

Niterra Materials Co., Ltd. Green Procurement Guidelines (Ver. 9)



Niterra Materials Co., Ltd.

March 2026

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Niterra Materials Co., Ltd. List of Environment-Related Materials/Substances (in Products)

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Niterra Materials Co., Ltd. List of Environment-Related Materials/Substances (in Products)

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1. Foreword

In recent years, disasters caused by climate change have occurred more frequently around the world, affecting the economic activities of companies. Under such circumstances, climate change has been regarded as an important issue. In addition, “business and human rights” has emerged as another important issue to be addressed. Companies are required to demonstrate and confirm that their activities respect the human rights of people involved in their business and to prevent and mitigate negative impacts. Furthermore, “biodiversity” is also attracting attention.

We, the Niterra Group, aim to solve these social issues through our business. We believe that doing so contributes to the realization of a sustainable society, and we thereby aspire to contribute to making the earth on which we live sustainable. We will work to realize these aspirations in cooperation with our suppliers, who are good partners for the Niterra Group and with whom we enhance mutual trust and strive to realize mutual development.

Please read these Guidelines and agree to abide by them. And let’s put them into practice together. We also ask our suppliers to disseminate these Guidelines to their suppliers and encourage their implementation to ensure that our commitment to CSR and sustainability permeates and is practiced throughout the supply chain.

Niterra Materials Co., Ltd. (NMAT) 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

Niterra Materials Co., Ltd.
Procurement Dept.
Facility Management Dept.

