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# 1. Foreword

"Committed to People, Committed to the Future." is the long standing Basic Commitment of the Toshiba Group, a statement that expresses our enduring credo to contribute to the development of society through our business. Since our founding, with the venture spirit that has inspired Toshiba for many generations, Our Purpose has been to combine the power of invention with our expertise and desire for a better world, to tackle increasingly complex and serious social issues, and to turn on the promise of a new day.

It is essential for Toshiba Group to contribute to resolving social issues, along with achieving the SDGs, with our highly reliable services and cutting-edge technologies, and further increase corporate value.

Based on this idea, in 2020, Toshiba Group has formulated "Environmental Future Vision 2050" as a new long-term vision from a global perspective that responds to such issues as decarbonization and the transition to a circular economy. With the goal of "contributing to the realization of a sustainable society through environmental management which aims to create enriched value and to ensure harmony with the earth," it aims to realize a sustainable society—in other words, a decarbonized society, a resource circulating society, and a society in harmony with nature— by promoting the implementation of initiatives in three areas: "response to climate change," "response to the circular economy," and "consideration of ecosystems."

Environmental management involves tackling various issues. We believe that we have a responsibility to perform a comprehensive assessment of the environmental impacts of our products throughout their life cycles and in every phase, from product manufacturing and usage through to recycling of end-of-life products. Toshiba Group is promoting green procurement as a measure during the manufacturing phase.

Green procurement involves procuring products, parts and components and materials, etc. with minimal environmental impacts from suppliers that vigorously promote environmental protection. To promote business in a way that reduces the environmental impacts and risks of hazardous chemical substances, activities encompassing the entire supply chain are necessary, for which the cooperation of suppliers, our business partners, is essential.

With this in mind, we have revised the Green Procurement Guidelines in line with contemporary needs. In our endeavors to achieve a sustainable society, we invite our suppliers to share our environmental goals and work hand in hand with us to make green procurement a resounding success.

Procurement Division Procurement Control & Compliance Division  
Corporate Production Planning Division Environment Management Office  
Toshiba Corporation

## 2. Toshiba Group's Basic Policy for the Environment

Toshiba Group holds environmental initiatives to be one of our top priority tasks in corporate management, guided by the "Essence of Toshiba." We will strive to create enriched value and ensure harmony with the earth for people around the world now and in the future. Through our environmental management that aims to achieve a decarbonized society, a resource circulating society, and a society in harmony with nature, we will contribute to the realization of a sustainable society and turn on the promise of a new day.

### ◆ Promoting environmental management harmonized with business operations

- Toshiba Group assesses the impacts of its business activities and products and services on the environment (including biodiversity), sets environmental impact reduction targets, and implements environmental activities.
- Toshiba Group continuously improves its environmental management through audits and activity reviews.
- Toshiba Group complies with all laws and regulations, industry guidelines it has endorsed, and its own standards on the environment.
- Toshiba Group further raises employees' environmental awareness, and the company as a whole makes efforts for environmental protection.
- Toshiba Group operates globally and promotes environmental activities throughout the Group accordingly.

### ◆ Reducing environmental impacts through business activities and offering environmentally conscious products and services

- Toshiba Group recognizes that natural resources are finite, and it implements vigorous environmental measures to promote their effective, practical use in terms of both business activities as well as products and services.
- Toshiba Group develops and provides environmentally conscious products and services that contribute to reducing environmental impacts throughout their life cycle.
- In all phases of activities – including the design, procurement, manufacturing, logistics, sales, and disposal phases – Toshiba Group implements measures to decrease environmental impacts, such as those for responding to climate change, effective resource use, and chemical management.
- Toshiba Group considers what value and meaning it can provide to society and strives to develop environmental technologies for the future in order to contribute to realizing a sustainable society.

### ◆ Working together with stakeholders

- Toshiba Group actively communicates with stakeholders, such as local communities and society, and promotes environmental activities in collaboration with them.

### **3. Objective of the Guidelines**

In accordance with the Toshiba Group's Basic Policy for the Environment, we are working to protect the environment by stressing the "creation of new value" and championing "symbiosis with the Earth" throughout our business processes and products. As part of these efforts, Toshiba develops and provides environmentally-aware products and services, which help reduce environmental impacts throughout their life cycles. Green procurement is essential for that purpose.

The Guidelines show The Toshiba Group's Green Procurement Standards, a basic concept of the Group on green procurement, together with the specific contents of the Group's requests to our suppliers concerning the supply of parts and components, materials, units, products, secondary materials, etc. (hereinafter collectively referred to as "supply items").

