

SII GREEN PROCUREMENT STANDARDS

Version 6

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Seiko Instruments Inc.

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PREFACE

Government regulations related to environmental activities began in Europe and social demands for protecting the environment are intensifying. Requirements for business activities, production, and material procurement (green procurement) that are eco-friendly, such as forming a recycling-oriented society in which energy and resources are recycled and protecting from environmental pollution by managing chemical substances are constantly growing. Since 1999, based on the SII Group (SII) Environmental Policy, we have been promoting our green procurement from production goods to office supplies with the cooperation of our suppliers.

SII also prioritizes procurement of eco-friendly materials from suppliers that proactively act to support environment conservation based on this standard.

SII will continue its eco-friendly production and business activities, so we will be grateful for our suppliers' cooperation based on their understanding the importance of activities for environment conservation.

SII GROUP ENVIRONMENTAL POLICY

ENVIRONMENTAL CONCEPT

As a good corporate citizen, the SII Group will continue to harmonize its corporate activities with the global environment, protect and improve the environment, and contribute to the establishment of a sustainable society that can coexist with all nature.

ENVIRONMENTAL ACTIVITY GUIDELINES

We will

1. Continually strive to implement and enhance our environmental management system.
2. Observe all of laws, rules, regulations and agreements relevant to the environment, and prevent environmental pollution.
3. Provide products and services that enable state of the art environmental protection research, monitoring and compliance.
4. Continually reduce the environmental impact through the following actions:
 - (1) Provide products and services that, throughout their lifecycles, minimize their impact on the environment.
 - (2) Methodically conserve energy and proactively address global warming.
 - (3) Practice Reduce as well as Reuse and Recycle (3R), and promote effective use of resources.
 - (4) Reduce environmental risks from chemical substances and promote the elimination of harmful substances use.
5. Promote SII GREEN PURCHASING and purchase eco-friendly products, parts, materials and services.
6. Enforce internal audits to improve corporate environmental management system.
7. Contribute to society through our unique environment preservation activities.
8. Provide seminars and training to all employees to elevate their environmental consciousness, and encourage them to protect the environment in their personal life.
9. Proactively and openly disclose information about the implementation state of our environmental management system.

SII GREEN PROCUREMENT STANDARDS

1. SII Green Procurement Standards

The SII Green Procurement Standards consist of two sections. Each section contains a description of the standards for that type of product or material. They also include a set of survey questions for each supplier except for suppliers that only supply office supplies.

- (1) Environmental Control System Standard
- (2) Production Goods Procurement Standard

2. Scope of Application

These standards apply to all items, both tangible and intangible, that SII procures.

- (1) Tangible goods including raw materials, parts (electrical components, finished goods, and other components), packaging materials, and production equipment.
- (2) Intangible goods including services and work

SII will provide a "Purchase Item List Subjected to Survey" (Note 1) for specific items that are subject to examination for use or inclusion of chemical materials. If SII does not submit such a list, suppliers need not survey materials for use or inclusion of chemical materials.

(Note 1) Purchase Item List Subjected to Survey
List of procurement items that SII requests suppliers to survey.

3. The following forms must be completed and submitted to SII, but what is instructed by the SII operating division that requested the survey, for specific requirements should be followed.

- (1) Form 1 (See page 17) Environmental Control System Questionnaire*1
- (2) Form 2 (See page 18) Production Goods Procurement Questionnaire*2
- (3) Form 3 (See page 19) Results of Research on Chemicals Substances Being Used in the Manufacturing Process*3
- (4) Form 4 (See page 20) Results of Research on Chemicals Substances Contained in Goods*4

*1 "Environmental Control System Questionnaire"
SII requires this information to determine the indirect environmental impact of manufactured products.

*2 "Production Goods Procurement Questionnaire"
SII requires this information to confirm that production goods to be procured are environmentally friendly.

*3 "Results of Research on Chemical Substances Being Used in the Manufacturing Process"
SII requires this information if you use any item specified in the "Production Goods Procurement Questionnaire" in your production process (excluding coolants and extinguishants).

*4 "Results of Research on Chemical Substances Contained in Goods"
SII requires this information if any item specified in the "Production Goods Procurement Questionnaire" is contained in products.

4. If necessary, you might be asked to submit materials other than survey forms (such as lists of components in procured products, analysis data, or MSDS forms) or to submit JAMP AIS*1 or JGPSSI*2 survey forms if SII's customer requests them, so cooperate with the requests of each business unit.

*1 JAMP AIS:
This information sheet is used to disclose and transmit information about chemical substances contained in articles, as specified by the Joint Article Management Promotion consortium.

*2 JGPSSI survey form:
This is the form for responding to the survey about chemical substances included in parts and materials, as specified by the Japan Green Procurement Survey Standardization Initiative.

5. When necessary, SII may conduct on-site audits. We appreciate your cooperation.
6. Chemical substances specified herein are independently selected and classified by SII taking into consideration existing legislation and future rules and regulations. These are subject to change without notice depending upon the social and legal environment.
7. The SII Green Procurement Standards are subject to revision without notice in the event of changes in the social or legal environment.

Note: Please contact the SII operating division that requested the examination of goods subject to survey.

[I] DEFINITIONS OF TERMS

Use:

Use means to use chemical substances for cleaning products and parts. In other words, use means "to use" chemical substances during manufacturing such that they are not contained in products or parts.

Example) Cleaning parts, etc.

Containing

Containing means "to contain" chemical substances that have been intentionally added to products and parts to meet their functionality and performance. Reaction-type residue like non-reaction monomer and impurities are excluded.

If an impurity in a chemical substance for which a threshold level is specified exceeds an acceptable value, the chemical substance is judged to contain a prohibited substance.

Contents concentration:

This is the chemical substance concentration and is calculated using the equation below.

Contents concentration = weight of the target chemical substance / weight of the part that contains the target chemical substance

The unit is ppm (parts per million), or wt% (weight percent).

Note that the definition of "weight of the part" used when calculating the contents concentration differs depending on the applicable laws, so see the remarks column for the target chemical substance.

Intentional addition

Intentional addition means intentionally making products or parts contain substances in order to suffice specific features, appearance, or quality. Intentional addition must be reported by filling Form 4 "Results of

Research on Chemical Substances Contained in Goods" on page 20, regardless of the contents concentration.

Impurity:

This is a substance included in natural raw materials that cannot be completely removed during the process in which the materials are used as industrial materials for manufacturing.

This term also refers to by-products, catalyst residue, and other substances generated during the synthetic reaction processes of materials and drugs.

Examples)

·Lead impurities in lead-free solder

·Monomer components that cannot be completely removed from synthetic resin materials

Homogenous material:

Material that cannot be mechanically resolved into different material.

Examples)

In the case of a power cable, the homogenous materials are external covering, internal covering, and core.

