Request for Cooperation with the Green Procurement Surveys Version 2

Creation Date: Oct. 9, 2002 (Ver. 1)
Revision Date: Sept. 12, 2003 (Ver. 2)

FUJIFILM group
Green Procurement

Creation and Revision Details

Revision No.	Creation and Revision Details	Date of Creation or Revision
V.1	Newly created	Oct. 9, 2002
V.2	Revised in conformance with the July 22, 2003 revisions to the guidelines and to the survey target chemicals list of the JGPSSI (Japan Green Procurement Survey Standardization Initiative) Also, as a description concerning “The Management of Chemical Substances Contained in Equipment and Instrument Products and Their Parts, as Well as in Packaging Material” was added (on October 29, 2002) to Supplementary Provisions 1 of “Basic Regulations For The Environmental And Safety Management Of Chemical Substances” (FRC-3821 Ver.3), a similar explanation has been added to this Request document.	Sept. 12, 2003

Request for Cooperation with the Green Procurement Surveys

Fuji Photo Film Co., Ltd.
Creation Date: Oct.09, 2002 (Ver. 1)
Revision Date: Sept.12, 2003 (Ver. 2)

We would like to begin by taking this opportunity to thank you for consistently supplying parts, materials, etc. to our company.

In April of 2002, the Fujifilm Group set forth its new "Green Policy" (presented in Attachment 1), and, since then, we have been placing an even greater emphasis on the achievement of a circular society and the development of green products.

This "greening of products" requires the use of green parts, materials, etc. In particular, it is essential that we terminate and/or reduce the use of specified chemicals that are associated with serious concerns from environmental perspectives.

In order to accomplish this, Green Procurement is of the utmost importance, and this is why we have established the Fujifilm Group Green Procurement Standards that are presented in Attachment 2.

As we shall now be examining, in accordance with these Standards, the parts, materials, etc. that you supply to us, we would like to request your cooperation with our surveys of the chemical substances contained and surveys of information pertaining to the composition of materials.

(Note) In conformance with the July 22, 2003 revisions to the Guidelines of the Japan Green Procurement Survey Standardization Initiative, we have revised, as Version 2, our company's "Green Procurement Standards". We therefore request that those of you who have, until now, been using Version 1 please change over to Version 2. As an interim measure associated with these revisions, we will, until March of 2004, accept responses based on the standards set forth in Version 1.

Fuji Photo Film Green Procurement Survey

We are conducting these surveys in conformance with the details and guidelines agreed upon by the Japan Green Procurement Survey Standardization Initiative (JGGPSSI)[*1)]

(1) The Scope of the Survey
This survey applies to the parts, materials, packaging and products used in products manufactured, marketed and provided by the Fujifilm Group.With the exception of Ozone Depleting Chemicals, the survey does not apply to parts, materials and packaging used in the production process.

(2) Survey Headings and Entry Formats
The survey headings and entry formats presented in the four forms (Form 1 to Form 4) are based on the Guidelines[*2)] and Agreements of the JGPSSI[*1)].

Please also note that we may send, under separate cover, the "Survey of Environmental Management for Businesses", which focuses on the state of your company's efforts toward environmental preservation. At that time we will once again request your kind cooperation.
With regard to parts, materials, etc. that you have supplied or are scheduled to supply, may we also ask, for the purposes mentioned above, that you modify the existing specifications by adding the information headings pertaining to Green Procurement to those specifications.

(3) Essentials for Responses (Making Entries)
Please make your responses in conformance with the Essential Points in Responding to the Green Procurement Surveys, using either electronic files (printed document for Form 1 and electronic JGP files[*3)] [a3)]) or printed documents (Forms 2 through 4 also submitted as printed documents).

(4) The Handling of Survey Content
A) The information that we receive in your responses will be used for carrying out DfE within our company's Group.
B) The information will also be used as basic information for carrying out environmental communication with our company's customers.
C) Please let us know, by means of a separate communication, whenever any of the information that you are providing is confidential

(5) Date for Returning Responses
Please return your response documents by (month/day/year)

(6) Enclosed Documents

■ Contact Information

Should you have any questions or suggestions, please do not hesitate to communicate with us using the following contact information.