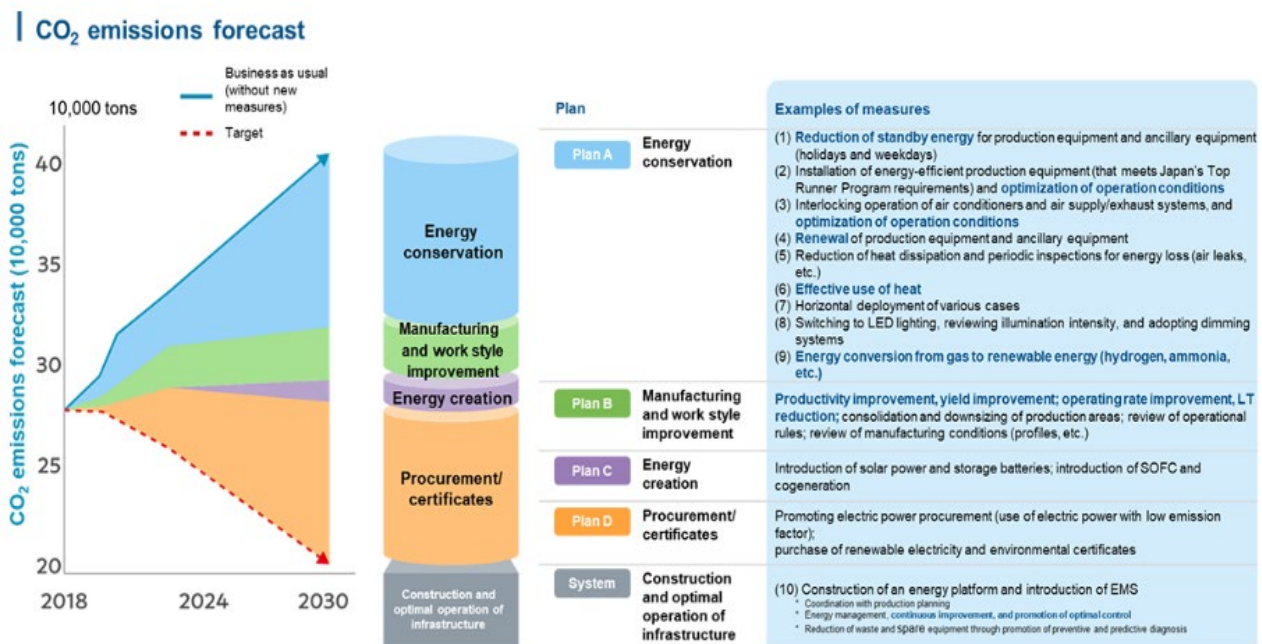
2. Niterra Group's Eco Vision 2030

The Niterra Group's long-term environmental vision, "Eco Vision 2030," identifies 13 material issues based on an analysis of the impact of our businesses and products on society and vice versa. Among these, we have designated four as key material issues: "Response to Climate Change," "Expansion of Environmentally Friendly Products," "Conservation of Water Resources," and "Waste Management," for which we have established specific quantitative targets. Through the implementation of Eco Vision 2030, the entire Group is committed to working together to contribute to the realization of global carbon neutrality and zero emissions. Regarding our response to climate change, we aim to achieve carbon neutrality across the Group's entire value chain by fiscal 2050. As a milestone toward this goal, we have set a target to reduce greenhouse gas emissions by 30% by fiscal 2030 (compared to fiscal 2018 levels).

Niterra Group Eco Vision 2030

<https://www.sustainability.niterragroup.com/ja/themes/528/>

■ Breakdown of Greenhouse Gas Emissions Reduction Targets for Carbon Neutrality



■ Niterra Group's Environmental Action Plan:

<https://www.sustainability.niterragroup.com/ja/themes/527/>

3. Purpose of Green Procurement

At NMAT, in collaboration with our suppliers, we aim to procure products, parts, materials, and services with low environmental impact from partners who proactively promote environmental management. Through these efforts, we will create environmentally friendly products and services that contribute to reducing environmental burdens throughout their lifecycles. In doing so, we will contribute to building a sustainable society based on the three pillars of Eco Vision 2030: a decarbonized society, a circular economy, and a society in harmony with nature.

4. Scope of Application of Green Procurement

The Guidelines apply to all products, parts and components, and materials, etc. (hereinafter collectively referred to as "supply items") to be delivered as well as services to be provided to NMAT.

5. Requests to Suppliers

This section describes specific requests to suppliers. We request that suppliers engage in activities in accordance with the Green Procurement Standards defined by NMAT as well as to conclude agreements with us for assuring environmental quality of supply items and to cooperate in various surveys. We also ask our suppliers to request their suppliers to understand the Guidelines and to promote activities accordingly.

5.1 Promotion of environmental management in accordance with Niterra Group's Procurement Standards

We will prioritize business with suppliers who proactively promote environmental management in accordance with the following procurement standards, which have been established in conjunction with "Eco Vision 2030." (*1).

(1) Construction of an environmental management system

The company has constructed an environmental management system in accordance with ISO14001:2015 or equivalent and can demonstrate conformance to the standard through a third-party certification etc., or is preparing to be able to do so.

(2) Formulation of a basic environmental policy

The company has established its own basic environmental policy that describes the company's thoughts on the environment in detail and has shared the policy within the company.

(3) Promotion of environmental impact reduction activities

We have designated "Response to Climate Change," "Expansion of Environmentally Friendly Products," "Conservation of Water Resources," and "Waste Management" — all key measures of Eco Vision 2030 — as our four key material issues, and are actively engaged in the following activities to reduce environmental impact.

(a) Response to climate change

- Reducing CO₂ emissions to mitigate climate change is a key global issue. Many countries and companies around the globe are seeking to build carbon-neutral societies and are committed to reduce CO₂ emissions throughout the supply chain.
- Reducing CO₂ emissions is a critical issue for our group as a manufacturing company, and it is our responsibility to accomplish the goal.

- Setting forth the CO₂ emissions reduction targets by 2030 toward the goal of attaining carbon neutrality by 2050, we will first work on Scopes 1 and 2, which we can directly control. We set targets to be consistent with the objective of "holding the temperature increase to well below 2°C above pre-industrial levels" in the Paris Agreement. We will make company-wide efforts to take proactive actions looking ahead to achieving carbon neutrality by 2050. The CO₂ Management Committee led by the Executive Officer, which people involved from all businesses join, will manage the progress. Also, we will promote reduction in Scope 3, including the supply chain.