If a marking such as model name is printed on the external coating, the ink is also regarded as homogenous material.

III ENVIRONMENTAL CONTROL SYSTEM STANDARDS

No.	Items	Criteria	Applied Suppliers	
			Obtained ISO-14001, etc.	Not yet obtained ISO-14001, etc.
1	Certification of ISO14001	Obtained ISO14001 or other third-party standard certification (e.g., Eco Action 21, Eco Stage). If not yet obtained, it is desirable to be "under preparation" or "under contemplation" to obtain the certification.	↓	↓
2	Environmental policy	Have an environmental conservation/preservation policy.	—	○
3	Environmental goals	Have concrete goals for environmental conservation/preservation.	—	○
4	Action plan	Have an action plan to achieve the goals.	—	○
5	Organization	Establish an organization to promote environmental conservation/preservation.	—	○
6	Education & Training	Provide employees with an environment-related education and training program.	—	○
7	Internal audits	Internally conduct environmental audits.	—	○
8.1	Control system	Have a system to supervise legislative and voluntary regulations.	—	○
8.2		Be aware of and comply with applicable laws and regulations (See Annex 1 on page 5 for environmental laws).	○	○
8.3		Have a system to control and save energy (e.g., lighting and facilities energy-saving program).	○	○
8.4		Have a system to control and minimize wastes (e.g., separated disposal and zero-emissions).	○	○
8.5		Have a system to control chemical substances (e.g., to update information on chemical substances being used).	○	○
8.6		Introduce or try to introduce a product assessment scheme (e.g., check that environment consideration is taken in the design and production phases).	○	○
8.7		Have a system to collect and recycle used products and packaging materials.	○	○
9	Disclosure	Have a system and tools to disclose information (e.g., Internet, environmental pamphlets and reports).	○	○

III] PRODUCTION GOODS PROCUREMENT STANDARDS

Products: Finished or semi-finished products, which provide their intended functionality and performance as they are.

Parts: Items that should be integrated or processed into or for SII products (units/parts, electronic parts, and outer cases).

No.	Items	Criteria	Goods covered by this standard		
			Packaging	Parts	Products
1	No harmful substances	No packaging materials (outer boxes, buffer materials, etc.) contain heavy metals (cadmium, hexivalent chrome, mercury and lead).	○		
2	Use prohibition of	No exterior packaging, buffer materials and bags use polyvinyl chloride.	○		
3	Resources saving	No excessive packaging. Measures are taken to reduce packaging volume (less packaging compared with similar products or parts).	○		
4	Indication of materials	Plastic packaging materials (mainly styrene foam used as cushions) bear indication of materials. Comply with ISO-11469, DIN-6120 or other appropriate standards. ISO11469-compliant marking example: >PS< Polystyrene	○		
5	Reduction of foams	The use of styrene foam is minimized or it is substituted with other materials: e.g., cardboard buffers, pulp molds	○		
6.1	Use of harmful substances	No material specified in Annex 2 (page 5) is used in any manufacturing process.	○	○	○
6.2		Use of materials specified in Annex 3 (page 5) is avoided in any manufacturing process.	○	○	○
7.1	Containing of harmful substances	No material shown in Annex 4 (page 6) is contained.	○	○	○
7.2		Containing of materials specified in Annex 6 (page 8) is avoided.	○	○	○
7.3		Conditional containing prohibition substances specified in Annex 5 (page 7) is not contained.	○	○	○
8	Indication of materials	ISO11469 or other standard is marked on plastic materials. Ex) Outer cases of products		○	○
9	Compliance with laws	The procurement goods comply with legislative controls under the Recycling Law, Energy Saving Law and other applicable laws. Ex) Rechargeable batteries, computers			○
10	Resources saving	Resources are efficiently used. (Use of recycled parts and resources, miniaturization of goods)			○
11	Energy saving	Power consumption is low in both operation and standby modes. Compliance with energy saving programs, such as Energy Star program.			○
12	Wastes	The separability and degradability at the time of disposal is taken into account to ensure proper disposition of goods.			○

Annex 1 List of Environmental Laws

No.	
1	Laws related to air pollution prevention
2	Laws related to water pollution prevention
3	Laws related to noise control
4	Laws related vibration control
5	Laws related to offensive odor prevention
6	Laws related to waste disposal
7	Laws related to ozone layer protection
8	Laws related to handling and storing of hazardous chemical substances
9	Laws related to recycling and reuse
10	Laws related to energy saving
11	Laws related to occupational safety and health
12	Other (Local regulations, etc.)

Annex 2 List of Use Prohibition Substances in the Manufacturing Process

*:Unique Nos. of chemical substances designated by the Chemical Abstract Service, a department of the American Chemistry Association.

More specifically, substances whose use should be prohibited in the manufacturing process (washing).

		CAS No. *	Remark
Use Prohibition	1	1,1,1-trichloroethane	71-55-6
	2	CFC group	
	3	HBFC group	
	4	Halon group	
	5	Bromochloromethane	74-97-5
	6	Tetrachloroethylene	127-18-4
	7	Benzene * ¹	71-43-2
	8	Pentachloroethane	76-01-7
	9	1,1,1,2-tetrachloroethane	630-20-6
	10	Hexachloroethylene	67-72-1
	11	Methyl bromide	74-83-9
	12	Carbon tetrachloride	56-23-5
	13	1,1,2,2-tetrachloroethane	79-34-5
	14	1,1,2-trichloroethane	79-00-5
	15	1,1-dichloroethylene	75-35-4

*1 Excluding fuel for cars

Annex 3 List of Use Avoidance Substances in the Manufacturing Process

More specifically, substances whose use should be avoided in the manufacturing process (washing).

		CAS No.	Remark	
Use avoidance	1	1,2-dichloroethane	107-06-2	
	2	1,2-dichloroethylene	540-59-0	
	3	1,3-dichloropropene	542-75-6	
	4	HCFC group		
	5	HFC group		
	6	PFC group		
	7	Dichloromethane	75-09-2	
	8	Cis-1,2-dichloroethylene	156-59-2	
	9	Trichloroethylene	79-01-6	When contained, see Annex 6 on page 8.
	10	Nitrous oxide	10024-97-2	
	11	Sulfur hexafluoride	2551-62-4	
	12	Chloroform	67-66-3	