The Toshiba Group is working with global environmental protection activities in cooperation with our suppliers through the procurement activities under the Green Procurement Standards described in the Guidelines.

### **4. Toshiba Group's Green Procurement Standards**

Toshiba Group defines green procurement as procuring products, parts and components, materials, etc. with minimal environmental impacts from suppliers that vigorously promote environmental protection. For that purpose, Toshiba Group establishes the Group's common green procurement standards and promotes the Group's green procurement as described below.

#### **4.1 Construction of the Environmental Management System (EMS)**

As part of its efforts to promote environmental management, Toshiba Group has been operating and constructing its environmental management system and obtaining ISO14001 certification. In procurement, suppliers positively engaged in environmental activities, including the construction of EMS, etc., are prioritized.

#### **4.2 The management of chemical substances in procurement items**

The management of chemical substances in procurement items is implemented with emphasis on the agreement in the JAMP (\*1) and in line with the Guidelines on Chemical Substances in Products" issued by the JAMP.

\*1: JAMP is an acronym for the Joint Article Management Promotion-consortium, a non-profit organization established in September 2006 to promote the construction of a mechanism for the smooth disclosure and dissemination of information on chemical substances in products in the supply chain. For details of its activities, please see the following URL:

JAMP URL : <https://chemsherpa.net/>

### 4.3 Toshiba Group List of Environment-Related Materials/Substances (in Products)

Toshiba Group has established the “Toshiba Group List of Environment-Related Materials/Substances (in Products)” and manages chemical substances in procurement items by classifying them into the following two categories:

Category	Definition	Materials/substances
Rank A (Prohibited materials/substances)	Materials/substances whose presence is prohibited in procurement items (including packaging) in Toshiba Group. Materials/substances whose use in products (including packaging) is prohibited or restricted by domestic and foreign laws and regulations.	<b>Appendix 1</b>
Rank B (Managed materials/substances)	Materials/substances whose environmental impact should be reduced, based on their actual usage, via reduction of use and substitution, or recovery and detoxification in a closed system	<b>Appendix 2</b>

Due to circumstances such as industry trends, the contents of management (materials/substances, management levels, threshold values, etc.) may differ among Toshiba group companies.

## 5. Requests to Suppliers

To promote green procurement, Toshiba Group requests suppliers, our business partners, to positively engage in the “promotion of environmental protection by suppliers,” “supply of products, parts and components, materials, etc. with minimal environmental impact,” “conclusion of agreements for securing environmental quality of procurement items” and “cooperation in various surveys.” We request suppliers to understand our requests and survey objectives and cooperate with us. Due to circumstances such as industry trends, details of our requests to suppliers may differ among Toshiba Group companies and are described in the Green Procurement Guidelines issued by the office in charge of procurement of Toshiba Group companies, divisions, establishments, factories, etc. (The contents described in the Green Procurement Guidelines issued by the office in charge of procurement in Toshiba Group companies, divisions, establishments, factories, etc. shall take precedence over those described in this document.)

### 5.1 Promotion of environmental protection by suppliers

We request suppliers to vigorously engage in environmental protection (establishment of environmental policy, implementation of system, provision of training and education, etc.)

## **5.2 Supply of products, parts and components, materials, etc. with minimal environmental impacts**

Suppliers from which we receive items are requested to implement thorough management of chemical substances in products, including the following actions:

- (1) Establishment of a system for management of chemical substances in products.
- (2) Procurement of parts, components and materials with minimal environmental impacts (green procurement), including a reduction in the use of hazardous chemical substances.
- (3) Response to Toshiba Group's survey on the usage of environment-related materials/substances (in products).

## **5.3 Conclusion of agreements for assuring environmental quality of procurement items**

To ensure the environmental quality of procurement items, we request each supplier to conclude a Quality Assurance Agreement prior to transactions. In addition, we may request a supplier to submit an Agreement Concerning the Restriction of the Use of Specified Hazardous Substances as necessary.

## **5.4 Cooperation in surveys**

### **5.4.1 Survey of suppliers' environmental protection activities**

To strengthen partnerships with suppliers that are vigorously engaged in environmental protection activities, we conduct surveys of suppliers' environmental protection activities, mainly on the following items:

<Survey items>

Situations regarding the following:

- (1) Gaining of ISO 14001 certification
- (2) Green procurement activities
- (3) Environmental protection activities
  - a) Environmental policy
  - b) Organizations and plans
  - c) Environmental aspects of the business and systems
  - d) Information disclosure and training and education
- (4) Others

### **5.4.2 Surveys of suppliers' chemical substance management systems**

We conduct surveys of suppliers' chemical substance management systems with the aim of having them establish/maintain systems to manage chemical substances in products.