(b) Expanding Environmentally Friendly Products

- Interest in a sustainable society is growing worldwide. Our group is responsible for contributing ourselves to making sustainable society come true through our business and products.
- In approaching environmental issues, it is very important to be aware of the environmental impacts of the entire product life cycle, from raw material extraction to final disposal where the products complete their missions.
- In fiscal 2021, our group established a certification system for environmentally friendly products to assess the environmental impact in the supply chain, including in-house production processes. We annually announce the products that satisfy the certification standards as Niterra Green Products. Through these activities, we accelerate the creation of products that contribute to solve the environmental issues.

(c) Conserving Water Resources

- Our Group has manufacturing bases around the world, and the water demand has been increasing in each base. Global water demand trends are an important environmental issue that should be monitored closely.
 - Water resources are unevenly distributed in the world, and some of the Group's manufacturing bases may face the drought risk in the future due to ongoing climate change. Therefore, we periodically conduct water risk assessments, to determine the current status and estimate the amount of resources required.
- In addition, our group is committed to protecting the environment into the future by promoting the efficient use of water as it is the essential resource.

(d) Waste Management

- Our group uses a variety of raw materials, including ceramics and rare metals. Effective use of resources (reduce waste, reuse and recycle resources) is essential to protect the global environment.
- It is important to reduce the amount of resources input by improving the manufacturing process, and to reduce the landfill of wastes by promoting recycling, for stable resource management into the future.
- At all sites, we will keep promoting group-wide 3R activities for further enhancing effective use of resources and reduction of wastes.

(4) Promotion of management of chemical substances in products delivered to Niterra Materials Co., Ltd.

The company is conducting the following activities to promote delivery of products as well as parts and components, etc. with minimal environmental impacts.

- (a) The company has established response procedures in the event of non-compliance, etc. with respect to its chemical substance management regulations, etc.; has ensured that all parties concerned in the organization are aware of such procedures; and thoroughly investigates the causes and implements recurrence prevention measures.

- (b) The company is aware of the two categories, namely "Rank A (Prohibited materials/substances)" and "Rank B (Managed materials/substances)" (listed in the table below) defined by NMAT for the purpose of managing chemical substances in supply items, and manages chemical substances belonging to each of these categories in accordance with Appendix_NMAT List of Environment-Related Materials/Substances (in Products). (Appendix 1, Appendix 2).

■ Two categories of chemical substance management

Category	Definition	Materials/substances
Rank A (Prohibited materials/substances)	Materials/substances whose presence is prohibited in procurement items (including packaging) in NMAT. Materials/substances whose use in products (including packaging) is prohibited or restricted by domestic and foreign laws and regulations.	Appendix 1
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.	Appendix 2

(5) Other management items

The following activities are being undertaken to address environmental risks and raise environmental awareness.

- (a) Has created a management system for environmental risks, and has procedures in place for preventive and corrective measures (*2).
- (b) Provides employees with environment-related education (*3).
- (c) Has informed the manufacturers of products delivered to NMAT through your company, of the Niterra Materials Co., Ltd. Green Procurement Guidelines and have requested them to comply with the requests to suppliers as described in the Guidelines. Or, the evaluation check sheet of Evaluation of Suppliers' Environmental Management is distributed to manufacturers (subject to trading companies).

(6) Exemptions

Thorium oxide and thorium nitrate for thorium tungsten wire

Thorium tungsten wire uses (contains in the product) thorium oxide, a radioactive substance that is banned in manufacturing processes. However, the material is registered with the government as a radioactive substance, and manufacturing is in compliance with the Atomic Energy Basic Act, the Radiation Hazard Prevention Act, and related enforcement orders and regulations, and the government conducts inspections to ensure compliance. Therefore, thorium oxide and thorium nitrate are exempted from the scope of products covered by these guidelines.