Division Issuing Survey Form: Fuji Photo Film Co., Ltd. ……
Supervisor: ……
Telephone Number: ……
Fax Number: ……
E-mail: ……

Thank you for your cooperation.

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*1) JGPSSI (Japan Green Procurement Survey Standardization Initiative):
With regard to the green procurement surveys for procured goods, in order to work toward the improvement of survey precision, the shortening of the time required to conduct surveys and the reduction of burdens associated with the surveys, this council, consisting of the concerned businesses (including our company) listed below, settled on 29 chemical substance groups (Appendix 2), including PCB, cadmium, mercury, lead, etc., as survey target chemical substances and carried out the standardization of the survey format.
As of August, 2003 there were 47 businesses participating in this council.

Apple Computer Inc., Adtex Co.,Ltd, Alps Electric Co., Ltd., Oki Electric Industriy Co.,Ltd., Olympus Optical Co., Ltd., Canon Ind., Konica Minolta Holdings,Inc., Sanyo Electric Co., Ltd, Shimadzu Corporation, Sharp Corporation, Nippon Steel Corporation, Sumitomo Bakelite Co., Ltd., Seiko Epson Corp., Sony Corporation , Taiyo Ink Mfg. Co., Ltd., Taiyo Yuden Co., Ltd., Daikin Industries, Ltd.,Teijin Limited, TDK Corporation, Techno Polymer Company, Toshiba Corporation. , Toshiba TEC Corporation, Nikon Corporation, IBM Japan Ltd., NEC Corporation, Nippon Mektron,Ltd. , Pioneer Electronic Corporation, Ltd., PS Japan Corporation, Hitachi, Ltd., Hitachi Cable, Ltd., Hirose Electric Co., Ltd., Fujikura Ltd. , Fuji Photo Film Co., Ltd., Fuji Xerox Co., Fujitsu Ltd., Fuji Electric Co., Ltd., Brother Industries, Ltd., Makita Corporation, Matsushita Electric Works, Ltd., Matsushita Electric Industrial Co., Ltd., Mitsubishi Electric Corporation, Murata Manufacturing Co., Ltd., Yamaha Corporation, Riken Technos Corporation., Ricoh Co., Ltd , Roland DG Corporation, Japan Printed Circuit Association.

*2) Please refer to the JEITA Environmental and Safety Division home page (http://home.jeita.or.jp/esp/).
*3) A JGPSSI common file format for exchanging Survey responses

Essential Points in Responding to the Green Procurement Surveys

1. Methods for Responding

Please use the response methods that have been designated by our company. When responding by means of either of the methods (electronic file form or printed form) noted below, please send, to the supervisor at our company who has been noted in the response destination information, documents that bear the signature and the seal of the supervisor responsible for responding

When recording your response entries, please refer to the Entry Essentials for each form that are presented in this Request document.
The "Survey Manual for Chemical Substances Contained in Parts and Materials", which is included on the home page (http://home.jeita.or.jp/eps/) of JEITA (Japan Electronic Information Technology Association), as well as the document "The Practical Details of Green Procurement" (published by Maruzen) will also serve as useful resources. (However, at present, English versions of these documents have not yet been provided.)

2. Responses in Electronic File Form

Please ensure that your responses are JGP files in accordance with the format stipulated by the Japan Green Procurement Survey Standardization Initiative. If using electronic files, please mail the following 4 files, or, in the case of (2) ~ (4), send them via e-mail.

(1) Form 1 Green Procurement Survey Response Submission Letter (Please include signature and seal of supervisor(s) responsible for responding.)
(2) Electronic Files for Survey Responses [*2] (JGP Files[*1])
These should be either CSV files created by means of the "Save CSV" button in the Survey Response Tool, V100b3.xls, or CSV files created in the format stipulated by the Japan Green Procurement Survey Standardization Initiative.
(3) An Excel File[*3] Pertaining to Material Composition Information
(4) An Excel File[*3] Pertaining to the Information Survey for Component Parts

(Note) The Excel file pertaining to Material Composition Information and the Excel file pertaining to the Information Survey for Component Parts are created in accordance with the agreements of the JGPSSI. However, as the common formats are still being discussed by the JGPSSI and therefore not yet ready for use, please download and use the templates that are provided on our company's home page.