Annex 4 List of Containing Prohibition Substances in Goods

(substances that must not contained in goods)		CAS No.	Threshold Level *2	Remark	
Containing Prohibition (CP) Banning the Containing	1	4-nitrobiphenyl and its salt	92-93-3	Intentional addition	
	2	DDT	50-29-3	Intentional addition	
	3	Asbestos	Page 9 Table A	Intentional addition	
	4	Aldrin	309-00-2	Intentional addition	
	5	Endrin	72-20-8	Intentional addition	
	6	Chlordane	57-74-9	Intentional addition	
	7	Dieldrin	60-57-1	Intentional addition	
	8	Bis(chloromethyl) ether	542-88-1	Intentional addition	
	9	Tributyl tin oxide (TBTO)	56-35-9	Intentional addition	
	10	Tri-substituted organostannic compounds (including Tributyl tin and Triphenyl tin)	Page 9 Table B	Intentional addition	
	11	Hexachloro benzene (HCB)	118-74-1	Intentional addition	
	12	Polychlorinated naphthalene (3 or more chlorine)	70776-03-3	Intentional addition	
	13	Polychlorobiphenyls (PCB)	1336-36-3	Intentional addition	
	14	Polychlorinated terphenyls (PCT)	61788-33-8	Intentional addition	
	15	Polybrominated diphenylethers (PBDE)	Page 9 Table C	1000 ppm or intentional addition	Contents concentration in homogenous material
	16	Polybrominated biphenyls (PBB)	Page 10 Table D	1000 ppm or intentional addition	Contents concentration in homogenous material
	17	Azo compounds *1	Page 10 Table E	Intentional addition	
	18	2,4,6-Tri-tert-butylphenol	732-26-3	Intentional addition	
	19	N,N'-ditolyl-p-phenylenediamine	27417-40-9	Intentional addition	
		N-tolyl-N'-xylyl-p-phenylenediamine	70290-05-0		
		N,N'-dixylyl-p-phenylenediamine	28726-30-9		
	20	Chlorinated paraffins (C10-13)	85535-84-8	Intentional addition	
	21	Mirex	2385-85-5	Intentional addition	
	22	Yellow phosphor	7723-14-0	Intentional addition	
	23	Toxaphene	8001-35-2	Intentional addition	
	24	Monomethyl-dichloro-diphenyl methane (DBBT)	99688-47-8	Intentional addition	
	25	Di-u-oxo-di-n-butyl-stanniohydroxyborane (DBB)	75113-37-0	Intentional addition	
	26	Monomethyl-tetraclorodiphenyl-methane	76253-60-6	Intentional addition	
	27	Monomethyl-dichloro-diphenyl-methane	81161-70-8	Intentional addition	
	28	Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-	3846-71-7	Intentional addition	
	29	Perfluorooctane sulfonates (PFOS)	—	Intentional addition	*3
	30	Dimethyl fumarate (DMF)	624-49-7	Intentional addition	
	31	Cobalt dichloride	7646-79-9	*4	
	32	Formaldehyde	50-00-0	*5	
33	Dibutyltin (DBT) compounds	Page 10 Table F	1000ppm *6	Contents concentration in	
34	Dioctyltin (DOT) compounds	Page 10 Table G	1000ppm *7	the weight of the delivered	

*1 Substances that may enter the mouth or directly contact human skin for a long time.

*2 Threshold level

In cases where the concentration of the material contained in the product or part (reaction-type residue like non-reaction monomer and impurities) exceeds this value, fill Form 4 "Results of Research on Chemicals Contained in Manufactured Goods" on page 20.
 Note: The threshold level may be specified independently by the operational division upon customer's request, so please follow what the operational division instructed.

*3 Exceptional applications

- Semiconductor photoresist
- Business-use photographic film

*4 This applies to humidity indicating chemicals that are intentionally added and used for drying agents (such as silica gel).

*5 Intentionally adding this to composite materials (plywood or particle board) is prohibited, as is containing a concentration of 75 ppm or more of fiber or fabric.

*6 Starting in July 2011, it will be prohibited for the concentration of the tin element to exceed the threshold level.

*7 This applies to fabric and leather products that might touch human skin. Starting in July 2011, it will be prohibited for the concentration of the tin element in the product to exceed the threshold level.

Annex 5 List of Conditional Containing Prohibition Substances in Goods

(substances prohibited from being contained, with some exceptions)

		CAS No.	Threshold Level	Remark
1	Cadmium / cadmium compounds* ¹	Refer to Annex H on page 11.	100 ppm or intentional addition	Contents concentration in homogenous
2	Hexavalent chromium compounds* ¹	Refer to Annex I on page 11.	1000 ppm or intentional addition	Contents concentration in homogenous
3	Mercury / mercury compounds* ¹	Refer to Annex J on page 11.	1000 ppm or intentional addition	Contents concentration in homogenous
4	Lead / lead compounds * ¹ . * ²	Refer to Annex K on page 11.	1000 ppm or intentional addition	Contents concentration in homogenous
5	Polyvinyl chloride (PVC)	9002-86-2	1000 ppm or intentional addition	Contents concentration in homogenous

*1: The total amount of lead, cadmium, hexavalent chromium and mercury contained in packaging materials shall be within 100 ppm at weight ratio.

*2: The lead contained in PVC cable shall be within 300 ppm at weight ratio.

Cadmium / Cadmium Compounds

	Use of Applications
Exceptions *3 (may be contained)	(1) Use of plastics as paints, pigments and stabilizers for safety devices of aerospace systems and railway vehicles
	(2) Plating is free for mission critical electric contacts requiring high reliability.
	(3) Optical glass and filter glass

Hexavalent Chromium Compounds

	Use of Applications
Exceptions *3 (may be contained)	(1) Substances for antirust of carbon styrene form cooling systems used in absorption refrigerators

Mercury / Mercury Compounds

	Use of Applications
Exceptions *3 (may be contained)	(1) Mercury of 5 mg or less per small fluorescent lamp
	(2) Mercury of 5 to 10 mg or less per general striplight
	(3) Other lamps excluding small fluorescent lamps and striplights
	(4) Silver oxide button cells (up to 2 wt%) (EU battery directive)

Lead / Lead Compounds

	Use of Applications
Exceptions *3 (may be contained)	(1) Lead contained in glass of cathode ray tubes, electronic parts, and fluorescent tubes
	(2) Lead contained in alloys (weight ratio) Steel materials: 0.35 wt% or less; aluminum materials: 0.4 wt% or less; copper alloys: 4 wt% or less
	(3) High melting point solder (tin-lead solder containing over 85% lead)
	(4) Elements such as piezo elements contained in electronic ceramic parts
	(4a) Lead contained in the dielectric ceramic in capacitors for which the rated voltage is less than 125 V AC or 125 V DC (Inclusion will be prohibited starting in January 2013.)
	(5) Lead used for compliant pin connector system
	(6) Solder for jointing pin and package of microprocessor (Solder comprising two or more elements, including over 80% but less than 85% by weight of lead) (Inclusion will be prohibited starting in January 2011.)
	(7) Solder required for secure electrical connection between semiconductor die and carrier in integrated circuit package (flip chip)
	(8) Lead contained in lead bronze bearing and bush
	(9) Lead as coating material for thermal conduction module C ring
(10) Optical glass and filter glass	

Polyvinyl Chloride (PVC)

	Use of Applications
Exceptions (may be contained)	(1) PVC is required due to a safety standard or for quality retention.
	(2) There is no substitutable item because of special application or the like.
	(3) Material is specified based on the customer's requirement.
	(4) Those which do not contain phthalate compounds

*3: Exceptions (cadmium, hexavalent chromium, mercury, lead) shall comply with the exceptions of the RoHS directives (2002/95/EC). If a new exception other than those described above is specified, it will be regarded as an exception. Exceptions relating to batteries shall conform to the EU batteries directive.