5.2 Conclusion of agreements for assuring the environmental quality of supply items

To ensure the environmental quality of supply 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.

5.3 Cooperation in surveys

To confirm the status of suppliers' initiatives concerning "5.1 Promotion of environmental management in accordance with Niterra Group's Procurement Standards" above, we ask suppliers to cooperate in various surveys, including regarding the following items:

(1) Evaluation of suppliers' environmental management

To strengthen partnerships with suppliers that are proactively engaged in environmental management activities, we periodically evaluate the status of environmental management activities by suppliers. We determine ranks based on the response results, and we prioritize procurement from suppliers who are rated highly. For suppliers with low ratings, NMAT may plan remediation activities, make requests for remediation, and provide guidance and assistance. In addition, if a supplier does not make improvements according to the remediation plan despite receiving a request for remediation and the provision of guidance and assistance, we may stop transactions with said supplier. We would like to ask for the cooperation of our suppliers to consider actively promoting the activity items of this evaluation that have not yet been addressed.

(2) Surveys of chemical materials/substances in supply items

Prior to the approval of new procurement items from suppliers 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 main items of the surveys are as follows:

- Confirmation of the non-use of prohibited materials/substances via the "Declaration of Use/Non-use of Environment-Related Materials/Substances (in Products)"
- Survey on the use/non-use and content of any substance of very high concern (SVHC, *4) to be a candidate for authorization under the EU REACH Regulation (chemSHERPA®, *5)
- Survey on the analysis and evaluation results

(3) Other surveys necessary to ensure "5.1 Promotion of environmental management in accordance with Niterra Group's Procurement Standards" above

- *1: Standard items may differ depending on the supplier's business category, supply item type, necessity, etc. In addition, standard items are subject to change.
- *2: Development and formulation of company-wide policies and regulations on environmental risks such as climate change, which is a global-scale issue, as well as air pollution, water contamination, noise and vibration generation in the company's environ, and also establishment of legal compliance management in accordance with such policies and regulations.
- *3: Promotion of awareness-raising education on the importance of environmental management, compliance, etc.
- *4: Substance of Very High Concern (SVHC). Substances that fall under the criteria defined in Article 57 of the EU REACH Regulation and that have been selected as candidate substances for authorization according to the procedure defined in Article 59 of said regulation.
- *5: A scheme for communicating information on the chemical substances contained in products; this scheme is available across the supply chain.

**<Appendix 1> Niterra Materials Co., Ltd. List of Environment-Related
Materials/Substances (in Products) Rank A: Prohibited materials/substances**

No.	Material/substance category	Threshold of concentration to be prohibited in supplies to NMAT	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% (30 ppm) 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) U.S. TSCA PBT Rules (*7) EU RoHS Directive
A10	Polychlorinated biphenyls (PCBs)	Prohibition of intentional addition	JPN CSCL (Class 1), EU POPs Regulation
A11	Polychlorinated naphthalenes (more than 1 chlorine atoms) (*3)	Prohibition of intentional addition	JPN CSCL (Class 1), 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% (1000 ppm)	JPN CSCL (Class 1), EU POPs Regulation
A14	Tributyl tin (TBT) and triphenyl tin (TPT)	0.1wt% (1000 ppm) of tin in the part (*4)	EU REACH Regulation (Annex XVII)

