Nikon Green Procurement Standards

Effective March 1, 2013 (3.4 edition)

NIKON CORPORATION

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Section 1: Nikon's Basic Policy

1. Nikon Basic Environmental Management Policy

Nikon Basic Environmental Management Policy

1. Basic Philosophy

Nikon, based on Nikon Group's corporate philosophy of "Trustworthiness and Creativity," makes coexistence and co-prosperity with the universe, the Earth, the world and local communities among its highest priorities, and aims to pass a sound environment allowing sustainable development of society along to the next generation, prevents environmental pollutions, promotes effective use of resources, aims to build a recyclable society, thus contributing to the conservation and improvement of the global environment.

2. Basic Attitude

Nikon recognizes that measures addressing environmental problems are indispensable for human existence and corporate progress, and makes global environmental conservation efforts as a responsible company by minimizing its impact on the natural environment, including climate and biodiversity. Nikon also spreads these activities to Nikon suppliers as well as Nikon, securing society's trust and sympathy through its excellent products that are friendly to mankind and the Earth.

3. Action Guidelines

(1) We will make every effort to promote waste reduction, reuse and recycling, while encouraging energy and resource conservation, waste reduction and conscientious waste processing, with the goal of creating an environment-conscious recycling society.

(2) We will perform environmental and safety reviews, including reviews on biodiversity, at every stage of planning, development and design, in order to provide products that fully comply with environmental protection aims.

(3) At every level of production, distribution, use and disposal, we will actively introduce materials and equipment that are effective in protecting the environment including biodiversity, strive to develop and improve technologies in this area, and work to minimize environmental burdens.

(4) We will meet targets for reduction of environmental burdens and use of harmful substances, and continue to improve our environmental management system through environmental audits and other means.

(5) We will develop and follow a rigorous code of standards, in addition to observing all environmental conservation treaties, national and regional laws and regulations.

(6) We will conduct ongoing education programs to further employee knowledge of environmental issues and promote employee involvement in environmental activities.

(7) We will provide suppliers with guidance and information to promote optimal environmental protection activities.

(8) We will participate actively in the environmental protection programs of society at large in collaboration with stakeholders, and implement information disclosure.

2. Nikon Basic Green Procurement Policy

Nikon has been promoting sound procurement policies under Nikon Procurement Standards. In keeping with this approach, we introduced Nikon Green Procurement Standards, which are distributed to promote environmentally sound procurement policies.

Nikon Basic Procurement Policy

1. **Sound corporate activities**
   Nikon shall conduct sound and fair corporate activities, while complying with applicable laws and prescriptive social norms.
   Nikon shall also encourage socially responsible behaviour within its supply chain.
2. **Open-door procurement**
   Nikon procures goods and services from global suppliers in as transparent a fashion as possible.
3. **Procurement based on the concept of fair competition**
   Based on the principles of fair, free competition, Nikon assigns top priority to suppliers that offer superior performance in terms of quality, cost, delivery, and corporate reliability.
4. **Procurement based on the concept of partnership**
   Our approach is that Nikon and our suppliers are partners working together to make good products. Under this approach, we work to understand each other, to build a relationship of trust, and to prosper together.
5. **Green procurement**
   For the protection of the global environment, Nikon assigns priority to suppliers that provide consideration for environmental issues and that are actively engaged in environmental preservation activities in the manufacturing process for the procured goods.

Nikon Basic Green Procurement Policy

1. To give priority to the purchase of items produced while taking environmental issues into consideration.
2. To give priority to suppliers who are proactive in caring for and conserving the environment.

Section 2: Nikon Green Procurement Standards

1. Objective

Nikon has established these standards as part of its efforts to offer environmental conscious products in contributing to the establishment of a sustainable society. These standards contain an explanation of the Nikon Group Philosophy, requirements for suppliers, their operations, measures and actions.

Nikon, in cooperation with suppliers proactively involved in environmental protection programs, promotes the implementation of green procurement programs.

2. Applicable scope

1) All the organizations and business activities of suppliers delivering procured products specified in 2) below to Nikon (including their manufacturing processes and chemical substances used in the processes)
2) Procured products:

(1)	Finished products	Products designed and manufactured by third parties contracted by Nikon, and sold with the Nikon brand; and sales promotion goods with the Nikon brand for end users.
(2)	Parts and materials	Parts and materials comprising Nikon products, including: * Units, modules, assembly parts, etc. * Electric parts (substrates, devices, etc.) * Mechanism elements (machinery formed parts, screws, etc.) * Metal materials, resin materials, glass materials, etc. * Product accessories (instruction manuals, warranty certificates, cables, protective covers, etc.) * Indirect materials (adhesives, lubricants, solders, paints, etc.) * Repair parts.
(3)	Packaging	Packaging materials used for Nikon products, finished goods, parts and materials, including packing materials used in transport. Does not include materials controlled by shipping companies or suppliers (returnable containers, invoices, etc.). * Presentation boxes, cardboard, buffer materials, protective bags, films, etc. * Printing inks, labels, tapes, bands, etc. * Palettes, wooden boxes, etc.

3. Definitions of terms

1) Nikon
   Nikon Corporation and the domestic and overseas companies in the Nikon Group. The Group companies where these standards are applied are shown in “Annex 1 Group companies.”
2) Nikon products
   All products manufactured by Nikon, including those sold as Nikon brand products.
3) Environmental management system
   A system comprising an Management System of Environmental Protection and a Management System of Chemical Substances in Products as prescribed in “4.1. Requirements for environmental management systems” below.
   (1) Management System of Environmental Protection
   A system for reducing the environmental burden of business activities. (See “4.1.1. Establishment of an

Management System of Environmental Protection.")

(2) Management System of Chemical Substances in Products
A system for managing and reducing the use of environmental impact chemical substances in procured products specified in (2) Procured products of 2. Applicable scope (See "4.1.2. Establishment of Management System of Chemical Substances in Products.")

4) Environmental impact chemical substances
Chemical substances whose use in products and processes must be prohibited and controlled by suppliers according to Nikon's request and based upon applicable national regulations, both in Japan and overseas, as well as related international conventions (See "4.2. Requirements for environmental impact chemical substances.")

5) Chemical substances in products
Chemical substances contained in procured products defined in "2. Applicable scope 2)." These chemical substances are divided into the following two types:

(1) Prohibited chemical substances in products
Chemical substances whose use in procured products specified in these standards is prohibited (See "4.2.1. Chemical substances standards in products 1) Prohibited chemical substances in products.")

(2) Restricted chemical substances in products
Chemical substances that require appropriate control when used in procured products specified in these standards (See "4.2.1. Chemical substances standards in products 2) Restricted chemical substances in products.")

6) Chemical substances in manufacturing processes
Chemical substances used in suppliers' manufacturing processes. These chemical substances are divided into the following two types. The requirements for these chemical substances may differ in Japan and other countries.

(1) Prohibited chemical substances in manufacturing processes
Chemical substances whose use in manufacturing processes at suppliers is prohibited (See "4.2.2. Chemical substances standards in manufacturing processes 1) Prohibited chemical substances in manufacturing processes.")

(2) Restricted chemical substances in manufacturing processes
Chemical substances that require appropriate control when used in manufacturing processes at suppliers (See "4.2.2. Chemical substances standards in manufacturing processes 2) Restricted chemical substances in manufacturing processes.")

7) Restricted chemical substances
Chemical substances for which suppliers maintain a system to provide information on the type and amount of the substance used, part of the product where the substance is used, manufacturing process in which the substance is used, and others immediately upon request of Nikon

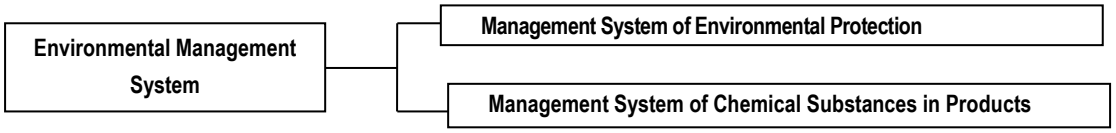
4. Requirements

Nikon encourages all its suppliers to comply with both international convention and national regulation in fulfilling corporate social responsibility. To this end, Nikon requests suppliers to comply with the following requirements for environmental management systems as well as for environmental impact substances used in procured products and their manufacturing processes.

4.1 Requirements for environmental management systems

Nikon requests that suppliers establish an environmental management system, comprising both Management System of Environmental Protection and a Management System of Chemical Substances in Products, as shown in Fig. 1 below. Suppliers are also requested to ensure that their own suppliers have been made aware of and are compliant with Nikon requirements. Suppliers are further requested to provide their own suppliers with all support, guidance, and supervision necessary to ensure that compliance on a continuing basis.

Figure 1: Environmental Management System



4.1.1 Establishment of an Management System of Environmental Protection

The Management System of Environmental Protection is a system for reducing the environmental burden of business activities. The system must also cover environmental impact chemical substances used in manufacturing processes. While a system certified by a third-party certification body is preferable, the supplier's proprietary Management System of Environmental Protection is also acceptable. Nikon requests that suppliers establish one of the following Management System of Environmental Protections.

(1) System certified by ISO 14001
(2) System certified by third-party certification other than ISO 14001
Eco-Action 21, Eco-Stage or Michinoku EMS (These three are Japanese certification systems.)
(3) Supplier's proprietary system

4.1.2 Establishment of Management System of Chemical Substances in Products

The Management System of Chemical Substances in Products is a system for managing and reducing the use of environmental impact substances in products procured as a component of Nikon products.

Nikon requests that suppliers establish a system that matches their size and type of business, and that meets the requirements specified in "Table 1: Management System of Chemical Substances in Products" on the next page.

Management System of Chemical Substances in Products

1 Policy

Declare items to be dealt with in management of chemical substances in products.