3. Responses in Printed Form

In addition to Form 1, please return the following 3 sheets to our company.

(1) Form 2, the Information Sheet for the Chemical Substances Contained[*3] (Please include signature and seal of supervisor(s) responsible for responding.)

(2) Form 3, the Information Sheet for Component Parts[*3]
(3) Form 4, the Material Composition Information Sheet[*3]

*1 A JGPSSI common file format for exchanging Survey responses
*2 Please download the Survey Response Tools, Data Confirmation Tools and "Survey Manual for Chemical Substances Contained in Parts and Materials" from the JEITA Environmental and Safety Division Home Page: http://home.jeita.or.jp/eps/
*3 In the case of written responses in printed form, please download and use the necessary documents provided on our company's home page: http://w3a.fujifilm.co.jp/kankyo/start.htm

Survey Response Entry Sheets and Entry Essentials

1. **Form 1:** **Green Procurement Survey Response Submission Letter**
2. **Form 2:** **Information Sheet for the Chemical Substances Contained**
3. **Form 3:** **Information Sheet for Component Parts**
4. **Form 4:** **Material Composition Information Sheet**
5. **Entry Essentials for Form 2**
   (Note) For the Entry Essentials for Form 3 and Form 4, please refer to each Form.

FUJIFILM group
Green Procurement

(Form 1)

Fuji Photo Film Co., Ltd.
_____Division
Att._____

Company Name : _____
Responding Division : _____
Name of Person in Charge of Responding : _____ (Seal)
Telephone Number : _____
Fax Number : _____
E-mail Address : _____

Green Procurement Survey Response Submission Letter

With regard to the product(s) noted below, in response to your company's request for a Green Procurement Survey, we have sent the requested Survey information as detailed below.

Date of Response: Year Month Day
Submission Method: Mail, Electronic Mail, Other
Documents Submitted: JGP Files (Floppy Disk, E-mail Attachment, Other)
Information Sheet for Component Parts (Excel), Material Composition Information Sheet (Excel)

Reference Number & Target Product Name (The reference number used for the Survey request & the name of the product for which a Survey was requested)

No.	Reference Number	Target Product Name
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Form 2 Information Sheet for the Chemical Substances Contained

Note: Please make your entries after referring to the Entry Essentials provided on a separate page.

[Surveying and Surveyed Company Information]

Surveying Company Information

Reference Number	
Date of Data Entry	

[Surveying Company]

Company Name	
DUNS Number	
Address	
Division Name	
Contact Name	
Telephone Number	
Fax Number	
E-mail Address	

Surveyed Company Information

Response Date	

[Surveyed Company]

Company Name	
DUNS Number	
Address	
Division Name	
Contact Name and Title	
Telephone Number	
Fax Number	
E-mail Address	

[Basic Information Pertaining to Parts]

Part Number (used at surveying company)	Part Name	Manufacturer's Name	Part Number (used at surveyed company)	Data Version	Revison Date YYYY/MM/DD	Survey Unit	Survey Unit Mass g	Use of Ozone-depleting Substances 0:No 1:Yes	List A Substances Contained 0:No 1:Yes

[Information Pertaining to the Chemical Substance Groups Contained]