No.	Material/substance category	Threshold of concentration to be prohibited in supplies to NMAT	Reference laws and regulations
A15	Tributyl tin oxide (TBTO)	Prohibition of intentional addition, or 0.1wt% (1000 ppm) of tin in the part (*4)	JPN CSCL (Class 1), 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)		
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)
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% (1000 ppm) (in the case of coated material, 1 microgram/m ²)	JPN CSCL (Class 1), EU POPs Regulation
A38	Perfluoro (octane-1-sulfonyl) fluoride (also known as PFOSF)	Prohibition of intentional addition, or 0.1wt% (1000 ppm) (in the case of coated material, 1 microgram/m ²)	JPN CSCL (Class 1), EU POPs Regulation
A39	Polychlorinated terphenyls (PCTs)	0.005wt% (50 ppm)	EU REACH Regulation (Annex XVII)
A40	Tri-substituted organostannic compounds (excluding A14 and A15)	0.1wt% (1000 ppm) of tin in the part (*4)	EU REACH Regulation (Annex XVII)
A41	Dimethyl fumarate (DMF)	0.00001wt% (0.1 ppm)	EU REACH Regulation (Annex XVII)
A42	(deleted)		
A43	(deleted)		
A44	(deleted)		

No.	Material/substance category	Threshold of concentration to be prohibited in supplies to NMAT	Reference laws and regulations
A45	(deleted)		
A46	(deleted)		
A47	Dioctyltin compounds (DOT)	0.1wt% (1000 ppm) of tin in the part (*4, 5)	EU REACH Regulation (Annex XVII)
A48	Dibutyltin compounds (DBT)	0.1wt% (1000 ppm) of tin in the part (*4, 5)	EU REACH Regulation (Annex XVII)
A49	(deleted)		
A50	Hexabromocyclododecane (HBCD)	Prohibition of intentional addition, or 0.01wt% (100 ppm)	JPN CSCL (Class 1), EU POPs Regulation
A51	Certain polycyclic aromatic hydrocarbons (PAHs)	1. 0.0001wt% (1 ppm) of the plastic or rubber part (*5) 2. After April 22, 2026, clay targets for clay pigeon shooting shall not be placed on the market or used, whether as a substance or in a mixture, if they contain more than 50 mg/kg (0.005% by weight of the dry weight of the clay target) of the total of the listed PAHs (*5)	EU REACH Regulation (Annex XVII)
A52	Bis (2-ethylhexyl) phthalate (DEHP)	0.1wt% (1000 ppm) (*6)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A53	Dibutyl phthalate (DBP)	0.1wt% (1000 ppm) (*6)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A54	Butyl benzyl phthalate (BBP)	0.1wt% (1000 ppm) (*6)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A55	Diisobutyl Phthalate (DIBP)	0.1wt% (1000 ppm) (*6)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A56	Phenol, isopropylated phosphate (PIP (3:1))	Prohibition of intentional addition	J.S. TSCA PBT Rules (* 7)
A57	Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances	PFOA and its salts Prohibition of intentional addition or 0.0000025wt% (25 ppb) of PFOA including its salts in an article or a mixture PFOA-related compounds 0.0001wt% (1 ppm) of one or a combination of PFOA-related compounds, in an article or a mixture	JPN CSCL (Class 1), EU POPs Regulation
A58	Perfluorocarboxylic acids containing C9 to C14 (C9-C14 PFCAs), their salts and C9-C14 PFCAs-related substances	1. C9-C14 PFCAs and their salts Prohibition of 0.0000025 wt% (25 ppb) of C9-C14 PFCAs including their salts in an article or a mixture 2. C9-C14 PFCAs-related substances 0.000026 wt% (260 ppb) of one or a combination of C9-C14 PFCAs-related substances, in an article or a mixture	EU REACH Regulation (Annex XVII)

