed for armed forces, the maintenance of law and order and other emergency response workers, until 13.5 years after EiF	13.5
5	c	Impregnation agents for re-impregnation of articles referred to in paragraph 5a and 5b until 13.5 years after EiF	13.5
5	d	Hard chrome plating until 6.5 years after EiF	6.5
5	k	Fluorinated gases used as clean fire suppressing agents where current alternatives damage the assets to be protected or pose a risk to human health until 13.5 years after EiF	13.5
5	l	Preservation of cultural paper-based materials until 13.5 years after EiF	13.5

No.		Exemption	Exemption period (Year)
5	m	Insulating gases in high-voltage switchgear (above 145 kV) until 6.5 years after EiF	6.5
5	n	Refrigerants, clean fire-suppressing agents and insulation gases for maintenance and refilling of existing HVACR, fire-suppressing and switchgear equipment put on the market before 18 months (or placed on the market after 18 months after EiF based on an applicable derogation)	-
5	p	Additives to hydraulic fluids in transport vehicles until 13.5 years after EiF	13.5
5	q	Refrigerants in mobile air conditioning-systems and heat pump systems in i) light duty electrical vehicles until 6.5 years after EiF; ii) all other vehicles until 13.5 years after EiF	i)6.5 ii)13.5
5	r	Refrigerants in transport refrigeration other than in marine applications until 6.5 years after EiF	6.5
5	s	Coatings and films on displays and lenses of electronic complex objects for 6.5 years after EiF	6.5
5	t	Printed circuit boards and antennas for 13.5 years after EiF	13.5
5	u	photonics for 13.5 years after EiF	13.5
5	v	Heat transfer fluids for 2-phase immersion cooling for 13.5 years after EiF	13.5
5	w	Semiconductor manufacturing until 13.5 year after EiF	13.5
5	x	coatings and films of electronic components (excluding displays and lenses) for 13.5 years after EiF	13.5
5	y	Binders and electrolytes in batteries until 13.5 years after EIF	13.5
5	z	Polymer additives used for fire safety purposes in construction products until 13.5 years after EiF	13.5
5	aa	Industrial and professional uses of lubricants or lubricant additives until 13.5 years after EIF	13.5
5	bb	Gas and oil tracers until 13.5 years after EiF	13.5
5	cc	Toners until 13.5 years after EiF	13.5
5	dd	Latex printing inks until 13.5 years after EiF	13.5
5	ee	Electrophotographic press units until 13.5 years after EiF	13.5
5	ff	Kinetic printing components until 13.5 years after EiF	13.5
5	gg	Photosensitive materials until 13.5 years after EiF	13.5
5	hh	Toners for use in existing equipment put on the market until 13.5 years after EiF	13.5
5	ii	Latex printing inks for use in existing equipment put on the market until 13.5 years after EiF	13.5
5	jj	Excipients in medicinal products for ophthalmic and dermatological therapies until 13.5 years after EiF	13.5
5	kk	Propellants in pMDIs(Pressurized metered-dose inhalers) until 6.5 years after EiF	6.5
5	ll	Military applications until 13.5 years after EiF	6.5
5	mm	HEPA (H 13-14) and ULPA (U 15-17) filters (according to EN 1822:2009) and in industrial uses for filtration and separation of air and other gases for 13.5 years after EiF, excluding general (HVAC) ventilation;	13.5
5	nn	Sound-permeable and vent filters for electrical and electronic equipment for 6.5 years after EiF	6.5
5	oo	Oxygen-permeable membranes in zinc-air batteries and other types of alkaline metal-air batteries for 13.5 years after EiF;	13.5
5	pp	Industrial use as media in liquid-liquid separation for 13.5 years after EiF	13.5
5	qq	Technical textiles in engine bays of transport vehicles for noise, vibration and harshness (NVH) insulation and ignition protection until 13.5 years after EiF	13.5