### **5.4.3 Surveys of chemical materials/substances in procurement items**

Prior to the approval of new procurement items and judgment as to whether existing procurement items require substitution, we conduct surveys concerning the presence of the chemical materials/substances in procurement items. The survey contents may change according to the types and necessity of supply items, with the main survey items as follows:

<Survey items>

- (1) Confirmation of the non-use of prohibited materials/substances via the “Declaration of Use/Non-use of Environment-Related Materials/Substances (in Products)”
- (2) Survey on the use/non-use and content of any substance of very high concern (SVHC,\*2) to be a candidate for authorization under the EU REACH Regulations. (chemSHERPA®,\*3)
- (3) Survey on the analysis and evaluation results
- (4) Other surveys necessary to ensure the matters requested as mentioned above

\*2: A substance of very high concern (SVHC) is one meeting the standards in Article 57 of the EU REACH Regulations and selected as a candidate substance for authorization under the procedures in Article 59 of the Regulations.

\*3: chemSHERPA® is a scheme for transmitting information on the chemical substances contained in products, which can be used throughout the supply chain.

Attachment 1: Toshiba Group list of environment-related materials/substances (in products)

**(Appendix 1) Rank A: Prohibited materials/substances (category)**

No.	Material/substance category	Threshold of concentration to be prohibited in supplies to Toshiba Group	Reference laws and regulations
A01	Asbestos	Prohibition of intentional addition	EU REACH Regulation (Annex XVII), JPN Industrial Safety and Health Law (Prohibition of Manufacturing)
A02	Certain azocolourants and azodyes (only those that may release certain amines)	0.003wt% (30ppm) for each generated certain Amine	EU REACH Regulation (Annex XVII)
A03	Cadmium and cadmium compounds	0.01wt% (100 ppm) (*1, 2)	EU RoHS Directive, EU REACH Regulation (Annex XVII), EU Packaging Directive
A04	Hexavalent chromium compounds	0.1wt% (1000 ppm) (*1, 2)	EU RoHS Directive, EU REACH Regulation (Annex XVII), EU Packaging Directive
A05	Lead and lead compounds	0.1wt% (1000 ppm) (*1, 2)	EU RoHS Directive, EU REACH Regulation (Annex XVII), EU Packaging Directive
A06	Mercury and mercury compounds	0.1wt% (1000 ppm) (*1, 2)	EU RoHS Directive, EU REACH Regulation (Annex XVII), EU Packaging Directive
A07	Ozone depleting substances (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)	Prohibition of intentional addition	Montreal Protocol, JPN Ozone Layer Protection Law
A08	Polybrominated biphenyls (PBBs)	0.1wt% (1000 ppm) (*1)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A09	Polybrominated diphenylethers (PBDEs)	Prohibition of intentional addition (only for 4-7, 10 bromine atoms), or 0.1wt% (1000 ppm) (*1)	JPN CSCL (Class 1) (*7) U.S. TSCA PBT Rules (*8) EU RoHS Directive



No.	Material/substance category	Threshold of concentration to be prohibited in supplies to Toshiba Group	Reference laws and regulations
A10	Polychlorinated biphenyls (PCBs)	Prohibition of intentional addition	JPN CSCL (Class 1) (*7) EU REACH Regulation (Annex XVII), EU POPs Regulation
A11	Polychlorinated naphthalenes (more than 1 chlorine atoms)(*3)	Prohibition of intentional addition	JPN CSCL (Class 1) (*7) EU POPs Regulation
A12	Radioactive substances	Prohibition of intentional addition	JPN Act on Prevention of Radiation Hazards due to Radioisotopes, etc JPN Nuclear Reactor Regulation Law
A13	Certain short chain chlorinated paraffins (with a carbon chain length of between 10 and 13)	Prohibition of intentional addition, or 0.1wt% (1000ppm)	JPN CSCL (Class 1) (*7), EU POPs Regulation
A14	Tributyl tin (TBT) and triphenyl tin (TPT)	0.1wt% (1000ppm) of tin in the part(*4)	EU REACH Regulation (Annex XVII)
A15	Tributyl tin oxide (TBTO)	Prohibition of intentional addition, or 0.1wt%(1000ppm) of tin in the part(*4)	JPN CSCL (Class 1) (*7), EU REACH Regulation (Annex XVII)
A16	(deleted)		
A17	(deleted)		
A18	(deleted)		
A19	(deleted)		
A20	(deleted)		
A21	(deleted)		
A22	(deleted)		
A23	(deleted)		
A24	(deleted)		
A25	(deleted)		
A26	(deleted)		
A27	(deleted)		
A28	(deleted)		