No.	Material/substance category	Threshold of concentration to be prohibited in supplies to NMAT	Reference laws and regulations
A59	Perfluorohexanesulfonic acid (PFHxS), its salt and PFHxS-related substances	<ol style="list-style-type: none"> 1. PFHxS and its salts Prohibition of intentional addition or 0.0000025wt% (25 ppb) of PFHxS including its salts in an article or a mixture 2. PFHxS-related compounds 0.0001wt% (1 ppm) of one or a combination of PFHxS-related compounds, in an article or a mixture 	JPN CSCL (Class 1) (*8), EU POPs Regulation
A60	Formaldehyde and formaldehyde-releasing substances	<ol style="list-style-type: none"> 1. Articles shall not be placed on the market after August 6, 2026, if the concentration of formaldehyde released from the articles exceeds the following levels under the test conditions specified in Appendix 14 (*5) <ul style="list-style-type: none"> (a) 0.062 mg/m³ for furniture and wood-based articles; (b) 0.080 mg/m³ for articles other than furniture and wood-based articles. 2. Road vehicles shall not be placed on the market after August 6, 2027, if the concentration of formaldehyde inside the vehicle interior exceeds 0.062 mg/m³ under the test conditions specified in Appendix 14(*5) 	EU REACH Regulation (Annex XVII)
A61	Synthetic polymer microparticles	<ol style="list-style-type: none"> 1. Synthetic polymer microparticles shall not be placed on the market as substances on their own or in mixtures in a concentration equal to or greater than 0.01% by weight, where they are present to confer a sought-after characteristic (*5). 	EU REACH Regulation (Annex XVII)
A62	Perfluorohexanoic acid (PFHxA), its salts, and PFHxA-related substances	<ol style="list-style-type: none"> 1. From October 10, 2026, the following substances shall not be placed on the market or used in applications listed in Annex XVII of the EU REACH Regulation, if they exceed the following concentrations as measured in homogeneous materials (*5). <ul style="list-style-type: none"> • A combined concentration of PFHxA and its salts exceeding 25 ppb; or • A combined concentration of PFHxA-related substances exceeding 1,000 ppb. 	EU REACH Regulation (Annex XVII)

No.	Material/substance category	Threshold of concentration to be prohibited in supplies to NMAT	Reference laws and regulations
A63	N,N-Dimethylacetamide	<ol style="list-style-type: none"> <li data-bbox="624 264 1058 835">1. After December 23, 2026, the substance shall not be placed on the market on its own, as a constituent of other substances, or in mixtures in a concentration equal to or greater than 0.3%, unless manufacturers, importers, and downstream users have included in the relevant chemical safety reports and safety data sheets derived no-effect levels (DNELs) relating to the exposure of workers. Specifically, these correspond to a value of 13 mg/m³ for long-term inhalation exposure and 1.8 mg/kg bw/day for long-term dermal exposure (*5). <li data-bbox="624 875 1058 1413">2. After December 23, 2026, the manufacture or use of the substance on its own, its use as a constituent of other substances, or its inclusion in mixtures in a concentration equal to or greater than 0.3% shall be prohibited. This shall not apply, however, if manufacturers and downstream users implement appropriate risk management measures and ensure that operational conditions are established so that the exposure of workers remains below the DNEL values specified in paragraph 1 (*5). <li data-bbox="624 1453 1058 1727">3. By way of derogation from paragraphs 1 and 2, the obligations set out in those paragraphs shall apply from June 23, 2029, as regards placing on the market for use, or use, as a solvent in the manufacturing of synthetic fibers (*5). 	EU REACH Regulation (Annex XVII)

No.	Material/substance category	Threshold of concentration to be prohibited in supplies to NMAT	Reference laws and regulations
A64	1-Ethylpyrrolidin-2-one	<p>1. After December 23, 2026, the substance shall not be placed on the market on its own, as a constituent of other substances, or in mixtures in a concentration equal to or greater than 0.3%, unless manufacturers, importers, and downstream users have included in the relevant chemical safety reports and safety data sheets derived no-effect levels (DNELs) for workers' long-term exposure of 4.0 mg/m³ for inhalation and 2.4 mg/kg bw/day for dermal exposure (*5).</p> <p>2. After December 23, 2026, the manufacture or use of the substance on its own, its use as a constituent of other substances, or its inclusion in mixtures in a concentration equal to or greater than 0.3% shall be prohibited. However, this shall not apply where manufacturers and downstream users implement appropriate risk management measures and ensure that operational conditions are established so that the exposure of workers remains below the DNEL values specified in paragraph 1 (*5).</p>	EU REACH Regulation (Annex XVII)
A65	Perfluoroalkyl and polyfluoroalkyl substances (PFAS)	<p>The prohibition of the substance is limited to its application as a fire extinguishing agent.</p> <p>1. After October 23, 2030, fire-fighting foams shall not be placed on the market or used if the total concentration of all PFAS is equal to or greater than 1 mg/L (*5).</p> <p>2. By way of derogation from paragraph 1, the concentration of PFAS in fluorine-free fire-fighting foams originating from equipment (excluding portable fire extinguishers) that has been cleaned in accordance with the Best Available Techniques shall not exceed 50 mg/L for the total of all PFAS (*5).</p>	EU REACH Regulation (Annex XVII)