2 Planning

2.1 Definition of management criteria

Management criteria to be followed shall be clarified based on legislation and industry criteria related to management of chemical substances, and conveyed to related corporate units.

2.2 Definition of scope of management

'Organizations,' 'business' 'chemical substances in products,' 'constituent materials,' 'processes,' 'products' etc. shall be clarified as the scope of application of management criteria for chemical substances in products.

2.3 Establishment of objectives & planning for implemented processes

Objectives and plans for management of chemical substances in products shall be prepared. Objectives and plans shall be revised as necessary.

2.4 Definition of organizational system, responsibility & authority

Rights and responsibilities for management of chemical substances shall be clarified.

3 Design and development

3.1 Design and development (Terms marked with * are defined below.)

3.1.1 Design for manufacture of substances*/preparations*

When manufacturing substances/preparations, information on chemical substances in raw materials shall be verified, and products shall be designed to satisfy management criteria.

Specify specifications of purchased products if necessary.

3.1.2 Design for manufacture of articles* using substances/preparations

When manufacturing articles from substances/preparations, information on chemical substances in raw materials shall be verified.

Any possible changes in concentration and type of contained chemical substances in processes shall be understood. Furthermore, the product shall be verified as conforming to the management criteria.

3.1.3 Design for manufacture of articles using articles

When manufacturing new articles from existing articles, information on chemical substances in articles (e.g. parts), and conformance of the product to the management criteria, shall be verified.

[Term]

(1) Substance:	Chemical substance (chemical element or compound) Examples: Lead oxide, nickel chloride, benzene
(2) Preparation:	A mixture or solution comprising two or more individual chemical substances Examples: Paints, inks, solders prior to use, adhesives, alloys
(3) Article:	An object which, during production, is given a special shape, surface or design which determines the object's end-use function. Original parts (the first article manufactured through a manufacturing process in which the amounts of chemical substances contained are fixed) are also included. Liquid or granular materials are not regarded as articles. Examples: PCs and their keyboards, keys of a keyboard, resin cases, screws, capacitors

3.2 Purchase management

3.2.1 Verification and acquisition of chemical substances information

Information on the chemical substances in purchased products (IN information) shall be acquired after the verification that it contains the necessary details, and that it is compatible with the management criteria.

For new products and changed products, acquisition and verification of information on chemical substances in accordance with the management criteria shall be completed prior to commencing mass production.

3.2.2 Verification of supplier management status

When selecting a new supplier, the status of management of chemical substances in the supplier's products shall be verified. When continuing with an existing supplier, reconfirmation shall be conducted as necessary. Measures for verification results shall be fixed. Supplier items to be verified, criteria, frequency, and method etc. may be set in relation to risk level.

3.3 Acceptance verification

When accepting purchased products, such products shall be verified as compatible with company management criteria. Items to be verified, criteria, method, and frequency etc. may be selected in relation to the risk level of the purchased products.

3.4 Process management

3.4.1 Preventing incorrect use, admixture and contamination

Implementation of measures to prevent incorrect use, admixture and contamination of chemical substances shall be subject to management.

3.4.2 Appropriate management of reaction process

Management shall ensure that residues do not remain, or are not created, when management criteria for chemical substances subject to management are exceeded, due to changes in constituents and concentrations.

(Continued from previous page)

3.4.3 Management of manufacturing sub-contractors
Management of manufacturing sub-contractors shall be appropriate.

3.5 Shipping Verification
Products shall be shipped after verification that all specified items have been checked, including cases of implementation during acceptance, or during a process.

3.6 Traceability
Product traceability shall be reliable.

3.7 Change Control
Rules for control of changes in management of chemical substances shall be determined, and the following details shall be clarified.

(1) Elemental changes having possible effects on chemical substances
Changes and additions in suppliers, changes in purchased items, and changes in processes etc. (including changes not only in the company such as manufacturing conditions, manufacturing facilities, molds, and jigs, but changes in supplier and sub-contractors etc.).

(2) Company internal and external procedures.
Details to be verified, means of verification, approval processes etc.

(3) Methods of transmitting information inside and outside the company.
Recording changes, notification, identification information etc."

3.8 Non-conformity response
Rules for measures to deal with non-conforming products (emergency measures, determination of causes, preventing reoccurrence, horizontal deployment etc.) shall be determined.

4 Management of human resources, documentation and information

4.1 Education and training
Details of education and training required for management of chemical substances, and related persons shall be identified and implemented.

4.2 Management of documents and records
Rules related to management of chemical substances shall be documented, maintained, and managed. Records of results of operation shall be prepared and stored appropriately.

4.3 Communication (provision of information
Information on chemical substances (OUT information) shall be provided appropriately to Nikon.Appropriate response shall be provided to enquiries on the management system for chemical substances.

5 Performance (state of implementation) evaluation and improvement
Status of management of chemical substances shall be verified periodically through an internal audit and other verification methods, and items requiring improvement shall be improved. Results of verification shall be reported to managers etc.

6 Management review (correction by business management)
When the manager determines, from the results of an internal audit and other verification methods, that there are problems with non-conformance, improvements shall be implemented and reflected in the next objective.

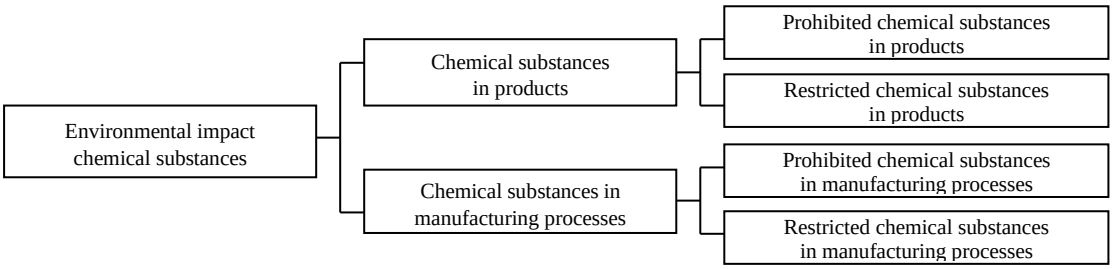
Note: The above requirements are created for the Nikon based on the Guidelines for the Management of Chemical Substances in Products Ver. 2 prepared by the Japan Green Procurement Survey Standardization Initiative (JPGSSI) and the Joint Article Management Promotion-consortium (JAMP).

4.2 Requirements for environmental impact chemical substances

This section describes the basic requirements regarding the use of environmental impact chemical substances used in procured products and manufacturing processes, which have been established by Nikon based upon applicable national regulations, both in Japan and overseas, as well as related international conventions. Suppliers are requested to observe these standards.

However, in cases where a division or a group company of Nikon makes any separate request, that request should be met.

Figure 2: Composition of chemical substances prescribed in these standards



4.2.1 Chemical substances standards in products

1) Prohibited chemical substances in products

The use of these chemical substances in Nikon products is prohibited. See (1) to (6) below for details.

(1) Chemical substances prohibited to be used in procured products (except optical glass, filter glass, and batteries) and their threshold amounts

Table 1: Prohibited chemical substances in products and their threshold amounts

Prohibited substances			Threshold amount [ppm]*1
1	Cadmium and its compounds		100 ppm (metallic conversion)
2	Hexavalent chromium compounds		1000 ppm (metallic conversion)
3	Lead and its compounds		1000 ppm (metallic conversion) 300 ppm (metallic conversion, in PVC cable covering)
4	Mercury and its compounds		1000 ppm (metallic conversion)
5	Polybrominated biphenyls (PBBs)		1000 ppm
6	Polybrominated diphenyl ethers (PBDE)		1000 ppm
7	Polychlorinated biphenyls (PCBs)		Intentionally added*5
8	Polychlorinated terphenyls (PCTs)		Intentionally added*5
9	Polychlrorinated naphthalenes (PCNs with more than 3 chlorine atoms)		Intentionally added*5
10	Short-chain chlorinated paraffins with carbon chain length 10 to 13		Intentionally added*5
11	Tri-substituted organotin compounds	Tributyltin compounds (TBTs) Triphenyltin compounds (TPTs)	1000 ppm (metallic conversion)
		Tributyltin oxide (TBTOs)	Intentionally added*5
12	Dibutyltin compounds (DBT)		1000 ppm (metallic conversion)*6
13	Dioctyltin compounds (DOT)		1000 ppm (metallic conversion)*7
14	Ozone depleting substances (CFCs, HCFCs, others)*2		Intentionally added*5
15	Radioactive substances		Intentionally added*5
16	Asbestos		Intentionally added*5
17	Certain azodyes and pigments*3		Intentionally added*5
18	Polyvinyl chlorides (PVC)*4		Intentionally added*5
19	Perfluorooctane sulfonates (PFOSs)		Intentionally added*5
20	Dimethyl fumarate (DMF)		0.1 ppm
21	2- (2H-1,2,3-benzotriazol-2-yl)-4,6-di-tert- butylphenol		Intentionally added*5

***1 Maximum allowable concentration (by weight) for a homogenous material.**

*2 As specified in the Montreal Protocol.

*3 These produce 22 kinds of aromatic amines, as specified in EU Directive 2002/61/EC. Prohibited from use in leather or textiles that could result in prolonged contact with human skin.

*4 Except in cases where functionality or availability makes substitution of an alternative substance difficult. Refer also to item (4) Precautions when using polyvinyl chloride (PVC) in this section.

*5 Added during manufacturing process, etc., irrespective of quantity. Ordinary impurities do not fall under this category.