	No.	Substance Group	Breakdown Substance Information Included?	Amount Contained (mg)	Application	Purpose(s) of Use
LEVEL A	A05	Cadmium and Cadmium Compounds	YO			
	A07	Hexavalent Chromium Compounds	YO			
	A09	Lead and Lead Compounds	YO			
	A10	Mercury and Mercury Compounds	YO			
	A17	Tributyl Tin Oxide (TBTO)	YO			
	A18	Tributyl Tins & Triphenyl Tins	YO			
	B02	Polybrominated Biphenyls (PBBs)	YO			
	B03	Polybrominated Diphenyl ethers (PBDEs)	YO			
	B05	Polychlorinated Biphenyls (PCBs)	YO			
	B06	Polychloronapthalenes (Cl=>3)	YO			
	B09	Short Chain Chlorinated Paraffins *2	YO			
	C01	Asbestos	YO			
	C02	Azo Colorants *3	YO			
	C04	Ozone Depleting Substances *4	YO			
	C06	Radioactive Substances	YO			
LEVEL B	A01	Antimony and Antimony Compounds	YO			
	A02	Arsenic and Arsenic Compounds	YO			
	A03	Beryllium and Beryllium Compounds	YO			
	A04	Bismuth and Bismuth Compounds	YO			
	A11	Nickel and Nickel Compounds *2	YO			
	A13	Selenium and Selenium Compounds	YO			
	A16	Magnesium	YO			
	B08	Brominated Flame Retardants *3	YO			
	B07	Vinyl Chloride Polymer (PVC)	YO			
	C05	Phthalates *4	YO			
	D01	Copper and Copper Compounds	YO			
	D02	Gold and Gold Compounds	YO			
	D03	Palladium and Palladium Compounds	YO			
	D04	Silver and Silver Compounds	YO			

[Breakdown Substance Information for the Chemical Substances Contained] For A Group and D Group Metals and Their Compounds

Classification No.	Classification No. of Example Substance.	Name of Breakdown Substance	CAS No.	Conversion Factor to Metal Mass	Compound Content (mg)	Metal Content (mg)	Chemical Formula	Application	Purpose(s) of Use
					Sum				

[Breakdown Substance Information for the Chemical Substances Contained] For Non-Metallic Compounds in Groups B or C

NOTE: In the case of Brominated Flame Retardants please enter the ISO-1043-4 code or the CAS No.

Classification No.	Classification No. of Example Substance.	Name of Breakdown Substance	CAS No.	Compound Content (mg)	Chemical Formula	Application	Purpose(s) of Use
				Sum			

Spare Tables for the Breakdown Substance Information in Form 2

Please make copies of these tables and use as necessary.

[Breakdown Substance Information for the Chemical Substances Contained] For A Group and D Group Metals and Their Compounds

Classification No.	Classification No. of Example Substance.	Name of Breakdown Substance	CAS No.	Conversion factor to Metal Mass	Compound Content (mg)	Metal Content (mg)	Chemical Formula	Application	Purpose(s) of Use
					Sum				

[Breakdown Substance Information for the Chemical Substances Contained] For Non-Metallic Compounds in Groups B or C
NOTE: In the case of Brominated Flame Retardants please enter the ISO-1043-4 code or the CAS No.

Classification No.	Classification No. of Example Substance.	Name of Breakdown Substance	CAS No.	Compound Content (mg)	Chemical Formula	Application	Purpose(s) of Use

No.	Parts Number	Parts Name

Form 3: Information Sheet for Component Parts *1

No	Substance Classification No. *2	Substance Group Name *3	Name of Component Part Using the Substance *4	Detailed Name of Component Part *4	Maximum Concentration of Chemical *5	Maximum Content of Chemical *5	Main Material of Component Part *6	Status of Data *7
					ppm	mg		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

*1: This Form is used for ascertaining the status of responses to legal regulations limiting the content concentrations of Mercury, Cadmium, Hexavalent Chromium and Lead.

*2, *3: Enter the Substance Classification No. and Substance Group Name indicated in Appendix 2: List A (29 Substance Groups). Hg:A10, Cd:A05, Cr(IV):A07, Pb:A09

*4: Enter the Component Part name and Detailed Component Part name of the Component Part that contains the substance. (i.e. Power Code, 120V Outlet Plug)

*5: Enter the upper limit value of the control value, or the greatest value detected or the greatest value expected. Please use ppm as the unit for the Maximum Concentration of Chemical and mg as the unit for Maximum Content of Chemical.

*6: Enter the Material name of the Component Part in which the target chemicals are contained by referring to Appendix 4, List B. Note that the use of Cadmium in plastic is prohibited in Europe.