"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 the 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 or 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 Annex XVII of the EU REACH Regulation. However, only the applications allowed for use covered by the exemptions and time limits specified in Annex XVII of the EU REACH Regulation shall be exempt from the prohibition of use. In addition, the use of exempted substances shall comply with the conditions specified in Annex XVII of the EU REACH Regulation.
- (*6) In the case of the scope of the EU RoHS Directive, it is prohibited to contain 0.1wt% (1000 ppm) or more of each homogeneous material for each substance. In the case of the scope of the EU REACH Regulation, the total content of phthalates is prohibited from containing 0.1wt% (1000 ppm) 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 the future).
- (*7) 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).
- (*8) Under the CNCL PFHxS-related substances are excluded.

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

No.	Material/substance category
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 Regulation (*9)
B13	(deleted)
B14	The U.S. TSCA PBT Rules (5 substances) (excluding DecaBDE (A09) and PIP (3:1) (A56)) (*10)
B15	Next candidate substances for restriction under the EU RoHS Directive
B16	Next candidate substances for restriction under the Chemical Substances Control Law of Japan Class 1 (*11)
B17	Per- and polyfluoroalkyl substances (PFASs) (*12) (*13)
B18	Substances subject to chemSHERPA management (*14) published by the Joint Article Management Promotion-consortium (JAMP)

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

Substances on the Candidate List for authorization under the EU REACH Regulation

Under these guidelines, the substances in B18 refer to those on the Candidate List published by the European Chemicals Agency (ECHA) on its website. Please be sure to check the latest version of the list on the ECHA website (<http://echa.europa.eu/home>).

(*10) 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).

(*11) Substances that have been decided to be listed as POPs in Annex A (Elimination) and Annex B (Restriction) of Stockholm Convention are included. Substances will be moved to Rank A when it is determined to be the Chemical Substances Control Law of Japan (Class1).

Reference: List of POPs in the UN Stockholm Convention Annex A (Elimination) and Annex B(Restriction);

<https://chm.pops.int/TheConvention/ThePOPs/AllPOPs/tabid/2509/Default.aspx>

(*12) PFAS as defined in the European Chemicals Agency's (ECHA) draft regulation of perfluoroalkyl compounds and polyfluoroalkyl substances (PFAS)

(*13) PFAS as defined in the Toxic Substances Control Act (TSCA), 40 CFR Part 705, § 705.3 Definitions in accordance with Section 8(a)(7)

(*14) B18: Substances subject to chemSHERPA management published by the Joint Article Management Promotion-consortium (JAMP)

Under these guidelines, the substances in B12 refer to the list provided by JAMP on its website. Please be sure to check the latest version of the list on the chemSHERPA website (<https://chemsherpa.net/>).

Including substances that fall under the following regulations and industry standards.