Annex 6 List of Containing Avoidance Substances in Goods

(Substances for which containing in goods is to be avoided)

		CAS No.	Threshold Level	Remark	
Containing Avoidance	1	Arsenic / arsenic compounds	Refer to Annex L on page 12.	1000 ppm or intentional addition Contents concentration in homogenous material	
	2	Beryllium / beryllium compounds*1	Refer to Annex M	1000 ppm or intentional addition Contents concentration in homogenous material	
	3	Pentachlorophenol and its salt	87-86-5	Intentional addition	
	4	Nickel compounds *2	Refer to Annex N on page 12.	1000 ppm or intentional addition Contents concentration in homogenous material	
	5	Phthalates*1	Refer to Annex O on page 12.	1000 ppm or intentional addition	
	6	Radioactive substances	Refer to Annex P on page 12.	1000 ppm or intentional addition Contents concentration in plasticized material	
	7	Brominated flame retardants (except PBB,PBDE and HBCDD)	Refer to Annex Q on page 13.	1000 ppm or intentional addition Contents concentration in homogenous material	
	8	Perchlorate	7791-09-9	Intentional addition	
	9	Anthracene	120-12-7		
	10	4,4'- Diaminodiphenylmethane	101-77-9		This is prohibited from being contained in items that might be in direct contact with human skin or the mouth for a long period of time.
	11	Dibutyl phthalate	84-74-2		*3
	12	Cobalt dichloride	7646-79-9		This is prohibited from being contained in drying agents (such as silica gel).
	13	Diarsenic pentaoxide	1303-28-2		
	14	Diarsenic trioxide	1327-53-3		
	15	Sodium dichromate	7789-12-0 10588-01-9		*4
	16	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2		
	17	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7		*3
	18	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α – HBCDD, β-HBCDD, γ-HBCDD)	25637-99-4 3194-55-6 (134237-50-6 134237-51-7 134237-52-8)		
	19	Lead hydrogen arsenate	7784-40-9		*4
	20	Benzyl butyl phthalate	85-68-7		*3
	21	Triethyl arsenate	15606-95-8		
	22	Anthracene oil	90640-80-5		
	23	Anthracene oil, anthracene paste, distn. lights	91995-17-4	If the contents concentration exceeds 1,000 ppm when the weight of the delivered product is used as the denominator	
	24	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2		
	25	Anthracene oil, anthracene-low	90640-82-7		
	26	Anthracene oil, anthracene paste	90640-81-6		
	27	Coal tar pitch, high temperature	65996-93-2		
	28	Aluminosilicate, Refractory Ceramic Fibres	-		
	29	Zirconia Aluminosilicate, Refractory Ceramic Fibres	-		
	30	2,4-Dinitrotoluene	121-14-2		
	31	Diisobutyl phthalate	84-69-5		*3
	32	Lead chromate	7758-97-6		*4
	33	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8		*4
	34	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2		*4
	35	tris(2-chloroethyl)phosphate	115-96-8		
	36	Acrylamide	79-06-1		
	37	Trichloroethylene	79-01-6		
	38	Boric acid	10043-35-3 11113-50-1		
	39	Disodium tetraborate, anhydrous	1330-43-4 12179-04-3 1303-96-4		
	40	Tetraboron disodium heptaoxide, hydrate	12267-73-1		
	41	Sodium chromate	7775-11-3		*4
	42	Potassium chromate	7789-00-6		*4
	43	Ammonium dichromate	7789-09-5		*4
	44	Potassium dichromate	7778-50-9		*4

- *1. This may be specified as containing prohibition substance, by each business unit of SII upon request from an SII customer. Please follow the instructions made by each business unit.
- *2. Except for alloys (such as stainless steel)
- *3. When use for toys or other children's products is expected, submit a report if the contents concentration exceeds 1,000 ppm for plasticized material.
- *4. This only applies to the exceptions for lead compounds and hexavalent chromium compounds shown under Annex 5 on page 7. For other applications, the requirements under Lead/Lead Compounds and Hexavalent Chromium Compounds on Annex 5 must be satisfied.

Tables: Compound Details (Main Examples)

Table A: Asbestos (Containing Prohibition)

		CAS No.
1	Asbestos	1332-21-4
2	Amosite	12172-73-5
3	Crocidolite	12001-28-4
4	Actinolite	77536-66-4
5	Anthophyllite	77536-67-5
6	Chrysotile	12001-29-5
7	Tremolite	77536-68-6

Table B: Tri-substituted organostannic compounds (including Tributyl tin and Triphenyl tin)
(Containing Prohibition)

		CAS No.
1	Bis (tri-n-butyltin) oxide	56-35-9
2	Triphenyltin N, N'-dimethyldithiocarbamate	1803-12-9
3	Triphenyltin fluoride	379-52-2
4	Triphenyltin acetate	900-95-8
5	Triphenyltin chloride	639-58-7
6	Triphenyltin hydroxide	76-87-9
7	Triphenyltin fatty acid salts (C=9-11)	18380-71-7 18380-72-8 47672-31-1 94850-90-5
8	Triphenyltin chloroacetate	7094-94-2
9	Tributyltin methacrylate	2155-70-6
10	Bis (tributyltin) fumarate	6454-35-9 24291-45-0
11	Tributyltin fluoride	1983-10-4 7304-48-5
12	Bis (tributyltin) 2, 3-dibromosuccinate	31732-71-5 56323-17-2
13	Tributyltin acetate	56-36-0
14	Tributyltin laurate	3090-36-6
15	Bis (tributyltin) phthalate	4782-29-0
16	Copolymer of alkyl(c=8) acrylate, methyl methacrylate and tributyltin methacrylate	67772-01-4
17	Tributyltin sulfamate	6517-25-5
18	Bis (tributyltin) maleate	14275-57-1
19	Tributyltin chloride	1461-22-9
20	Tributyltin cyclopentane carbonate = mixture	85409-17-2
21	Tributyltin-1,2,3,4,4a,5,6,10,10a-decahydro-7-isopropyl-1,4a-dimethyl-1-phenanthrenecarboxylatemix	26239-64-5

Table C: Polybromodiphenyl ethers (PBDE) (Containing Prohibition)