No.	Material/substance category	Threshold of concentration to be prohibited in supplies to Toshiba Group	Reference laws and regulations
A29	(deleted)		
A30	(deleted)		
A31	(deleted)		
A32	(deleted)		
A33	2-(2H-1,2,3-benzotriazol-2-yl)-4,6-di-tert-butylphenol (UV-320)	Prohibition of intentional addition	JPN CSCL (Class 1) (*7)
A34	(deleted)		
A35	(deleted)		
A36	(deleted)		
A37	Perfluoro(octane-1-sulfonic acid) (also known as PFOS) or its salt	Prohibition of intentional addition, or 0.1wt% (1000ppm) (in the case of coated material, 1 microgram/m <sup>2</sup> )	JPN CSCL (Class 1) (*7), EU POPs Regulation
A38	Perfluoro(octane-1-sulfonyl) fluoride (also known as PFOSF)	Prohibition of intentional addition, or 0.1wt% (1000ppm) (in the case of coated material, 1 microgram/m <sup>2</sup> )	JPN CSCL (Class 1) (*7) EU POPs Regulation
A39	Polychlorinated terphenyls (PCTs)	0.005wt% (50ppm)	EU REACH Regulation (Annex XVII)
A40	Tri-substituted organostannic compounds (excluding A14 and A15)	0.1wt% (1000ppm) of tin in the part(*4)	EU REACH Regulation (Annex XVII)
A41	Dimethyl fumarate (DMF)	0.00001wt% (0.1ppm)	EU REACH Regulation (Annex XVII)
A42	(deleted)		
A43	(deleted)		
A44	(deleted)		
A45	(deleted)		
A46	(deleted)		
A47	Diocyltin compounds (DOT)	0.1wt% (1000ppm) of tin in the part (*4, 5)	EU REACH Regulation (Annex XVII)
A48	Dibutyltin compounds (DBT)	0.1wt% (1000ppm) of tin in the part (*4, 5)	EU REACH Regulation (Annex XVII)
A49	(deleted)		
A50	Hexabromocyclododecane (HBCD)	Prohibition of intentional addition, or 0.01wt% (100ppm)	JPN CSCL (Class 1) (*7), EU POPs Regulation

No.	Material/substance category	Threshold of concentration to be prohibited in supplies to Toshiba Group	Reference laws and regulations
A51	Certain polycyclic aromatic hydrocarbons (PAHs)	0.0001wt% (1ppm) of the plastic or rubber part (*5)	EU REACH Regulation (Annex XVII)
A52	Bis (2-ethylhexyl)phthalate (DEHP)	0.1wt% (1000ppm) (*6)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A53	Dibutyl phthalate (DBP)	0.1wt% (1000ppm) (*6)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A54	Butyl benzyl phthalate (BBP)	0.1wt% (1000ppm) (*6)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A55	Diisobutyl Phthalate (DIBP)	0.1wt% (1000ppm) (*6)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A56	Phenol, isopropylated phosphate (PIP (3:1))	Prohibition of intentional addition	U.S. TSCA PBT Rules (* 8)
A57	Perfluorooctanoic acid (PFOA), its salts and related compounds	1. PFOA and its salts Prohibition of intentional addition or 0.000025wt% (25ppb) of PFOA including its salts in an article or a mixture 2. PFOA-related compounds 0.0001wt% (1ppm) of one or a combination of PFOA-related compounds, in an article or a mixture	JPN CSCL (Class 1) (*7), EU POPs Regulation

“Intentional addition” means using chemical substances intentionally in forming supply items to bring about specific properties, appearance or quality.

(\*1) The denominator when calculating a threshold value shall be for each homogeneous material. The threshold concentration of metal compound is the mass ratio of metal element to homogeneous material. For example, in the case of cadmium and its compounds, it is the concentration of cadmium element. Only applications exempt from the EU RoHS Directive (hereinafter RoHS) shall be exempt from the prohibition (including exemption applications accepted in future).

(\*2) For packaging materials, the threshold of concentration to be prohibited shall be 0.01wt% (100 ppm) for a total of four materials (cadmium and its compounds, hexavalent chromium compounds, lead and its compounds, and mercury and its compounds) for each homogeneous material composing the package. The threshold concentration of metal compound is the mass ratio of metal element to homogeneous material. For example, in the case of

cadmium and its compounds, it is the concentration of cadmium element.