*6 Applied to sealant, adhesives, paints and coating from July 1, 2014 (placed on the EU market until December 31, 2014)

*7 Prohibited to the following applications only:
(1) Textile products and their parts that may come in contact with skin;
(2) Two components room temperature vulcanizing mold making kit (RTV02 mold making kit)

(2) Prohibited chemical substances and threshold amount for optical and filter glass

As described on the previous page in item (1) *Chemical substances prohibited from use in materials and their threshold amount*, Nikon prohibits the use of these substances to optical and filter glass. It has also made arsenic a prohibited substance and specified its threshold amount as "intentionally added". The reason being that both Nikon and the optical industry as a whole have strong policies which have resulted in most glass materials already having been converted to eco-materials.

However, the use of cadmium, lead and arsenic is conditionally permitted. The reasons: their substitutions are not available currently because of material technology, and they are essential technically and scientifically to maintain the optical performance required in product designing.

Note: There are no legal restrictions on the use of cadmium, lead, or arsenic in optical and filter glass. For other optical materials such as optical plastic or optical crystal, the prohibitions specified in (1) *Chemical substances prohibited from use in materials and their threshold amount* apply.

(3) Special examples for batteries

Regarding the use prohibited substances in batteries as specified in (1) *Chemical substances prohibited from use in materials and threshold amount* on the previous page, Nikon requires that the use of cadmium and its compounds, hexavalent chromium compounds, lead and its compounds, and mercury and its compounds all comply with EU Batteries Directive (2006/66/EC), and that the use of other substances comply with (1) *Chemical substances prohibited from use in materials and their threshold amount*.

Component parts and members (cases, auxiliary circuits, etc.) other than battery cell are to comply with these standards.

(4) About polyvinyl chloride (PVC)

a) Polyvinyl chloride (PVC) refers to CAS No. 9002-86-2.
b) Vinyl chloride-acetate copolymer is distinct from PVC and is not subject to prohibition.
c) Product examples where PVC is likely to be used:
Molding products, integrated molding products, packaging materials, coatings/pigments/inks, adhesives
d) Exempted applications and product examples where PVC is allowed to be used are shown in the next page.

Table 2: Exempted applications and product examples where PVC is allowed to be used

Application	Usage example
Uses that greatly affect product safety	• power cable • external interface connecting cable • vinyl high-voltage electrical cable • flexible appliance wire, for which substitutions would be difficult
A part of cables having to do with the above and necessitated by manufacturing reasons	• integrated power cable with connector and plug • PVC for ferritic core
In the case that functionality or availability makes substitution of an alternative substance difficult.	• Wrinkle finish coatings • electrical or electronic elements of non-custom products
Applications specified by the customer	

(5) About perfluorooctane sulfonates (PFOSs)
a) Monocular formula
$C_8F_{17}SO_2X$
(X: OH, metallic chloride, halides and other derivatives including amide and polymer)
b) Exempted applications

- Manufacture of etching agent (limited to use for manufacture of compound semiconductor enabling piezoelectric filters or wireless components to transmit and receive radio wave of 3MHz or higher frequency)
- Manufacture of resists for semiconductor
- Manufacture of photographic films for professional use.

* Excluded from exempted applications:
Use as surface preparation agent for coating or its adjusting additive

(6) Exempted applications where prohibited chemical substances in products are allowed to be used
As a principle, Nikon also exempts the same prohibited substances as listed in the Annex (List of applications exempted) to EU RoHS Directive 2011/65/EC.
However, Nikon does not exempt the following application.

The use of lead and cadmium in optical or filter glass

Reason: As described in "(2) Prohibited chemical substances in optical and filter glass products and their threshold amount" on page 11

The exemptions from prohibition shown in "Annex 3: Exempted applications where prohibited chemical substances in products are allowed to be used," and "Annex 4: Exempted applications where prohibited chemical substances in products for medical, monitoring and control equipment are allowed to be used" were verified by Nikon as of January 1, 2013. The RoHS directive is, however, subject to continual revision, and suppliers should be responsible for ensuring that they refer to the latest version when necessary.

2) Restricted chemical substances in products

(1) The following restricted chemical substances are requested to be used under careful management when contained in procured products.

Table 3: Restricted chemical substances in products

1	Antimony and its compounds
2	Arsenic and its compounds
3	Beryllium and its compounds
4	Bismuth and its compounds
5	Nickel and its compounds, except for metallic alloys such as stainless steel. (Restriction limited to uses having potential for direct contact with human body.)
6	Selenium and its compounds
7	Brominated Flame Retardants (Brominated Flame Retardants except PBB and PBDE. When specifying substances included, use either ISO code 1043-4 or CAS No.)
8	Phthalate compounds (Limited to Bis (2-ethylhexyl) phthalate, dibutyl phthalate) Butyl benzyl phthalate (BBP) （CAS №85-68-7） Dibutyl phthalate (DBP) （CAS № 84-74-2） Bis(2-ethylhexyl) phthalate (DEHP) （CAS № 117-81-7） Diisodecyl phthalate (DIDP) （CAS № 26761-40-0, 68515-49-1） Diisononyl phthalate (DINP) （CAS № 28553-12-0, 68515-48-0） Di-n-octyl phthalate (DNOP) （CAS № 117-84-0）

(2) SVHC's in REACH

If any Substance of Very High Concern (SVHC; See Annex 5.) under the EU REACH Regulation is contained in a procured product, it must be used under careful management, and information on the substance must be provided immediately upon separate request by Nikon.

SVHC's in REACH are, however, subject to continual addition, and suppliers should be responsible for ensuring that they refer to the latest version when necessary.

3) Restricted substances in packaging

Packaging materials are subject to the same requirements described in "1) Prohibited chemical substances in products (1) Chemical substances prohibited in procured products (except optical glass, filter glass, and batteries) and their threshold amount." The following four substances, however, have a threshold amount as shown below.

Cadmium, hexavalent chromium, lead, mercury, and their compounds	Total no more than 100 ppm (metallic conversion)

4) Restricted substances in equipment and tools (either general purpose or exclusive)

Equipment and tools, either general purpose or exclusive, and their packaging are exempt from these standards. Suppliers are, however, required to conform to applicable national regulations of each country and relevant international conventions.

4.2.2 Chemical substances standards in manufacturing processes

1) Prohibited chemical substances in manufacturing processes

Suppliers are prohibited from using the following substances in manufacturing processes in Japan.

Manufacturing processes in countries other than Japan are to conform to applicable national regulations of each country and relevant international conventions.

Table 4: Prohibited chemical substances in manufacturing processes in Japan

In compliance with Japanese law	Substances (not including HCFCs) specified in laws and regulations for the protection of the ozone layer. Refer to Annex 6.
	Substances designated as Class 1 in the Law Concerning the Examination and Regulation of Manufacture etc. of Chemical Substances. Refer to Annex 7.
	Hazardous materials prohibited from manufacture in the Industrial Safety and Health Law. Refer to Annex 8.
	Dusts (asbestos, etc.) specified in the Air Pollution Control Law

Note: Nikon has exempted HCFCs from this prohibition because of an agreement reached during the 19th Meeting of the Parties to the Montreal Protocol regarding a schedule to eliminate both consumption and production of HCFCs by 2020.

2) Restricted chemical substances in manufacturing processes

Use of the following restricted substances in manufacturing processes in Japan is to be controlled by the supplier.

Manufacturing processes in countries other than Japan are to conform to applicable national regulations of each country and relevant international conventions.

Table 5: Restricted chemical substances in manufacturing processes in Japan

In compliance with Japanese law	Chemical substances designated as Class 1 in the Pollutant Release and Transfer Register (PRTR) Law (Refer to the Ministry of the Environment web site: http://www.env.go.jp/en/chemi/prtr/prtr.html Subject to change without notice.)
	11 hazardous materials designated as Class 1 in the Soil Contamination Countermeasures Law Carbon tetrachloride 1,2-dichloroethane 1,1-dichloroethane Cis-1,2-dichloroethane 1,3-dichloropropene Dichloromethane Tetrachloroethylene 1,1,1-trichloroethane 1,1,2-trichloroethane Trichloroethylene Benzene

Note: In edition 2.0 of these standards, the Nikon Group has designated hexavalent chromium compounds as a prohibited substance. In this edition (3.0), however, it has been changed to a restricted substance. Since black chrome and chromate surface treatments, especially, could potentially leave residual levels that exceed the maximum ppm values given here, either an alternative treatment or care to ensure that all residual material has been removed is necessary.