No.		Exemption	Exemption period (Year)
5	rr	Technical textiles in transport vehicles for noise, vibration and harshness (NVH) insulation outside the engine bay until 6.5 years after EiF	6.5
5	ss	Woven, knitted and nonwoven re-usable medical textiles as specified in Medical Device Regulation (EU) 2017/745 of the European Parliament and of the Council with a minimum performance requirement of >20 cm hydrostatic head according to EN 13795 for 13.5 years	13.5
5	tt	Impregnation agents for re-impregnation of articles referred to in paragraph 5ss until 13.5 years after EiF	13.5
5	uu	Ionic liquids used in industrial uses until 6.5 years after EiF	6.5
5	vv	Solvents used in industrial uses until 13.5 years after EiF	13.5
5	ww	Catalysts and processing aids used in industrial uses until 13.5 years after EiF	13.5
6	a	Polymer processing aids used in flexible plastic film extrusion (for food and non-food applications) until 6.5 years after EiF	6.5
6	b	Non-stick coatings in industrial bakeware until 6.5 years after EiF	6.5
6	c	Implantable medical devices (including medical implants and meshes) until 13.5 years after EiF	13.5
6	d	Invasive medical devices (e.g. tubes and catheters) until 13.5 years after EiF	13.5
6	e	Packaging for medical devices until 13.5 years after EIF	13.5
6	f	i) vehicle systems, components or separate technical units [(excluding 'sealing applications', batteries and fuel cells, lubricants, electronic and electrical systems, HVACR, technical textiles*)] that are subject to EU vehicle type approval, where the type approval was obtained within 13.5 years after EiF (e.g., motor vehicles within the scope of Regulation (EU) 2018/858, (EU) 2019/2144 or Directive 2007/46/EC, agricultural and forestry vehicles with the scope of Regulation (EU) 167/2013, aircraft within the scope of Regulation (EU) 2018/1139 or (EU) 748/2012, watercraft within the scope of Directive 2013/53/EU or 2009/45/EC, and rail vehicles within the scope of Regulation (EU) 2016/797 or Directive (EU) 2016/798); OR ii) systems, components or separate technical units [(excluding 'sealing applications', batteries and fuel cells, lubricants, electronic and electrical systems, HVACR, technical textiles*)] in vehicles that are not within the scope of paragraph a, where the use of fluoropolymers or perfluoropolyethers are strictly necessary for safety or environmental performance of those vehicles until 13.5 years after EiF. e.g., braking, restraint, lighting/signalling, driver assistance systems, emission control.	13.5
6	g	Heat transfer fluids for industrial and professional use of vapor phase soldering for electronics for 13.5 years after EiF	13.5
6	h	Wires and cables (incl. connectors) for 13.5 years after EiF	13.5
6	i	Insulation material of electronic components (excluding wires, cables and connectors) for 13.5 years after EiF	13.5
6	j	Anti-drip agent in plastics of electronic components for 13.5 years after EiF	13.5
6	k	Fuel cells and electrolysers until 13.5 years after EiF	13.5
6	l	Separator coatings for batteries until 6.5 years after EIF	6.5
6	m	PTFE nozzles in high voltage (>145 kV) switchgears and circuit breakers until 6.5 years after EIF	6.5
6	n	Front- and backsheets in photovoltaic cells until 6.5 years after EIF	6.5
6	o	Bridge and building bearings until 13.5 years after EiF	13.5
6	p	Sealing applications in industrial uses until 13.5 years after EiF	13.5
6	q	Machinery applications in industrial uses until 13.5 years after EIF	13.5

No.		Exemption	Exemption period (Year)
6	r	Coatings in release liners and backing film in transdermal patches until 13.5 years after EiF	13.5
6	s	Blisters for solid oral dose formulations until 6.5 years after EiF	6.5
6	t	Coated rubber stoppers in vials/flasks for injectable medicinal products until 13.5 years after EiF	13.5
6	u	Coated canisters in pressurized metered-dose inhalers (pMDIs) until 13.5 years after EiF	13.5
6	v	Coated plungers in pre-filled syringes until 13.5 years after EiF	13.5
6	w	Pre-filled injection pens & autoinjectors until 13.5 years after EiF	13.5
6	x	Explosives in military applications until 13.5 years after EiF	13.5
6	y	Industrial use of fluoropolymers in filtration and separation media for water treatment and purification for 6.5 years after EiF	6.5

Appendix 3 : Reportable chemical substances

The table below shows the chemical substances subject to content reporting in accordance with laws and regulations.

No	Substance name	Goods /Parts applied	Thresholds	Main Regulations
1	Per- and polyfluoroalkyl substances (PFAS) ※7	All	Intentional use	US TSCA、Canadian Environmental Protection Act
2	Substances of Very High Concern (SVHC)	All	Equal to or more than 0.1% in article	EU REACH SCIP

※7 The target substance is defined by the Maine PFAS Pollution Control Act (an organic fluorine compound containing at least one fully fluorinated carbon atom).

Appendix 4. The Specification standards for chemSHERPA Declarable Substances

The Specification standards for chemSHERPA Declarable Substances	Codes
Chemical Substances Control Law (Japan): Class I Specified Chemical Substances	LR01
Toxic Substances Control Act (TSCA) (US): Section 6	LR02
EU ELV Directive 2011/37/EU Targeted substances list	LR03
EU RoHS Directive 2011/65/EU ANNEX II Targeted substances list	LR04
EU POPs Regulation (EC) 850/2004 Annex I	LR05
EU REACH Regulation (EC) 1907/2006: The Candidate List of Substances of Very High Concern for Authorisation (SVHC), Authorisation List	LR06
EU REACH Regulation (EC) 1907/2006: Annex XVII Restriction substances	LR07
EU Medical Devices Regulation (MDR): Annex I 10.4 Substances	LR08
CHINA RoHS the Administrative Measures for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products	LR09
Global Automotive Declarable Substance List (GADSL)	IC01
IEC 62474 DB Declarable substance groups and declarable substances	IC02