(\*3) Polychlorinated naphthalene with 1 and more chlorine atoms is prohibited for products destined for the EU that require compliance with EU POPs regulations. Polychlorinated naphthalene with 2 or more chlorine atoms is prohibited for products for other regions.

(\*4) The numerator when calculating a threshold value shall be an equivalent for metal tin (Sn), and the denominator shall be for each molded item or its component (including mixtures only for DBT). Intentional addition for biocides and industrial wastewater treatment applications is prohibited.

(\*5) The target substance groups and uses are listed in the Annex XVII of the EU REACH regulations. However, only the applications allowed for use covered by the exemptions and time limits specified in the Annex XVII of the EU REACH Regulations shall be exempt from the prohibition of use.

(\*6) In the case of the scope of EU RoHS Directive, it is prohibited to contain 0.1wt% (1000ppm) or more of each homogeneous material for each substance. In the case of the scope of EU REACH Regulation, the total content of phthalates is prohibited from containing 0.1wt% (1000ppm) or more of the plasticized material. The applications that are out of scope of EU RoHS Directive or EU REACH Regulation, or are exempted from EU RoHS Directive or EU REACH Regulation shall be exempt from this regulation. (including exemption applications accepted in future).

(\*7) CSCL: Chemical Substances Control Law of Japan

(\*8) The regulations on the five persistent, bioaccumulative, and toxic (PBT) chemicals and PBT-containing products and articles in accordance with the TSCA (U.S. Toxic Substances Control Act) Section 6(h). At the moment, procurement items that are incorporated into articles whose destinations are clearly countries other than the U.S. are not subject to the regulations. In addition, among PIP (3:1), phase-in prohibitions and exemptions are excluded.

**(Appendix 2) Rank B: Managed materials/substances (category)**

No.	(deleted)
B01	(deleted)
B02	(deleted)
B03	(deleted)
B04	Brominated flame retardants, other than PBBs (A08) and PBDEs (A09)
B05	Nickel and its compounds (only parts in contact with human bodies)
B06	Certain phthalates, other than DEHP (A52), DBP (A53), BBP (A54), DIBP (A55) and Designated phthalates (B12)
B07	(deleted)
B08	(deleted)
B09	Perfluorocarbons (PFCs)
B10	Hydrofluorocarbons (HFCs)
B11	Sulfur hexafluoride (SF6)
B12	Substances of Very High Concern (SVHC) under the EU REACH Regulations (*8)
B13	(deleted)
B14	The U.S. TSCA PBT Rules (5 substances) (excluding DecaBDE (A09) and PIP (3:1) (A56)) (* 9)
B15	Next candidate substances for restriction under EU RoHS Directive
B16	Next candidate substances for restriction under Chemical Substances Control Law of Japan Class1

(\*8) The Substances of Very High Concern (SVHC) selected under the procedures specified in the Article 59 of the EU REACH Regulations. The denominator shall be the total mass of a supply item or each component/material.

(\*9) The regulations on the five persistent, bioaccumulative, and toxic (PBT) chemicals and PBT-containing products and articles in accordance with the TSCA (U.S. Toxic Substances Control Act) Section 6(h). At the moment, procurement items that are incorporated into articles whose destinations are clearly countries other than the U.S. are not subject to the regulations.

## Table of revisions

Established on: December 1, 1999

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November 1, 2021

Edition No.	Date of establishment / revision	Reason and contents of revision
1	1999.12.1	Newly issued
2	2003.6.1	Reviewed contents and coverage of the list of environment-related materials/substances (in products)
3	2006.11.1	Reviewed and totally revised the contents of the list of environment-related materials/substances (in products)
4	2011.5.1	Totally revised by reviewing the list of environment-related materials/substances (in products) and changing the control of contained chemical substances to the JAMP
4.1	2015.2.1	Reviewed contents and coverage of the list of environment-related materials/substances (in products)
5	2017.1.1	1. Prohibited Materials/substances (category) (Annex 1, Rank A): Revised annotation (*1) and (*2) and added (*5) 2. Managed materials/substances (category) (Annex 2, Rank B): Changed annotation from (*5) to (*6)
5.1	2019.12.1	1. Revised Toshiba Group's Basic Policy for the Environment 2. Changed URL of JAMP 3. Replaced MSDSplus and AIS form as examples with chemSHERPA®
6	2021.2.1	1. Revised Toshiba Group's Basic Policy for the Environment 2. Revised the list of environment-related materials/substances (in products)
6.1	2021.4.27	Revised the list of environment-related materials/substances (in products) and the annotations
6.2	2021.11.1	Revised the list of environment-related materials/substances (in products) and the annotations