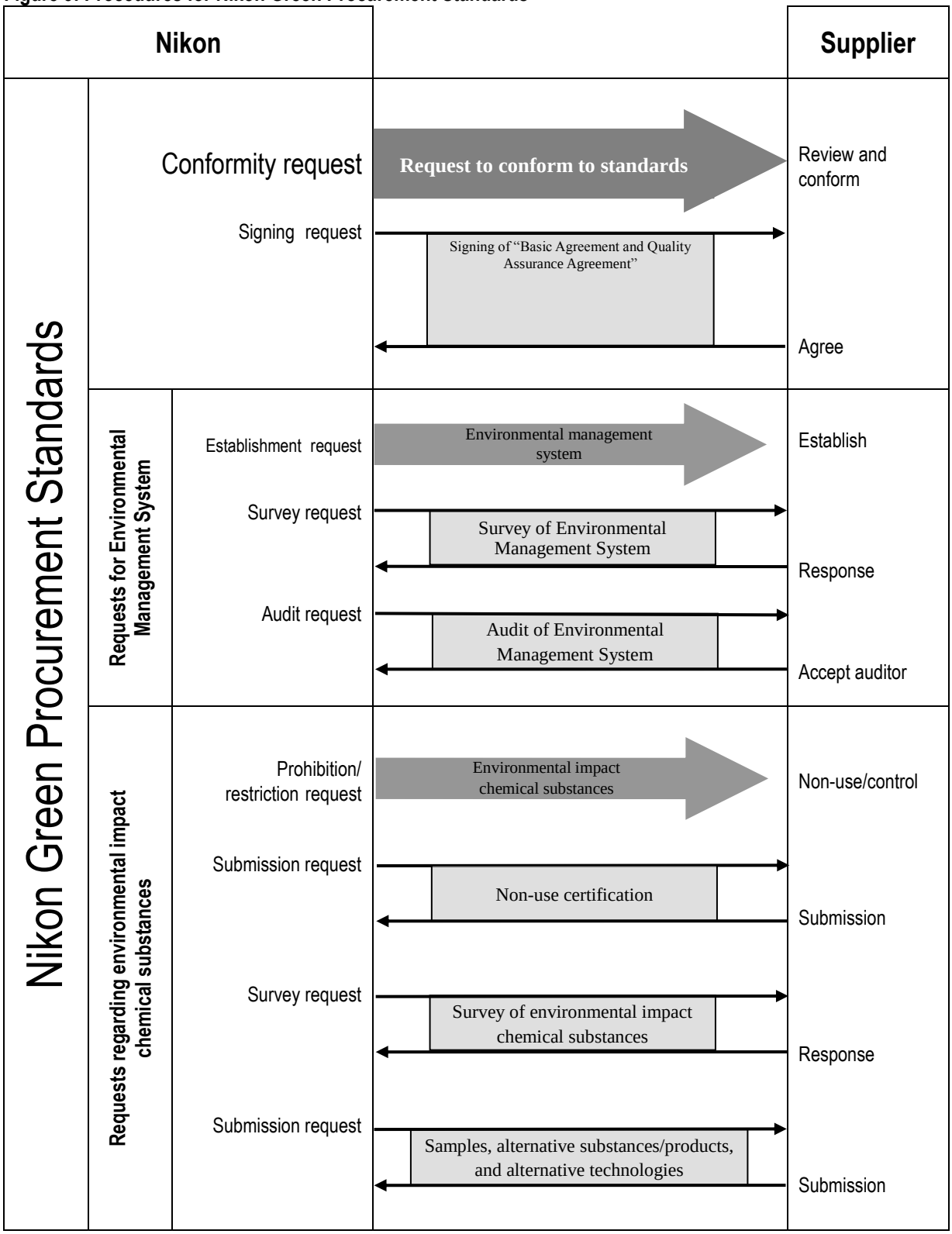
Also, the Nikon Group requests the cooperation of all suppliers in promoting conversion to alternative surface treatments that do not use hexavalent chromium compounds.

It should be noted, however, that hexavalent chromium compounds is one of the chemical substances designated as Class 1 in the PRTR Law, as stated in Table 5: Usable chemical substances under management/control in manufacturing processes.

5. Procedures for Nikon Green Procurement Standards

In order to meet all the requirements stated in "4. Requirements," Nikon requests the cooperation of all suppliers in following the procedures shown below.

Figure 3: Procedures for Nikon Green Procurement Standards



5.1 Basic Agreement and Quality Assurance Agreement

Submission of the signed Basic Agreement and Quality Assurance Agreement (the content of these standards is included in Article 33 (Environmental Management)) is a prerequisite to becoming a supplier to Nikon. This provision signifies that the supplier consents to conform to the standards as well as to cooperate upon request with Nikon in matters related to these standards.

Responsible unit/company: Procurement & Facilities Management Department or applicable Nikon Group Company

The applicable Nikon business unit or Nikon Group Company will contact and request each supplier to sign the agreement and will collect it.

5.2 Surveys and audits of environmental management system

Surveys and audits of environmental management system are promoted by Procurement & Facilities Management Department, or at each Nikon Group Company.

5.2.1 Environmental management system surveys

Nikon requests that all suppliers who have agreed to comply with these standards submit a written description of their Management System of Environmental Protection and Management System of Chemical Substances in Products in the form of answers to a questionnaire regarding their environmental management system.

Suppliers to both Nikon Corporation and Nikon Group companies are permitted to return only the section regarding their environmental management system for products supplied to Nikon Corporation.

Responsible unit/company: Procurement & Facilities Management Department or applicable Nikon Group Company

The applicable Nikon business unit or Nikon Group Company will contact and request each supplier to fill out the questionnaire and will collect it.

5.2.2 Environmental management system audits

Nikon reserves the right to visit and audit as necessary the environmental management system of all suppliers who have agreed to comply with these standards.

The purpose of such an audit is to confirm the performance of both the Management System of Environmental Protection and Management System of Chemical Substances in Products. Nikon implements these audits only with the prior understanding of the supplier, but will also request that the supplier prepare in advance documentation necessary to substantiate the audit.

Responsible unit/company: Procurement & Facilities Management Department, or applicable Nikon business unit or Nikon Group Company

5.2.3 Nikon Environmental Partner designation

Upon completion of an environmental management system survey and audit, Nikon certifies suppliers who have achieved an outstanding overall assessment as a Nikon Environmental Partner.

It is important to bear in mind that this certification, however, relates to the supplier's environmental management system itself, not to procured products. Nikon does, however, give priority to doing business with its Environmental Partners, and endeavors to boost mutual understanding as well as to create a common advantage as we contribute to the formation of a sustainable society.

Responsible unit: Procurement & Facilities Management Department

5.3 Requirements for environmental impact chemical substances

The timing and methods by which the requirements of these standards for environmental impact chemical substances are applied will be determined and implemented by each Nikon business unit in accordance with the Nikon Basic Environmental Management Policy and the Nikon Basic Green Procurement Policy. However, regarding the operations of group companies, the timing and methods will be determined by each group company.

Therefore, it is possible that discrepancies could arise between a Nikon business unit and Nikon Group Companies in their requirements for environmental impact chemical substances.

5.3.1 Non-use guarantee

Nikon requests that suppliers submit in writing guarantee of non-use to attest that procured products conform to these standards (Annex 3). Details of this submission are determined by each Nikon business unit and Nikon Group Company.
Responsible unit/company: Applicable Nikon business unit or Nikon Group Company

5.3.2 Survey of environmental impact chemical substances

Nikon performs surveys on the use of environmental impact chemical substances. The content, format, and necessary substantiating documentation are determined by each Nikon business unit or Nikon Group Company.

Also, it is requested that a report be filed with Nikon whenever a change in the use of environmental impact chemical substances is implemented.

Depending upon the results of the survey, Nikon could request with the prior understanding of the supplier to audit its manufacturing processes.
Responsible unit/company: Applicable Nikon business unit or Nikon Group Company

5.3.3 Submission of alternative products and technologies

In order to eliminate the use of prohibited chemical substances in products and manufacturing processes, Nikon requests the cooperation of suppliers in submitting samples of the whole or part of products for evaluation and analysis, switching to alternative products or materials, and introducing alternative technologies.
Responsible unit/company: Applicable Nikon business unit or Nikon Group Company

6. Measures in response to requirements

6.1 Environmental management system

Nikon reserves the right to request that suppliers implement enhancements if they do not satisfy the requirements of these standards. Nikon will provide its full cooperation and support to any supplier that continues to participate proactively in the implementation of such enhancements, even if they should prove difficult to achieve.

In the event that a supplier proves, however, to be unwilling or incapable of implementing these enhancements, Nikon further reserves the right to cease procurement.

6.2 Environmental impact chemical substances

Nikon requests that suppliers submit the non-use guarantee and respond to surveys on environmental impact chemical substances. In the event that a supplier is found to be using any of the prohibited substances in products or manufacturing processes specified in these standards, Nikon reserves the right to request the supplier to stop using the substance, replace it with an alternative substance, and/ or introduce alternative technology.

In the event that a supplier proves, however, to be unwilling or incapable of implementing these enhancements, Nikon further reserves the right to cease procurement.

7. Standards revision

Nikon will undertake to revise these standards as necessary to remain in step with changes in applicable laws and regulation or as stipulated by the expectations of the general public. Notification of revisions will be made in writing in a timely fashion. If necessary, notification of deadlines for complying with such revisions will be made in writing after mutual consultation.

8. Handling of information from all suppliers

Proprietary information provided to Nikon as a part of compliance with these standards will be handled in the strictest confidentiality, as stipulated in the Nikon Basic Suppliers Contract*. (*Currently, only Japanese version is available.)

Annexes

Annex 1: Group companies

(As of January 1, 2013)

The number of these Nikon Group Companies may change from time to time.

Japan			
1	Tochigi Nikon Precision Co., Ltd.	10	Nikon Optical Shop Co., Ltd.
2	Miyagi Nikon Precision Co., Ltd.	11	Nikon–Essilor Co., Ltd.
3	Nikon Tec Corporation	12	Nikon Systems Inc.
4	Tochigi Nikon Corporation	13	Nikon Business Service Co., Ltd.
5	Sendai Nikon Corporation	14	Nikon Tsubasa Inc.
6	Nikon Imaging Japan Inc.	15	Nikon and Essilor International Joint Research Center Co., Ltd.
7	Nikon Vision Co., Ltd.		
8	Kurobane Nikon Co., Ltd.	16	Nikon Engineering Co., Ltd.
9	Nikon Instech Co., Ltd.	17	Hikari Glass Co., Ltd.
Americas			
18	Nikon Americas Inc.	23	Nikon Mexico, S.A. de C.V.
19	Nikon Precision Inc.	24	Nikon do Brasil Ltda.
20	Nikon Research Corporation of America	25	Nikon Instruments Inc.
21	Nikon Inc.	26	Nikon Metrology, Inc.
22	Nikon Canada Inc.	27	Nikon Metrology Canada, Inc.
Europe			
28	Nikon Holdings Europe B.V.	37	Nikon s.r.o.
29	Nikon Precision Europe GmbH	38	Nikon Polska Sp.z o.o.
30	Nikon Europe B.V.	39	Nikon (Russia) LLC
31	Nikon AG	40	Nikon Instruments Europe B.V.
32	Nikon GmbH	41	Nikon Instruments S.p.A.
33	Nikon U.K. Ltd.	42	Nikon Metrology NV
34	Nikon France S.A.S.	43	Nikon Metrology GmbH
35	Nikon Nordic AB	44	Nikon Metrology U.K. Ltd.
36	Nikon Kft	45	Nikon Metrology SARL
Asia and Oceania			
46	Nikon Holdings Hong Kong Limited	57	Nikon Sales (Thailand) Co., Ltd.
47	Nikon Precision Korea Ltd.	58	Nikon Middle East FZE
48	Nikon Precision Taiwan Ltd.	59	Nikon Imaging Korea Co., Ltd.
49	Nikon Precision Singapore Pte Ltd	60	Nikon (Thailand) Co., Ltd.
50	Nikon Precision Shanghai Co., Ltd.	61	Nikon Imaging (China) Co., Ltd.
51	Nikon Hong Kong Ltd.	62	Nikon International Trading (Shenzhen) Co., Ltd.
52	Nikon Singapore Pte Ltd	63	Nikon Instruments (Shanghai) Co., Ltd.
53	Nikon (Malaysia) Sdn. Bhd.	64	Nikon Instruments Korea Co., Ltd.
54	Nikon Imaging (China) Sales Co., Ltd.	65	Guang Dong Nikon Camera Co., Ltd.
55	Nikon Australia Pty Ltd	66	Hang Zhou Nikon Camera Co., Ltd.
56	Nikon India Private Limited	67	Nanjing Nikon Jiangnan Optical Instrument Co., Ltd.