		CAS No.
1	Bromodiphenyl ether	101-55-3
2	Dibromodiphenyl ether	2050-47-7
3	Tribromodiphenyl ether	49690-94-0
4	Tetrabromodiphenyl ether	40088-47-9
5	Pentabromodiphenyl ether	32534-81-9
6	Hexabromodiphenyl ether	36483-60-0
7	Heptabromodiphenyl ether	68928-80-3
8	Octabromodiphenyl ether	32536-52-0
9	Nonabromodiphenyl ether	63936-56-1
10	Decabromodiphenyl ether	1163-19-5

Table D: Polybrominated biphenyls (PBB)(Containing Prohibition)

		CAS No.
1	Polybrominated Biphenyls	59536-65-1
2	DibromobiphenylX	92-86-4
3	2-Bromobiphenyl	2052-07-5
4	3-Bromobiphenyl	2113-57-7
5	4-Bromobiphenyl	92-66-0
6	Tribromobiphenyl	59080-34-1
7	Tetrabromobiphenyl	40088-45-7
8	Pentabromobiphenyl	56307-79-0
9	Hexabromobiphenyl	59080-40-9
10	Hexabromo-1,1-biphenyl	36355-01-8
11	Firemaster FF-1	67774-32-7
12	Heptabromobiphenyl	35194-78-6
13	Octabromobiphenyl	61288-13-9
14	Nonabromobiphenyl	27753-52-2
15	Decabromobiphenyl	13654-09-6

Table E: Azo (Containing Prohibition)

Amines from which azo compounds should not be generated due to chemical dissolution

		CAS No.
1	o-anisidine	90-04-0
2	2-naphthylamine	91-59-8
3	3,3'-dichlorobenzidine	91-94-1
4	Biphenyl-4-ylamine	92-67-1
5	Benzidine	92-87-5
6	o-toluidine	95-53-4
7	4-chloro-o-toluidine	95-69-2
8	2,4-toluenediamine	95-80-7
9	o-aminoazotoluene	97-56-3
10	5-nitro-o-toluidine	99-55-8
11	4,4'-methylene-bis-(2-chloroaniline)	101-14-4
12	4,4'-methylenedianiline	101-77-9
13	4,4'-oxydianiline	101-80-4
14	p-chloroaniline	106-47-8
15	3,3'-dimethoxybenzidine	119-90-4
16	3,3'-dimethylbenzidine	119-93-7
17	2-methoxy-5-methylaniline	120-71-8
18	2,4,5-trimethylaniline	137-17-7
19	4,4'-thiodianiline	139-65-1
20	4-methoxy-m-phenylenediamine	615-05-4
21	4,4'-methylenedi-o-toluidine	838-88-0
22	4-amino azobenzene	60-09-3

Amine: Hydrogen atom of ammonia was substituted with hydrocarbon group.

Azo compounds: Has an atomic group of "-N=N-." The term "azo" means nitrogen.

Table F: Dibutyltin Compounds (DBT) (Containing Prohibition)

		CAS No.
1	Dibutyltin oxide	818-08-6
2	Dibutyltin diacetate	1067-33-0
3	Dibutyltin dilaurate	77-58-7
10	Dibutyltin maleate	78-04-6

Table G: Dioctyltin Compounds (DOT) (Containing Prohibition)

		CAS No.
1	Dioctyltin Oxide	870-08-6
2	Dioctyltin dilaurate	3648-18-8

Table H: Cadmium / Cadmium Compounds (Conditional Containing Prohibition)		CAS No.
1	Cadmium	7440-43-9
2	Cadmium oxide	1306-19-0
3	Cadmium sulfide	1306-23-6
4	Cadmium chloride	10108-64-2
5	Cadmium sulfate	10124-36-4
6	Cadmium nitrate	10325-94-7
7	Cadmium stearate (cadmium soap)	2223-93-0

Table I: Hexavalent Chromium Compounds (Conditional Containing Prohibition)		CAS No.
1	Sodium dichromate	10588-01-9
2	Potassium dichromate	7778-50-9
3	Chromium (VI) oxide	1333-82-0
4	Lead (II) chromate	7758-97-6
5	Potassium chromate	7789-00-6
6	Calcium chromate	13765-19-0
7	Barium chromate	10294-40-3
8	Strontium chromate	7789-06-2
9	Zinc chromate	13530-65-9
10	Sodium chromate	7775-11-3
11	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8
12	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2
13	Ammonium dichromate	7789-09-5

Table J: Mercury/Mercury Compounds (Conditional Containing Prohibition)		CAS No.
1	Mercury	7439-97-6
2	Mercury(II) chloride	7487-94-7
3	Mercury(II) oxide	21908-53-2
4	Diethylmercury	627-44-1
5	Phenylmercury chloride	100-56-1
6	Mercuric sulfate	7783-35-9
7	Mercuric nitrate	10045-94-0
8	Mercuric sulfide	1344-48-5

Table K: Lead/Lead Compounds (Conditional Containing Prohibition)		CAS No.
1	Lead	7439-92-1
2	Lead (II) carbonate	598-63-0
3	Lead (IV) oxide	1309-60-0
4	Lead (II,IV) oxide	1314-41-6
5	Lead (II) sulfide	1314-87-0
6	Lead (II) oxide	1317-36-8
7	Lead (II) carbonate basic	1319-46-6
8	Lead hydroxidcarbonate	1344-36-1
9	Lead (II) sulfate	7446-14-2
10	Lead (II) phosphate	7446-27-7
11	Lead (II) chromate	7758-97-6
12	Lead (II) titanate	12060-00-3
13	Lead sulfate, sulphuric acid, lead salt	15739-80-7
14	Lead difluoride	7783-46-2
15	Lead dichloride	7758-95-4
16	Lead acetate	301-04-2
17	Lead (II) acetate, trihydrate	6080-56-4
18	Lead selenide	12069-00-0
19	Lead sulphate, tribasic	12202-17-4
20	Lead stearate	1072-35-1
21	Lead hydrogen arsenate	7784-40-9
22	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8
23	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2

Table L: Arsenic / Arsenic Compounds (Containing Avoidance)		CAS No.
1	Arsenic	7440-38-2
2	Gallium arsenide	1303-00-0
3	Calcium arsenate	7778-44-1
4	Calcium arsenite	27152-57-4
5	Potassium arsenite	10124-50-2
6	Potassium arsenate	7784-41-0
7	Lead arsenate	3687-31-8

Table M: Beryllium /Beryllium Compounds (Containing Avoidance)		CAS No.
1	Beryllium	7440-41-7
2	Beryllium-aluminum alloy	12770-50-2
3	Beryllium chloride	7787-47-5
4	Beryllium fluoride	7787-49-7
5	Beryllium hydroxide	13327-32-7
6	Beryllium oxide	1304-56-9
7	Beryllium phosphate	13598-15-7
8	Beryllium sulfate	13510-49-1
9	Beryllium sulfate tetrahydrate	7787-56-6
10	Beryl ore	1302-52-9