1. Japan: CSCL (Class 1)

2. U.S.: Substances prohibited or restricted under the TSCA (Toxic Substances Control Act) Section 63. EU ELV Directive 2011/37/EU

4. EU RoHS Directive 2011/65/EU ANNEX II

5. EU POPs Regulation (EC) No 850/2004 ANNEX I

6. EU REACH Regulation (EC) No 1907/2006 Candidate List of SVHC for Authorization and ANNEX XIV (substances subject to authorization)

7. EU REACH Regulation (EC) No 1907/2006 ANNEX XVII (restricted substances)

8. Global Automotive Declarable Substance List (GADSL)

9. IEC 62474 DB Declarable substance groups and declarable substances

Table of revisions

Established on: December 10, 2007

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July 1, 2011

April 1, 2015

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January 6, 2020

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December 23, 2022

September 30, 2023

September 18, 2024

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Edition No.	Date of establishment / revision	Reason and contents of revision
1	December 10, 2007	Newly issued
2	July 1, 2011	Totally revised by reviewing the List of Environment-Related Materials/Substances (in Products) and changing the control of contained chemical substances to the JAMP
2.1	April 1, 2015	Reviewed contents of the List of Environment-Related Materials/Substances (in Products) (In accordance with the Toshiba Green Procurement Guidelines revision dated February 1, 2015)
3	April 1, 2017	Prohibited Materials/substances (category) (Appendix 1, Rank A): Revised annotation (*1) and (*2) and added (*5) Managed materials/substances (category) (Appendix 2, Rank B): Changed annotation from (*5) to (*6)
4	January 6, 2020	Revised Toshiba Group's Basic Policy for the Environment Changed URL of JAMP Added cases in which the company separately specifies purchase specifications to procure supply items containing banned substances due to unavoidable reasons Added chemical analysis method Changed Specified Hazardous Chemical Substances (in Products) to Environment-Related Materials/Substances (in Products)
5	May 10, 2021	Revised Toshiba Group's Basic Policy for the Environment Revised the List of Environment-Related Materials/Substances (in Products) and the annotations
6	December 23, 2022	Changed text to conform to the Toshiba Group version of the Guidelines Revised the List of Environment-Related Materials/Substances (in Products) Added B17 Substances subject to chemSHERPA management (*12) published by the Joint Article Management Promotion-consortium (JAMP)
7	September 30, 2023	Revision of "5. Requests to Suppliers." Mainly revision of the standards and notes of "5.1 Promotion of environmental management in accordance with Toshiba Group's Procurement Standards." Revision of the diagram "Breakdown of Greenhouse Gas Reduction Targets Toward Carbon Neutrality," revision of "<Appendix 2> Toshiba Group List of Environment-Related Materials/Substances (in Products) Rank B: Managed materials/substances (category)" (B16,B17), revision of back cover (adding notes for Basic Commitment of the Toshiba Group) etc. Moved B17 to B18

Edition No.	Date of establishment / revision	Reason and contents of revision
8	September 18, 2024	<p><Appendix 2> Addition of notes(*13) to B17 PFAS of Rank B: Managed materials/substances (category) in < Appendix 2> of Toshiba Materials Co., Ltd. List of Environment-Related Substances (in Products)" in accordance with the revision of the law.</p> <p>Added (a)-3 disclosure of greenhouse gas emissions results to external parties to “(3) Promotion of environmental impact reduction activities " under “5. Requests to Suppliers.”</p> <p>Other changes in wording, etc.</p> <p><Appendix 1> PFHxS, its salt and PFHxS-related substances (A59) added to Rank A: Prohibited materials/substances of List of Environment-Related Materials/Substances (in Products) (Appendix 1)</p>
9	February 25, 2026	<ul style="list-style-type: none"> •Company Name Change •Revision of the Green Procurement Guidelines: The former Toshiba Group Green Procurement Guidelines have been revised and renamed as the Niterra Group Green Procurement Guidelines (Activity Policy). <p><Revision of Annex 1 and Addition of Class A Prohibited Substances (Groups)></p> <ul style="list-style-type: none"> • Addition of Handling Procedures for Exempted Substances in Note 5: Instructions on the measures and handling procedures for exempted substances have been added to the document for (*5). • Addition of Paragraph 2 to A51: A second paragraph has been added to item A51. • Addition of Restricted Substances to A60–A65: New restricted substances have been added to items A60 through A65.



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“Committed to People, Committed to the Future.” is the Basic Commitment of the Toshiba Group.