Annex 2: “Non-use guarantee” (Example)

Date:_____

Nikon Corporation

_____(Dept.)

Company name:_____

Department name:_____

Manager’s Name:_____

Non-Use Guarantee (Example for Nikon Corporation)

Having reviewed and understood the “Nikon Green Procurement Standards,” we have proactively responded to requests from Nikon Corporation’s related departments regarding their survey and audit of our environmental management system as a part of our compliance with those standards.

As a part of that compliance, and in accordance with a request dated _____ from Nikon Corporation’s related departments, we hereby submit the following list of parts, products, and their packaging that we now supply to Nikon, and further certify that these parts, products, and their packaging comply with the conditions stipulated in the “Nikon Green Procurement Standards.”

Product code/Drawing No.	Name of procured product	Remarks

Annex 3: Exempted applications where prohibited chemical substances in products are allowed to be used

No.	Exempted applications		Scope and period of application
1	Single-capped (compact) fluorescent lamps not containing mercury exceeding the amount stated below (per burner)		
1(a)	For general lighting of less than 30 W	2.5 mg	
		2.5 mg	
1(b)	For general lighting of 30 W or greater and less than 50 W	3.5 mg	
1(c)	For general lighting of 50 W or greater and less than 150 W	5 mg	
1(d)	For general lighting of 150 W or greater	15 mg	
1(e)	For general lighting with circular or square tube with a diameter of 17 mm or less	7 mg	
1(f)	For special purposes	5 mg	
2(a)	Double-capped linear fluorescent lamp for general lighting not containing mercury exceeding the amount stated below (per lamp)		
2(a)(1)	Lamp of 9 mm or less in diameter with a normal lifetime using tri-band phosphor (E.g. T2)	4 mg	
2(a)(2)	Lamp of 9 mm or greater and less than 17 mm in diameter with a normal lifetime using tri-band phosphor (E.g. T5): 5 mg	3 mg	
2(a)(3)	Lamp greater than17 mm but not greater than 28 mm in diameter with a normal lifetime using tri-band phosphor (E.g. T8)	3.5 mg	
2(a)(4)	Lamp greater than 28 mm in diameter with a normal lifetime using tri-band phosphor (E.g. T12)	3.5 mg	
2(a)(5)	Lamp with a long lifetime (25,000 hours or longer) using tri-band phosphor	5 mg	
2(b)	Other fluorescent lamps not containing mercury exceeding the amount stated below (per lamp)		
2(b)(2)	Non-linear halophosphate fluorescent lamp (all diameters)	15 mg	Expired on April 13, 2016
2(b)(3)	Non-linear lamp greater than 17 mm in diameter using tri-band phosphor (E.g. T9)	15 mg	
2(b)(4)	Other lamps for general lighting and special purposes (E.g. Induction lamp)	15 mg	
3	Cold cathode fluorescent lamp and external electrode fluorescent lamp (CCFL and EEFL) for special purposes not containing mercury exceeding the amount stated below (per lamp)		
3(a)	Short-length lamp (500 mm or less)	3.5 mg	
3(b)	Medium-length lamp (over 500 mm and 1,500 mm or less)	5 mg	
3(c)	Long-length lamp (over 1,500 mm)	13 mg	
4(a)	Other low-pressure discharge lamp (per lamp)	15 mg	
4(b)	High-pressure sodium (vapor) lamp for general lighting with improved color rendering index of more than 60 on average and not containing mercury exceeding the amount stated below per burner		
4(b)-I	P (lamp wattage) $\leqq$ 155 W	30 mg	
4(b)-II	155 W < P $\leqq$ 405 W	40 mg	
4(b)-III	405 W < P	40 mg	
4(c)	Other high-pressure sodium (vapor) lamp for general lighting not containing mercury exceeding the amount stated below (per burner)		
4(c)-I	P (lamp wattage) $\leqq$ 155 W	25 mg	
4(c)-II	155 W < P $\leqq$ 405 W	30 mg	
4(c)-III	405 W < P	40 mg	
4(d)	Mercury contained in high-pressure mercury (vapor) lamp (HPMV)	No limitation	Expired on Apr. 13, 2015
4(e)	Mercury contained in metal halide lamp (MH)		
4(f)	Mercury contained in other lamps not specified in this annex		
5(a)	Lead in glass of CRT (cathode-ray tubes and cold cathode fluorescent tubes)		
5(b)	Glass fluorescent tube not containing lead exceeding 0.2 wt%		
6(a)	Lead of less than 0.35 wt% contained in steel or zinc-coated steel plate as alloy constituent for mechanical processing		
6(b)	Lead of 0.4 wt% or less contained as alloy constituent in aluminum		
6(c)	Copper alloy containing 4 wt% or less lead		
7(a)	Lead contained in high-melting-point solders (lead alloys containing lead of 85% or greater)		

7(b)	Lead contained in solder for servers, storage, storage array systems, networking infrastructure equipment for switching, transmitting, receiving, and dispatching signals and telecommunications network control	
7(c)-I	Lead contained in electric/electronic parts including glass or ceramics containing lead excluding dielectric ceramics in condensers (E.g. piezo elements and glass or ceramic matrix compounds)	
7(c)-II	Lead contained in dielectric ceramics in a condenser of rated voltage at AC 125 V or DC 250 V or higher	
No.	Exempted Applications	Scope of Application and Expiration Date
7(c)-III	Lead contained in dielectric ceramics in a condenser of rated voltage less than AC 125 V or DC 250 V	* After the expiry date, for spare parts for electric/electronic equipment released before Jan. 1, 2013
7-(c)-(IV)	Lead in PZT dielectric ceramics for condensers consisting of integrated circuit or discrete semiconductor	Expires on July 21, 2016.
8(a)	Cadmium and its compounds contained in one shot pellet type thermal cutoffs	For spare parts for electric/electronic equipment placed on the market before Jan. 1, 2012
8(b)	Cadmium and its compounds in electric contacts	
9	0.75 wt% or less hexavalent chromium contained in cooling solution to prevent corrosion in the carbon steel cooling system for absorption refrigerators	
9(b)	Lead contained in bearing shells and bushes for refrigerant pipes, including compressors for heaters, air-ventilators, air-conditioners and freezing and refrigeration equipment (HVACR)	
11(a)	Lead for C-press compliant pin connector systems	For spare parts for electric/electronic equipment placed on the market before Sep. 24, 2010
11(b)	Lead for connector systems other than C-press compliant pin connector systems	* After the expiry date, for spare parts for electric/electronic equipment placed on the market before Jan. 1, 2013
12	Lead as coating material for thermal conduction module C-rings	For spare parts for electric/electronic equipment placed on the market before Sep. 24, 2010
13(a)	Lead contained in white glass used for optical applications	
13(b)	Cadmium and lead contained in filter glass and glass used for reflectance standards	
14	Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80 wt% and less than 85 wt%	For spare parts for electric/electronic equipment placed on the market before Jan. 1, 2011
15	Lead in solders necessary to complete a viable electric connection between semiconductor die and carrier within integrated circuit flip chip packages	
16	Lead in linear incandescent lamps with silicate coated tubes	Expires on Sep. 1, 2013
18(b)	Lead as activator in the fluorescent powder (lead of 1 wt% or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP (BaSi2O5:Pb)	
21	Lead and cadmium in printing inks for the application of enamels on borosilicate glasses	
23	Lead in finishes of fine pitch components with a pitch of 0.65 mm or less	For spare parts for electric/electronic equipment placed on the market before Sep. 24, 2010
24	Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors	
25	Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, especially in the seal frit and frit ring	
29	Lead contained in crystal glass as defined in Annex I (Categories 1,2,3 and 4) of Council Directive 69/493/EEC (1)	
30	Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) or more	
31	Lead in soldering materials in mercury free flat fluorescent lamps (which are used for liquid crystal displays, design and industrial lighting, etc.)	
32	Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes	
33	Lead in solders for soldering of thin copper wires of 100 µm diameter or less in power transformers	
34	Lead in cermet-based trimmer potentiometer elements	
37	Lead in plating layer of high-voltage diodes on the basis of a zinc borate glass body	
38	Cadmium and cadmium oxide in thick film pastes used on aluminum bonded beryllium oxide	
39	Cadmium in color converting II-VI LEDs (Cadmium per mm^2 of light-emitting area < 10µg) for use in solid state illumination or display systems	Expires on June 1, 2014
40	Cadmium in photoresist for analog photocouplers applied to professional audio devices	Expires on Dec. 31, 2013