Table N: Nickel Compounds (Containing Avoidance)		CAS No.
1	Nickel carbonyl	13463-39-3
2	Nickel oxide	1313-99-1
3	Nickelous carbonate	3333-67-3
4	Nickel sulfate	7786-81-4
5	Nickel sulfide	12035-72-2

Table O: Phthalates (Containing Avoidance)		CAS No.
1	Diisononyl phthalate (DINP)	28553-12-0
2	1,2-Benzenedicarboxylic acid diisodecyl ester (DIDP)	26761-40-0
3	Di-n-octyl phthalate (DNOP)	117-84-0
4	Di-n-hexyl phthalate(DNHP)	84-75-3

Table P: Radioactive substances (Containing Avoidance)		CAS No.
1	Uranium	7440-61-1
2	Plutonium	7440-07-5
3	Radon	10043-92-2
4	Americium	7440-35-9
5	Thorium	7440-29-1
6	Cesium	7440-46-2
7	Strontium	7440-24-6

Table Q: Brominated Flame Retardant (Excluding PBB ,PBDE and HBCDD)
(Containing Avoidance)

		CAS No.
1	Poly (2, 6-dibromo-phenylene oxide)	69882-11-7
2	Tetra-decabromo-diphenoxy-benzene	58965-66-5
3	1, 2-Bis (2, 4, 6-tribromo-phenoxy) ethane	37853-59-1
4	3, 5, 3', 5'-Tetrabromo-bisphenol A (TBBA)	79-94-7
5	TBBA, unspecified	30496-13-0
6	TBBA-epichlorhydrin oligomer	40039-93-8
7	TBBA-TBBA-diglycidyl-ether oligomer	70682-74-5
8	TBBA carbonate oligomer	28906-13-0
9	TBBA carbonate oligomer, phenoxy end capped	94344-64-2
10	TBBA carbonate oligomer, 2, 4, 6-tribromo-phenol terminated	71342-77-3
11	TBBA-(2, 3-dibromo-propyl-ether)	21850-44-2
12	TBBA bis-(2-hydroxy-ethyl-ether)	4162-45-2
13	TBBA-bis-(allyl-ether)	25327-89-3
14	TBBA-dimethyl-ether	37853-61-5
15	Tetrabromo-bisphenol S	39635-79-5
16	TBBS-bis-(2, 3-dibromo-propyl-ether)	42757-55-1
17	2, 4-Dibromo-phenol	615-58-7
18	2, 4, 6-tribromo-phenol	118-79-6
19	Pentabromo-phenol	608-71-9
20	2, 4, 6-Tribromo-phenyl-allyl-ether	3278-89-5
21	Tribromo-phenyl-allyl-ether, unspecified	26762-91-4
22	Tetrabromo-chyclo-octane	31454-48-5
23	1, 2-Dibromo-4-(1, 2 dibromo-ethyl)-cyclo-hexane	3322-93-8
24	Tetrabromo phthalic-anhydride	632-79-1
25	1, 3-Butadiene homopolymer, brominated	68441-46-3
26	2-Hydroxy-propyl-2-(2-hydroxy-ethoxy)-ethyl-TBP	20566-35-2
27	2, 3-Dibromo-2-butene-1, 4-diol	3224-02-4
28	Dibromo-neopentyl-glycol	3296-90-0
29	Dibromo-propanol	96-13-9
30	Tribromo-neopentyl-alcohol	36483-57-5
31	Poly tribromo-styrene	57137-10-7
32	Tibromo-styrene	61368-34-1
33	Poly-dibromo-styrene	31780-26-4
34	Bromo-/Chloro-paraffins	68955-41-9
35	Bromo-/Chloro-alpha-olefin	82600-56-4
36	Vinylbromide	593-60-2
37	Tris-(2, 3-dibromo-propyl)-isocyanurate	52434-90-9
38	Tris (2, 4-Dibromo-phenyl) phosphate	49690-63-3
39	Tris (tribromo-neopentyl) phosphate	19186-97-1
40	Pentabromo-toluene	87-83-2
41	Pentabromo-benzyl bromide	38521-51-6
42	Pentabromo-benzyl-acrylate, monomer	59447-55-1
43	Pentabromo-benzyl-acrylate, polymer	59447-57-3
44	TBBA-bisphenol A-phosgene polymer	32844-27-2
45	Brominated epoxy resin end-capped with tribromophenol	139638-58-7
46	Bis (methyl) tetrabromo-phtalate	55481-60-2
47	Bis (2-ethylhexyl) tetrabromo-phtalate	26040-51-7
48	TBPA, glycol-and propylene-oxide esters	75790-69-1
49	N, N'-Ethylene-bis-(tetrabromo-phthalimide)	32588-76-4
50	Ethylene-bis(5,6-dibromo-norbornane-2,3-dicarboximide)	52907-07-0
51	Chlorinated and brominated phosphate ester	125997-20-8
52	Tribromo-bisphenyl-maleinimide	59789-51-4
53	TBPA Na salt	25357-79-3
54	Decabromo-diphenyl-ethane	84852-53-9

Applicable Standards and Applications of Restricted Chemical Substances

		(A)	(B)	(C)	(D)	
		Ozone Layer Protection Law	Global Warming Prevention Law	Volatile Organic Compounds	EU Directives	
Use Prohibition Substances						End Use Applications
1	1,1,1-trichloroethane	UP			○	Detergents, solvents
2	CFC group	UP				Washing agents, coolants, forming agents
3	HBFC group	UP				Extinguishants
4	Halon group	UP				Extinguishants, washing agents
5	Bromochloromethane	UP				Solvents, Extinguishants
6	Tetrachloroethylene			○		Solvents
7	Benzene			○	○	Solvents, washing agents
8	Pentachloroethane				○	Solvents, washing agents
9	1,1,1,2-tetrachloroethane				○	Solvents
10	Hexachloroethylene				○	Solvents
11	Methyl bromide	○				Soil fumigants
12	Carbon tetrachloride	UP				Solvents, washing agents
13	1,1,2,2-tetrachloroethane				○	Solvents, washing agents
14	1,1,2-trichloroethane			○	○	Solvents
15	1,1-dichloroethylene			○	○	Solvents

Use Avoidance Substances		(A)	(B)	(C)	(D)	End Use Applications
1	1,2-dichloroethane			○		Solvents, washing agents
2	1,2-dichloroethylene			○		Solvents, washing agents
3	1,3-dichloropropene			○		Soil fumigants
4	HCFC group	○				Washing agents
5	HFC group		○			Washing agents, coolants
6	PFC group		○			Washing agents, coolants
7	Dichloromethane			○		Solvents, washing agents
8	Cis-1,2-dichloroethylene			○		Solvents, washing agents
9	Trichloroethylene			○	○	Washing agents
10	Nitrous oxide		○			Anaesthetics for medical treatments
11	Sulfur hexafluoride		○			Etching gas, insulated gas
12	Chloroform			○	○	Solvents, anaesthetics

- (A) Ozone Layer Protection Law UP: Relevant to II of Annexes A, B and C attached to the Montreal Protocol
○: Relevant to I of Annex C and I of Annex E attached to the Montreal Protocol
- (B) Global Warming Prevention Law ○: Appropriate substances
- (C) Volatile Organic Compounds ○: Relevant to volatile organic compounds which might cause soil pollution (SII Standards)
- (D) EU Regulations ○: Relevant to REACH Regulation or RoHS Directives

Supplementary Explanation

- Ozone Layer Protection Law:** Sets forth measures including production control, emission restraint and use rationalization of specified ozone depleting substances. Production of specific fluorine and halon is prohibited; HCFC will also be prohibited step by step.
- Global Warming Prevention Law:** Restricts emissions of greenhouse gases, such as CO₂ and PFC for global warming prevention.
- Occupational Safety and Health Law:** Sets forth measures for workers to ensure their safety and health and build up their comfortable working environment. It also lays down chemical substances whose manufacture should be prohibited or allowed and whose indication should be imposed.
- Chemical Substances Examination and Manufacture Restriction Law:** Prevents contamination of the environment by chemical substances that might damage health. Manufacture and import of new chemical substances should be examined for their decomposition level under this law and use restraint rules should be set forth in this law.
- Special Chemical Substances Regulations:** Rules defined in the Occupational Safety and Health Law to prevent workers' health disturbance, such as dermatitis and neuropathy. Confirmation of toxicity of substances to be used, measures for improvement of related facilities to minimize the term and the extent of exposure to chemical substances are set forth herein.
- Pollutant Release Transfer Registers (PRTR) Law:** Sets forth rules and regulations to confirm and report emissions of substances into the air and submit material safety data sheet information with the aim of promoting voluntary control of chemical substances and preventing environmental conservation-related issues.
- EU Regulations REACH Regulation**
This regulation pertains to the registration, evaluation, approval, and restriction of chemical substances. This regulation restricts the sale and use of chemical substances that are carcinogenic, mutagenic, or otherwise harmful, and the regulation also requires that information be submitted for any article containing more than 1,000 ppm of an SVHC (substance of very high concern).
- RoHS (2002/95/EC):** Specifies containing prohibition instructions of toxic substances in electric and electronic products. Specific hazardous chemical substances (lead, mercury, cadmium, hexavalent chromium, polybrominate biphenyls (PBB), and polybrominated diphenyl ethers (PBDE))

	(A) Law	(B) Occupational Safety and Health Examination Law	(C) Chemical Substances Regulation	(D) Special Chemical Substances Regulation	(E) PRTR Law	(F) EU Directives	End Use Applications
Containing Prohibition Substances							
1		MP			1		Synthetic intermediates
2			1				Antiseptics, fungicides, paints
3				2	S1	○	Adiabators, insulators, bulking agents
4			1				Antiseptics, fungicides, paints
5			1				Antiseptics, fungicides, paints
6			1				Adhesives, paints
7			1				Antiseptics, fungicides, paints
8		MP					Insecticides
9			1				Antiseptics, paints, pigments
10						○	
11			1				Disinfectants, antirust
12			1				Lubricants, paints
13			1		1	○	Insulation oil, lubricants
14						○	Insulation oil, lubricants
15						○	Fire retardant
16						○	Fire retardant
17							Dyes
18			1				Antioxidants
19			1				Antioxidants, lubricants
20						○	Plasticizer, fire retardant
21			1				Fire retardant
22		MP					Lucifer
23			1				Insecticide
24						○	Insulation oil, lubricants
25						○	Insulation oil, lubricants
26						○	Insulation oil, lubricants
27						○	Insulation oil, lubricants
28			1				Ultraviolet rays inhibitor
29			1			○	surface-active agent, paints
30							
31						○	
32					1		
33						○	
34						○	

* 2009/251/EC concerning prohibition of launching products containing the biocide DMF according to the General Product Safety Directive (2001/9:

Conditional containing Prohibition Substances							
	(A)	(B)	(C)	(D)	(E)		End Use Applications
1			2	S1	○		Pigments, stabilizers, contact materials
2				S1	○		Pigments, ink
3			2	1	○		Electrodes
4				1	○		Pigments, stabilizers, rubber stiffening agents
5							Cable coating, plastic resins

* Polyvinyl chloride is a substance that has been independently classified by SII into conditional containing prohibition.

Containing Avoidance Substances							
	(A)	(B)	(C)	(D)	(E)		End Use Applications
1			2	S1	○		Semiconductors, catalysts, pigments
2		MA	1	S1			Ceramic materials, catalysts
3			2	1	○		Insecticides
4				1			Pigments, paints
5							Plasticizer, pigments, paints
6							Optical characteristic
7					○		Fire retardant
8							

* Perchlorate is regulated by the California DTSC (Department of Toxic Substances Control).

- (A) Occupational Safety and Health Law
MP: Manufacture Prohibition Substances
MA: Manufacture Allowed Substances
- (B) Chemical Substances Examination and Manufacture Regulations
1: Type I Special Chemical Substances
- (C) Special Chemical Substances Regulations
1: Classification I Substances 2; Classification II Substances 3; Classification III Substances 3
N: Upon emissions or discharge of those substances, a disposal system is needed.
- (D) PRTR Law
1: Classification 1-Designated Chemical Substances
S1: Special Classification 1-Designated Chemical Substances
2: Classification 2-Designated Chemical Substances
- (E) EU Directives
○: Relevant to REACH Regulation or RoHS Directives