Annex 4: Exempted applications where prohibited chemical substances in products for medical, monitoring and control equipment are allowed to be used

Equipment utilizing or detecting ionizing radiation	
1	Lead, cadmium and mercury in detectors for ionizing radiation
2	Lead bearings in X-ray tubes
3	Lead in electromagnetic radiation amplification devices: micro-channel plate and capillary plate
4	Lead in glass frit of X-ray tubes and image intensifiers and lead in glass frit binder for assembly of gas lasers and for vacuum tubes that convert electromagnetic radiation into electrons (supplementary note: equivalent of electronic tubes in photoelectric conversion)
5	Lead in shielding for ionizing radiation
6	Lead in X-ray test objects
7	Lead stearate X-ray diffraction crystals
8	Radioactive cadmium isotope source for portable X-ray fluorescence spectrometers
Sensors, detectors and electrodes	
1a	Lead and cadmium in ion selective electrodes including glass of pH electrodes
1b	Lead anodes in electrochemical oxygen sensors
1c	Lead, cadmium and mercury in infrared light detectors
1d	Lead in reference electrodes: mercury chloride, mercury sulfide and mercury oxide
Others	
9	Cadmium in helium-cadmium lasers
10	Lead and cadmium in atomic adsorption spectroscopy lamps
11	Lead in alloys for superconductors and thermal conductors in MRI
12	Lead and cadmium in metallic bonds to superconducting materials in MRI and SQUID detectors
13	Lead in counterweights
14	Lead in single crystal piezoelectric materials for ultrasonic transducers
15	Lead in solders for bonding to ultrasonic transducers
16	Mercury in very high accuracy capacitance and loss measurement bridges and in high frequency RF switches and relays in monitoring and control instruments not exceeding 20 mg of mercury per switch or relay
17	Lead in solders in portable emergency defibrillators
18	Lead in solders of high performance infrared imaging modules to detect in the range 8 – 14 μm
19	Lead in liquid crystal on silicon displays
20	Cadmium in X-ray measurement filters

Annex 5: SVHC's in REACH

* SVHC's in REACH are subject to continual addition, and suppliers should be responsible for ensuring that they refer to the latest version when necessary.
The following list is as of December 19, 2012.
For the latest edition, refer to ECHA website. http://echa.europa.eu/web/guest/candidate-list-table

№	Substance (English)	Substance (Japanese)	Abbreviation	EC №	CAS №
1	Anthracene	アントラセン		204-371-1	120-12-7
2	4,4'- diaminodiphenylmethane	4，4'-ジアミノジフェニルメタン （別名 4，4'-メチレンジアニリン）	MDA	202-974-4	101-77-9
3	Dibutyl phthalate	フタル酸ジ-n-ブチル	DBP	201-557-4	84-74-2
4	Cobalt dichloride	塩化コバルト(Ⅱ)		231-589-4	7646-79-9
5	Diarsenic pentaoxide	五酸化二砒素		215-116-9	1303-28-2
6	Diarsenic trioxide	三酸化二砒素		215-481-4	1327-53-3
7	Sodium dichromate	二クロム酸ナトリウム （別名 重クロム酸ナトリウム）		234-190-3 ―	10588-01-9 （anhydride） 7789-12-0 （dihydrate）
8	5-tert-butyl-2,4,6-trinitro-m-xylene （musk xylene）	2，4，6-トリニトロ-5-t-ブチル -1，3-キシレン		201-329-4	81-15-2
9	Bis (2-ethylhexylphthalate)	フタル酸ビス（2-エチルヘキシル）	DEHP	204-211-0	117-81-7
10	Hexabromocyclododecane and all major diastereoisomers identified:	ヘキサブロモシクロドデカン	HBCDD	247-148-4	25637-99-4
				221-695-9	3194-55-6
			α-HBCDD	―	134237-50-6
			β-HBCDD	―	134237-51-7
			γ-HBCDD	―	134237-52-8
11	Alkanes, C10-13, chloro （Short chain chlorinated paraffins）	塩素化パラフィン（短鎖）	SCCPs	287-476-5	85535-84-8
12	Bis(tributyltin)oxide	ビス(トリブチルスズ)オキシド	TBTO	200-268-0	56-35-9
13	Lead hydrogen arsenate	砒酸鉛		232-064-2	7784-40-9
14	Benzyl butyl phthalate	フタル酸-n-ブチル＝ベンジル	BBP	201-622-7	85-68-7
15	Triethyl arsenate	砒酸トリエチル		427-700-2	15606-95-8
16	Anthracene oil	アントラセン油		292-602-7	90640-80-5
17	Anthracene oil, anthracene paste, distn. Lights	アントラセン油 （アントラセンペースト、軽沸成分）		295-278-5	91995-17-4
18	Anthracene oil, anthracene paste, anthracene fraction	アントラセン油 （アントラセンペースト、アントラセン留分）		295-275-9	91995-15-2
19	Anthracene oil, anthracene-low	アントラセン油 （アントラセン低含有）		292-604-8	90640-82-7
20	Anthracene oil, anthracene paste	アントラセン油 （アントラセンペースト）		292-603-2	90640-81-6
21	Pitch, coal tar, high temp.	高温コールタールピッチ	CTPHT	266-028-2	65996-93-2
22	2,4-dinitrotoluene	2，4－ジニトロトルエン		204-450-0	121-14-2
23	Diisobutyl phthalate	フタル酸ジイソブチル	DIBP	201-553-2	84-69-5
24	Lead chromate	クロム酸鉛(II)		231-846-0	7758-97-6
25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	硫酸モリブデン酸クロム酸鉛 （C．I．ピグメントレッド104）		235-759-9	12656-85-8
26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	安息香酸ナトリウム （C．I．ピグメントイエロー34）		215-693-7	1344-37-2
27	Tris(2-chloroethyl)phosphate	トリス（2－クロロエチル） ＝ホスファート	TCEP	204-118-5	115-96-8
28	Acrylamide	アクリルアミド		201-173-7	79-06-1
29	Trichloroethylene	トリクロロエチレン		201-167-4	79-01-6
30	Boric acid	ホウ酸		233-139-2 234-343-4	10043-35-3 11113-50-1
31	Disodium tetraborate, anhydrous	四ホウ酸二ナトリウム		215-540-4	1303-96-4 1330-43-4 12179-04-3
32	Tetraboron disodium heptaoxide, hydrate	七酸化二ナトリウム四ホウ素水和物		235-541-3	12267-73-1
33	Sodium chromate	クロム酸ナトリウム		231-889-5	7775-11-3
34	Potassium chromate	クロム酸カリウム		232-140-5	7789-00-6
35	Ammonium dichromate	二クロム酸アンモニウム		232-143-1	7789-09-5
36	Potassium dichromate	二クロム酸カリウム		231-906-6	7778-50-9
37	Cobalt(II) sulphate	硫酸コバルト（Ⅱ）		233-334-2	10124-43-3
38	Cobalt(II) dinitrate	硝酸コバルト（Ⅱ）		233-402-1	10141-05-6
39	Cobalt(II) carbonate	炭酸コバルト（Ⅱ）		208-169-4	513-79-1
40	Cobalt(II) diacetate	酢酸コバルト（Ⅱ）		200-755-8	71-48-7
41	2-Methoxyethanol	2－メトキシエタノール		203-713-7	109-86-4
42	2-Ethoxyethanol	2－エトシキエタノール		203-804-1	110-80-5
43	Chromium trioxide	三酸化クロム		215-607-8	1333-82-0
44	Acids generated from chromium trioxide and their oligomers Group containing: ・Chromic acid ・Dichromic acid ・Oligomers of chromic acid and Dichromic acid	三酸化クロムとその オリゴマーから生産される酸 ・クロム酸 ・重クロム酸 ・クロム酸と重クロム酸のオリゴマー		231-801-5 236-881-5 not yet assigned	7738-94-5 13530-68-2 not yet assigned
45	2-ethoxyethyl acetate	2－エトキシエチル＝アセタート		203-839-2	111-15-9