**Containing Prohibition Substances
(continued)**

	(A) Law	(B) Law	(C) Regulation	(D) Law	(E) Directives	End Use Applications
9					○	Material of crude carbon black, insecticides, wood preservatives, pesticides, plant growth regulators
10					○	Epoxy resin curing agents, adhesive curing agents
11					○	Softener (PVC plasticizers)
12					○	Water indicator in desiccants, ammonia gas absorbent, gas masks
13					○	Dye, metallurgy, industrial special glass, wood preservatives
14					○	Glass and enamel bleaching, special glass cleaner and
15					○	Used to produce chromium compounds (chromium sulfate) and inorganic chromium acid pigment
16					○	Fragrance
17					○	PVC plasticizers
18					○	Fire retardant
19					○	Pesticides, chemical weapons, wood preservatives
20					○	Softener (PVC plasticizers)
21					○	Pesticides, wood preservatives
22					○	Antiseptic, waterproof material. Used to produce other substances such as anthracene and carbon black
23					○	Antiseptic, waterproof material. Used to produce other substances such as anthracene and carbon black
24					○	Antiseptic, waterproof material. Used to produce other substances such as anthracene and carbon black
25					○	Antiseptic, waterproof material. Used to produce other substances such as anthracene and carbon black
26					○	Antiseptic, waterproof material. Used to produce other substances such as anthracene and carbon black
27					○	Electrode, molding material for carbon products, insulation filler, binder for briquette
28					○	Substitute materials of the asbestos such as insulation
29					○	Substitute materials of the asbestos such as insulation materials
30					○	Dye, used to produce toluene diisocyanate which is a raw material of plasticized polyurethane foamed material
31					○	Alternative DBP, plasticizer additives
32					○	Pigment, bleach
33					○	Additive plasticizers and viscosity regulator which provide flameproofness to acrylic resin, polyurethane, polyvinyl chloride and other polymer, lubricant additives
34					○	Raw material for synthetic resin paints, inks, rubber
35					○	Additive plasticizers and viscosity regulator which provide flameproofness to acrylic resin, polyurethane, polyvinyl chloride and other polymer, lubricant additives
36					○	Paper strengthening agents, fiber processing agents, processing agents for increasing adhesiveness, acrylamide thermosetting paint synthesis materials, coagulants, and soil
37					○	Metal part cleaning and removal, solvents in adhesives, etc.
38					○	Pesticides, personal care products, food additives, glass, ceramic, rubber, flame retardants, etc.
39					○	Glass, glass fiber, ceramic, detergents, cleaners, personal care products, industrial fluids, adhesives, etc.
40					○	Laboratories (chemical reagents) and other chrome compound manufacturing
41					○	Laboratories (chemical reagents) and other chrome compound manufacturing
42					○	Leather product tanning, metal processing and coating, pigment/ink manufacturing, etc.
43					○	Leather product tanning, oxidants, photo sensitive screen (CRT) manufacturing, etc.
44					○	Leather tanning, metal processing and coating, and photolithography

- (A) Occupational Safety and Health Law
MP: Manufacture Prohibition Substances
MA: Manufacture Allowed Substances
- (B) Chemical Substances Examination and Manufacture Regulations
1: Type I Special Chemical Substances
- (C) Special Chemical Substances Regulations
1: Classification I Substances 2: Classification II Substances 3; Classification III Substances 3
N: Upon emissions or discharge of those substances, a disposal system is needed.
- (D) PRTR Law
1: Classification 1-Designated Chemical Substances
S1: Special Classification 1-Designated Chemical Substances
2: Classification 2-Designated Chemical Substances
- (E) EU Directives
○: Relevant to REACH Regulation or RoHS Directives

Form 1

ENVIRONMENTAL CONTROL SYSTEM QUESTIONNAIRE

Date of preparation: _____
 Company name: _____
 Name of the place of business: _____
 Department: _____
 Name and title of the person who completes this format: _____ (Signature)
 Contact: Phone: _____ Fax: _____

Please check "Yes" or "No" column.
 If not applicable, enter "N.A."

Inquiries about [Environmental Control System]

No.	Item	Question	Answer		
			Yes	No	Remarks
1	Certification of environmental ISO	Have you obtained certification under ISO-14001 or other equivalent programs? If Yes, date of certification: _____ If no, check either of the following: _____ a. Have a plan to obtain certification by (date) _____ b. Have no plan to obtain certification _____ If you answer "Yes", proceed to No. 8.2. If you answer "no", proceed to No. 2.			
2	Environmental policy	Do you have any environmental policy on environmental preservation?			
3	Environmental goal	Do you have goals for environmental preservation?			
4	Action plan	Do you have an action plan to achieve the goals?			
5	Organization	Do you have a special organization to promote environmental control?			
6	Education & training	Do you provide employees with any educational or training program?			
7	Internal audit	Do you have a system to carry out an internal environmental audit?			
8.1	Control system	(1) Do you have a system to supervise legislative and voluntary control schemes?			
8.2		(2) Do you comply with all laws relating to environment? (Do you know and follow the applicable laws listed in Annex 1 (page 5)?)			
8.3		(3) Do you have a system to control energy consumption?			
8.4		(4) Do you take actions to reduce wastes?			
8.5		(5) Do you take actions to control and reduce chemical substances?			
8.6		(6) Do you introduce or try a product assessment scheme?			
8.7		(7) Do you have a system to collect and recycle used products and packaging materials?			
9	Information disclosure * ¹	Do you disclose information about environmental issues? (For example, by Internet, environmental pamphlet, report, etc.)			

*¹: If you check "Yes" in the information disclosure column, and have an Internet home page, please enter your URL in the box below. If you publish environmental literature, please attach to this sheet.

Form 2

PRODUCTION GOODS PROCUREMENT QUESTIONNAIRE

Date of preparation: _____

Company name: _____

Name of the place of business: _____

Department: _____

Name and title of the person who completes this format: _____ (Signature)

Contact: Phone: _____ Fax: _____

Item name: _____

Model, Item No: _____

Weight (g): _____

Inquiries about [Goods being or to be procured for production] (Products, Parts, Packaging)]

Please check "Yes" or "No" column. If not applicable, enter "N.A."

No.	Item	Question	Answer		
			Yes	No	Remarks
1	Packaging materials	Containing of heavy metals			
2		Use of polyvinyl chloride			
3		Resources saving (packaging material)			
4		Indication of materials (packaging material)			
5		Reduction of foams			
6.1	Products, parts, packaging	Use prohibition substances *1			
6.2		Use avoidance substances *1			
7.1		Containing prohibition substances *2			
7.2		Containing avoidance substances *2			
7.3		Conditional containing prohibition substances *3			
8		Indication of materials (products, parts)			
9		Products	Compliance with laws		
10	Resources saving				
11	Energy saving				
12	Disposition				

Note: If any of the above has changed, immediately contact the SII operating division that requested the survey. (Please note that changes of use prohibition substances, containing prohibition substances, and conditional containing prohibition substances are especially important.)

If "No" is checked in each of 6.1 to 7.3, it is not necessary to submit Forms 3 and 4.

*1 "Use" means "to use" for manufacturing, i.e. washing, products and parts that do not contain chemical substances.

*2 "Containing" means "to contain" chemical substances that have been intentionally added to products and parts to meet their functionality and performance. Reaction-type residue like non-reaction monomer and impurities are excluded. If an impurity in a chemical substance for which a threshold level is specified exceeds an acceptable value, the chemical substance is judged to contain a prohibited substance.

*3 "Conditional Containing Prohibition Substances" are chemical materials that is basically prohibited to contain and include some exceptions according to applications.