№	Substance (English)	Substance (Japanese)	Abbreviation	EC №	CAS №
46	Strontium chromate	クロム酸ストロンチウム(II)		232-142-6	7789-06-2
47	1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	フタル酸ジアルキル(C＝6～20)	DHNUP	271-084-6	68515-42-4
48	Hydrazine	ヒドラジン		206-114-9	302-01-2 7803-57-8
49	1-methyl-2-pyrrolidone	N－メチル－2－ピロリドン		212-828-1	872-50-4
50	1,2,3-trichloropropane	1，2，3－トリクロロプロパン		202-486-1	96-18-4
51	1,2-benzenedicarboxylic acid di-C6-8-branched alkyl esters, C7-rich	1，2－ベンゼンジカルボン酸(ジ－C6－8－分岐アルキルエステル類を含む)	DIHP	276-158-1	71888-89-6
52	Lead styphnate	2，4，6－トリニトロ－1，3－ベンゼンジオール鉛(II)塩		239-290-0	15245-44-0
53	Lead azide Lead diazide	アジ化鉛(II)		236-542-1	13424-46-9
54	Lead dipicrate	ニピクリン酸鉛		229-335-2	6477-64-1
55	Phenolphthalein	3，3－ビス(4－ヒドロキシフェニル)イソベンゾフラン－1(3H)－オン		201-004-7	77-09-8
56	2,2'-dichloro-4,4'-methylenedianiline	2，2'－ジクロロ－4，4'－メチレンジアニリン	MOCA	202-918-9	101-14-4
57	N,N-dimethylacetamide	N，N－ジメチルアセトアミド	DMAC	204-826-4	127-19-5
58	Trilead diarsenate	ヒ酸鉛(II)		222-979-5	3687-31-8
59	Calcium arsenate	ヒ酸カルシウム		231-904-5	7778-44-1
60	Arsenic acid	ヒ酸		231-901-9	7778-39-4
61	Bis(2-methoxyethyl) ether	ジエチレングリコールジメチルエーテル		203-924-4	111-96-6
62	1,2-Dichloroethane	1，2－ジクロロエタン		203-458-1	107-06-2
63	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	4－(2，4，4－トリメチルペンタン－2－イル)フェノール		205-426-2	140-66-9
64	2-Methoxyaniline; o-Anisidine	2－メトキシアニリン		201-963-1	90-04-0
65	Bis(2-methoxyethyl) phthalate	ビス(2－メトキシエチル)＝フタラート		204-212-6	117-82-8
66	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	アニリンとホルムアルデヒドの重合物		500-036-1	25214-70-4
67	Zirconia Aluminosilicate, Refractory Ceramic Fibres	ジルコニアアルミノ珪酸塩耐火セラミック繊維	Zr-RCF	－	－
68	Aluminosilicate Refractory Ceramic Fibres	アルミノケイ酸塩耐火セラミック繊維	RCF	－	－
69	Pentazinc chromate octahydroxide	クロム酸八水酸化五亜鉛		256-418-0	49663-84-5
70	Potassium hydroxyoctaoxodizincatedi-chromate	クロム酸ヒドロキシ亜鉛カリウム		234-329-8	11103-86-9
71	Dichromium tris(chromate)	クロム酸／クロム(III)(クロム酸塩)		246-356-2	24613-89-6
72	1,2-bis(2-methoxyethoxy)ethane	2，5，8，11－テトラオキサドデカン	TEGDME; Triglyme	203-977-3	112-49-2
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether	1，2－ジメトキシエタン	EGDME	203-794-9	110-71-4
74	Diboron trioxide	三酸化二ホウ素		215-125-8	1303-86-2
75	Formamide	ホルムアミド		200-842-0	75-12-7
76	Lead(II) bis(methanesulfonate)	鉛（ＩＩ）＝ジメタンスルホナート		401-750-5	17570-76-2
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	1，3，5－トリス(オキシラン－2－イルメチル)－1，3，5－トリアジナン－2，4，6－トリオン		219-514-3	2451-62-9
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	rel－1，3，5－トリス[(R)－オキシラン－2－イルメチル]－1，3，5－トリアジナン－2，4，6－トリオン		423-400-0	59653-74-6
79	4,4'-bis(dimethylamino)benzophenone	ビス[4－(ジメチルアミノ)フェニル]メタノン	Michler's Ketone	202-027-5	90-94-8
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline	N，N，N'，N'－テトラメチル－4，4'－メチレンジアニリン	Michler's Base	202-959-2	101-61-1
*81	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride	ジメチル(4－{(4－アニリノ－1－ナフチル)[4－(ジメチルアミノ)フェニル]メチリデン}シクロヘキサ－2，5－ジエン－1－イリデン)アンモニウム＝クロリド	C. I. Basic Blue 26	219-943-6	2580-56-5
*82	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride	ジメチル(4－{ビス[4－(ジメチルアミノ)フェニル]メチリデン}シクロヘキサ－2，5－ジエン－1－イリデン)アンモニウム＝クロリド	C. I. Basic Violet 3	208-953-6	548-62-9
*83	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	ビス[4－(ジメチルアミノ)フェニル][4－(メチルアミノ)フェニル]メタノール		209-218-2	561-41-1
*84	α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol	(4－アニリノ－1－ナフチル){ビス[4－(ジメチルアミノ)フェニル]}メタノール	C. I. Solvent Blue 4	229-851-8	6786-83-0
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	デカブロモ－1，1'－オキシビス(ベンゼン)	DecaBDE	214-604-9	1163-19-5
86	Pentacosafluorotridecanoic acid	ペルフルオロトリデカン酸		276-745-2	72629-94-8
87	Tricosafluorododecanoic acid	ペルフルオロドデカン酸		206-203-2	307-55-1
88	Henicosafluoroundecanoic acid	ペルフルオロウンデカン酸		218-165-4	2058-94-8
89	Heptacosafluorotetradecanoic acid	ペルフルオロテトラデカン酸		206-803-4	376-06-7
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	C，C'－ジアゼンジイルジメタンアミド		204-650-8	123-77-3
91	Cyclohexane-1,2-dicarboxylic anhydride	8－オキサビシクロ[4．3．0]ノナン－7，9－ジオン		201-604-9	85-42-7
	cis-cyclohexane-1,2-dicarboxylic anhydride	シス－1，2－シクロヘキサンジカルボン酸無水物		236-086-3	13149-00-3

№	Substance (English)	Substance (Japanese)	Abbreviation	EC №	CAS №
	trans-cyclohexane-1,2-dicarboxylic anhydride	ヘキサヒドロフタル酸無水物		238-009-9	14166-21-3
92	Hexahydromethylphthalic anhydride	メチル－８－オキサビシクロ[４．３．０]ノナン－７，９－ジオン		247-094-1	25550-51-0
	Hexahydro-4-methylphthalic anhydride	３－メチル－８－オキサビシクロ[４．３．０]ノナン－７，９－ジオン		243-072-0	19438-60-9
	Hexahydro-1-methylphthalic anhydride	１－メチル－８－オキサビシクロ[４．３．０]ノナン－７，９－ジオン		256-356-4	48122-14-1
	Hexahydro-3-methylphthalic anhydride	２－メチル－８－オキサビシクロ[４．３．０]ノナン－７，９－ジオン		260-566-1	57110-29-9
93	4-Nonylphenol, branched and linear			－	－
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated			－	－
95	Methoxyacetic acid	２－メトキシ酢酸		210-894-6	625-45-6
96	N,N-dimethylformamide	Ｎ，Ｎ－ジメチルホルムアミド		200-679-5	68-12-2
97	Dibutyltin dichloride	ジブタン－１－イル(ジクロロ)スタンナン	DBTC	211-670-0	683-18-1
98	Lead monoxide (Lead oxide)	酸化鉛		215-267-0	1317-36-8
99	Orange lead (Lead tetroxide)	四酸化三鉛		215-235-6	1314-41-6
100	Lead bis(tetrafluoroborate)	ビス(テトラフルオロホウ酸)鉛		237-486-0	13814-96-5
101	Trilead bis(carbonate)dihydroxide	ジカルボナト(ジヒドロキシ)三鉛		215-290-6	1319-46-6
102	Lead titanium trioxide	三酸化チタン鉛		235-038-9	12060-00-3
103	Lead titanium zirconium oxide	三酸化ジルコニウムチタン鉛		235-727-4	12626-81-2
104	Silicic acid, lead salt	ケイ酸と鉛の塩		234-363-3	11120-22-2
*105	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped	ケイ酸とバリウムの塩(１：１)(鉛ドープ)		272-271-5	68784-75-8
106	1-bromopropane (n-propyl bromide)	１－ブロモプロパン		203-445-0	106-94-5
107	Methyloxirane (Propylene oxide)	２－メチルオキシラン		200-879-2	75-56-9
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	ジペンチル(分枝および直鎖)＝フタラート		284-032-2	84777-06-0
109	Diisopentylphthalate	ジイソペンチル＝フタラート	DIPP	210-088-4	605-50-5
110	N-pentyl-isopentylphthalate			－	776297-69-9
111	1,2-diethoxyethane	１，２－ジエトキシエタン		211-076-1	629-14-1
112	Acetic acid, lead salt, basic	酢酸と鉛の塩(塩基性)		257-175-3	51404-69-4
113	Lead oxide sulfate	酸化硫酸二鉛		234-853-7	12036-76-9
114	[Phthalato(2-)]dioxotrilead	ジオキソ(フタラト)三鉛		273-688-5	69011-06-9
115	Dioxobis(stearato)trilead	ジオキソ(ジステアラト)三鉛		235-702-8	12578-12-0
116	Fatty acids, C16-18, lead salts	脂肪酸(C16－C18)と鉛の塩		292-966-7	91031-62-8
117	Lead cynamidate	シアナミドと鉛の塩(１：１)		244-073-9	20837-86-9
118	Lead dinitrate	二硝酸鉛		233-245-9	10099-74-8
119	Pentalead tetraoxide sulphate	四酸化硫酸五鉛		235-067-7	12065-90-6
120	Pyrochlore, antimony lead yellow	C．I．ピグメント イエロー 41		232-382-1	8012-00-8
121	Sulfurous acid, lead salt, dibasic	亜硫酸と鉛の塩(二塩基性)		263-467-1	62229-08-7
122	Tetraethyllead	テトラエチル鉛		201-075-4	78-00-2
123	Tetralead trioxide sulphate	三酸化硫酸四鉛		235-380-9	12202-17-4
124	Trilead dioxide phosphonate	二酸化ホスホン酸三鉛		235-252-2	12141-20-7
125	Furan	フラン		203-727-3	110-00-9
126	Diethyl sulphate	ジエチル＝スルファート		200-589-6	64-67-5
127	Dimethyl sulphate	ジメチル＝スルファート		201-058-1	77-78-1
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	３－エチル－２－イソペンチル－２－メチル－１，３－オキサゾリジン		421-150-7	143860-04-2
129	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	２－ｓｅｃ－ブチル－４，６－ジニトロフェノール		201-861-7	88-85-7
130	4,4'-methylenedi-o-toluidine	２，２’－ジメチル－４，４’－メチレンジアニリン		212-658-8	838-88-0
131	4,4'-oxydianiline and its salts	４，４’－オキシジアニリン		202-977-0	101-80-4
132	4-aminoazobenzene	４－(フェニルジアゼニル)アニリン		200-453-6	60-09-3
133	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	４－メチル－１，３－フェニレンジアミン		202-453-1	95-80-7
134	6-methoxy-m-toluidine (p-cresidine)	２－メトキシ－５－メチルアニリン		204-419-1	120-71-8
135	Biphenyl-4-ylamine	ビフェニル－４－イルアミン		202-177-1	92-67-1
136	o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	２－メチル－４－(２－トリルジアゼニル)アニリン		202-591-2	97-56-3
137	o-toluidine	ｏ－トルイジン		202-429-0	95-53-4
138	N-methylacetamide	Ｎ－メチルアセトアミド		201-182-6	79-16-3

*Substances No. 81, 82, 83 and 84 are specified as impurities. They are specified as SVHC only when they contain Michler's ketone (EC No.202-027-5) or Michler's base（EC No.202-959-2）with a concentration of 0.1% or higher.

*Substance No. 105 is specifies as SVHC when the lead concentration exceeds the concentration limit of reproductive toxicity Repr.1A of the CLP Regulations and reproductive toxicity Repr. Cat.1 of DSD and classifies as lead compound (index Number 082-001-00-6) of the CLP Regulation.

Annex 6: Ozone depleting substances

Other than HCFC

Annex A-1/2 to the Montreal Protocol

No.	CAS No.	Ozone-depleting substances	Major Applications
1	—	Chlorofluorocarbon： CFC-11, 12, 113, 114, 115	Refrigerants, solvents
2		Halon-1211, 1301, 2402	Extinguishing agents

Annex B-1/2/3 to the Montreal Protocol

3	—	Chlorofluorocarbon： CFC-13, 111, 112, 211, 212 CFC-213, 214, 215, 216, 217	Refrigerants, solvents
4	56-23-5	Carbon tetrachloride	Extinguishing agent, solvents, detergents
5	71-55-6	1,1,1-Trichloroethane	Solvents, detergents

Annex C-2 to the Montreal Protocol

6		HBFC：Dibromodifluoromethane and so on	Extinguishing agents

Annex E to the Montreal Protocol

7		Methyl bromide	Refrigerants, extinguishing agents and low boiling solvents

HCFC

Annex A-1/2 to the Montreal Protocol

No.	CAS No.	Ozone-depleting substances	Major Applications
8	—	Hydrochlorofluorocarbon HCFC-21, 22, 31, 121, 122, 123, HCFC-124, 131, 132, 133, 141, 142, HCFC-151, 221, 222, 223, 224, 225, HCFC-226, 231, 232, 233, 234, 235, HCFC-241, 242, 243, 244, 251, 252, HCFC-253, 261, 262, 271	Refrigerants, solvents

Annex 7: Class I Specified Chemical Substances under the Japanese Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.

No.	CAS No.	Ozone-depleting substances	Major Applications
1	1336-36-3	Polychlorinated Biphenyls (PCB)	Insulating oil (old transformers), copy paper
2	—	Polychlorinated Naphthalenes (with more than 3 chlorine atoms)	Solvents, plasticizer, lubricants
3	118-74-1	Hexachlorobenzene	Organically synthesized materials
4	309-00-2	Aldrin	Agrichemical
5	60-57-1	Dieldrin	Agrichemical
6	72-20-8	Endrin	Agrichemical
7		DDT	Pesticides
8	57-74-9	Chlordane	Agrichemical, termite insecticides
9	56-35-9	Bistributyltin oxide	Antifoulants for fishing nets, ship bottom paint
10	—	N,N'-ditolyl-p-phenylenediamine, N-tolyl-N'-xylyl-p-phenylenediamine and N,N'-dixylyl-p-phenylenediamine	Anti-aging agents for rubber, styrene-butadiene rubber
11	732-26-3	2,4,6-tri-tert-butylphenol	Anti-oxidants
12	8001-35-2	Polychloro-2,2-dimethyl-3-methylidenbicyclo[2.2.1]heptane (synonym: toxaphene)	Pesticides
13	2385-85-5	Dodecachloropentacyclo[5.3.0.0(2.6).0 (3.9).0(4.8)]decane (synonym: mirex)	Flame retardants, pesticides
14	115-32-2	2,2,2-trichloro-1,1-bis(4-chlorophenyl)ethanol (also know as kelthane or dicofol)	Miticides
15	87-68-3	Hexachlorobutane-1,3-diene	Solvents
16	3846-71-7	2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)benzotriazole)	Adhesives, bulking agent, inks and paints, plastics
17	—	Perfluoro(octane-1-sulfonic acid)	Plating agent, semiconductor/LSL film-forming material, extinguishing agent, water repellent, paper surface-treating agent, plastic modifier
18	307-35-7	Perfluorooctane-1-sulfonyl fluoride	Water and oil repellent, surfactant
19	608-93-5	Pentachlorobenzene	Agrichemical
20	319-84-6	(1alpha,2alpha,3beta,4alpha,5beta,6beta)-1,2,3,4,5,6-hexachlorocyclohexane	By-product of lindane
21	319-85-7	Beta-HCH	By-product of lindane
22	58-89-9	Lindane	Agrichemical
23	143-50-0	Chlordecone	Agrichemical
24	—	Hexabromobiphenyl	Flame retardant
25	—	Diphenyl ether, tetrabromo derivative	Flame retardant
26	—	Benzene, 1,1'-oxybis-, pentabromo derivative	Flame retardant
27	—	Diphenyl ether, hexabromo derivative	Flame retardant
28	—	Diphenyl ether, heptabromo derivative	Flame retardant

Annex 8: Hazardous materials prohibited from manufacture under the Japanese Industrial Safety and Health Law

No.	CAS No.	Ozone-depleting substances	Major Applications
1		Yellow phosphor	
2	92-87-5	Benzidine	Dyes, synthetic rubber hardeners
3	92-67-1	4-aminobiphenyl	Dye intermediates
4		Asbestos	Building materials, asbestos fabrics
5	92-93-3	4-nitrodiphenyl	Dye intermediates
6	542-88-1	Bis(chloromethyl)ether	Dyes, pigments, methylating agent
7	91-59-8	β-Naphthylamine; 2-Naphthylamine	Dye intermediates
8		Rubber cement containing solvent (including diluents) of more than 5% benzene.	
9		Drugs and other formulations containing more than 1% by weight of item Nos. 2, 3, and 5–7; or more than 0.1% by weight of No. 4.	

Revision History		
Date	**Edition**	**Description**
Oct. 1, 2005	1.0	First edition
Oct. 1, 2006	2.0	Partial revisions of typographical errors
April 1, 2008	3.0	• New structure, including combining section 3.3.3 *Requests for cooperation* with section 4. *Operations* as section 4. *Procedures for Nikon Green Procurement Standards* • Revisions to content of Section 1. *Nikon's Commitment to the Environment*: 1. *Introduction* • Revisions to Section 2. *Nikon Green Procurement Standards*: 1. *Objective* • 3.2.1 Chemical substances standard in procured products Eliminated "limited substances"; added *Special examples for batteries* and *Precautions when using polyvinyl chloride* to *Prohibited Substances*; added *Restricted substances in packaging*; and added *Restricted substances in equipment and tools*. • 3.2.2 *Chemical substances standard in manufacturing processes* was revised to include hexavalent chromium as a restricted substance. • Added further detail to 2. *Scope* and 3.1 *Requirements for environmental management systems* • Added new section: 7. *Handling of information from all suppliers*
Oct. 1, 2008	3.1	• 3.1.2 Establishment of environmental impact substances management system • Added 8. *traceability* to Table 1: *Environmental impact substances management system* • 3.2.1 Chemical substances standards in procured products • Added 17. *Perfluorooctane sulfonates (PFOSs)* to Table 2: *Chemical substances prohibited in procured products and their threshold amount* • Added (5) *About perfluorooctane sulfonates (PFOSs)* • Added further detail to Table 3: *Examples of uses of PVC* • Revisions to (6) *Applications exempted by the prohibited substances standards: The use of Deca BDE in polymeric applications* • Added new exemptions from prohibition to (6) *Applications exempted by the prohibited substances standards: The use of Deca BDE in polymeric applications:* a) *Cadmium and its compounds* and c) *Lead and its compounds*
Aug. 1, 2010	3.2	• Added another type of procured product to 2. *Applicable Scope* • Added 3. *Definition of Terms* • Added *Management System of Chemical Substances in Products* to 4.1.2. *Establishment of Management System of Chemical Substances in Products* • Changed the names of types of chemical substances in 4.2 *Requirements for environmental impact chemical substances* • Updated (6) *Exempted applications where prohibited chemical substances in products are allowed to be used* in 4.2.1. *Chemical substances standards in products* 1) *Prohibited chemical substances in products* • Changed the number of phthalate compounds from three to six, and added a provision regarding SVHC under the EU REACH Regulation in 4.2.1. *Chemical substances standards in products* 2) *Restricted chemical substances in products* • Upgraded Annex 5: *Class I Specified Chemical Substances under Japanese Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.*
Apr. 1, 2012	3.3	• Added another type of procured product to 2. *Applicable Scope* • Added another 6 substances to Table 1: *Prohibited chemical substances in products and their threshold amount* in 4.2.1. *Chemical substances standards in products* 1) *Prohibited chemical substances in products* • Deleted Annex 2: *Nikon Green Procurement Standards Agreement* • Added Annex 3: *Exempted applications where prohibited chemical substances in products are allowed to be used* • Added Annex 4: *Exempted applications where prohibited chemical substances in products for medical, monitoring and control equipment are allowed to be used* • Added Annex 5: SVHC's in REACH
Mar.1, 2013	3.4	• Added notes *6 and *7 in 4.2.1. *Chemical substances standards in products 1) Prohibited chemical substances in products*. • Updated Annex 3: *Exempted applications where prohibited chemical substances in products are allowed to be used* and Annex 5: *SVHC's in REACH*.

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The Nikon Green Procurement Standard is available for download at the following URL.
http://www.nikon.co.jp/profile/procurement/green/index.htm
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