*7: Enter the status of the data recorded in this Form by using the term “managed” if the data is managed, “measured” if it is measured data, “surveyed” if it is based on surveys, or “other” .

No entries made due to small mass. ☐

Form 4: Material Composition Information Sheet *1

No	Classification *2	Weight % *3	Component Part Using Substance *4	No	Classification *2	Weight % *3	Component Part Using Substance *4
1	Steel (except stainless steel)			17	Thermoplastic resin: PET		
2	Stainless steel			18	Thermoplastic resin: PP		
3	Copper			19	Thermoplastic resin: PPE		
4	Aluminum			20	Thermoplastic resin: PS		
5	Magnesium			21	Other thermoplastic resin(s)		
6	Nickel			22	Thermosetting resin(s)		
7	Other nonferrous metals			23	Rubber		
8	Gold			24	Wood		
9	Silver			25	Glass		
10	Palladium			26	Paper		
11	Platinum			27	Fiber		
12	Thermoplastic resin: ABS			28	Gas (intentionally added to the product)		
13	Thermoplastic resin: PC			29	Liquid (intentionally added to the product)		
14	Thermoplastic resin: PC+ABS			30	Other materials that must be declared		
15	Thermoplastic resin: PC+PS			31	Other residual materials		
16	Thermoplastic resin: PE				Total (Must be at least 90%.)		

*1: No entry is required when the component part occupies a negligibly small percentage of the product weight and contains no precious metals. In this case, simply put a check mark in the upper right box labeled “No entries made due to small mass.”

*2: Please choose some classification for materials not listed in this table. For example, please enter brass in Category 7, “Other nonferrous metals”. In this case, one should also enter the Material Name, “brass” in the Component Part column.

*3: Please make your entries for each major material so as to ensure that the present sum becomes 90%±10%.
For precious metals with a small mass, please enter 0.0 and enter the actual weight in mg in the Comment column.
For Gases or Liquids intentionally added to the product, please enter the appropriate names in the Comment column.

*4: For the Component Part Using the Substance, please enter the name used in the technical drawings or the specification sheets.

Entry Essentials for Form 2 Information Sheet for the Chemical Substances Contained

General Points to Be Noted when Making Entries

(1) **Concept of "Contained"**

In principle, when the substance was intentionally added or is clearly present, the substance is considered to be contained regardless of the amount. When the substance was not intentionally added it is treated as an impurity. You are asked to record all possible impurities that can be measured. However, new analysis need not be carried out. Furthermore, any substance groups or substances contained that are not recorded shall be considered to be unintentionally added.

(2) **Calculation of Amount Contained**

Indicate the amount contained using the amount under control, or the theoretical, calculated, designed or actually measured amount,. When there is variation in the amount contained in a manufacturing lot, indicate the maximum amount, in principle. Furthermore, the calculation of the amount contained in a part applies to the amount of the chemical substance contained in the purchased components or materials that make up the part, as well as the amount contained in the manufacturing process. The amounts must therefore be determined and recorded by retracing the purchased items back to their suppliers.

(3) Amount Contained in Metals and their Compounds

(a) Metals include alloys.
(b) Nickel alloys are not subject to reporting (for example, stainless steel)
(c) Magnesium is only subject to reporting in elemental metal form, and magnesium compounds do not need to be reported.
(d) For the amounts contained for metals and their alloys, enter the figure calculated for the amount of the metal element.

Note 1:

The conversion to the metal element can be done by multiplying the amount of compound contained by the metal conversion coefficient. Refer to Attachment 2 for the main conversion coefficients. For the metal conversion coefficients for compounds that are not included in the Common Example Substance List (Appendix 3), calculate after checking the atomic weight using a chemical substance handbook.

E.g. 1: To find the amount of antimony contained for a component containing 100 mg of antimony trioxide (Sb_2O_3), multiply by the conversion coefficient 0.835. Antimony amount = 100 mg X 0.835 = 83.5 mg = 84 mg (rounded off to two digits)

E.g. 2: To determine the amount of silver in 100 mg of lead free solder (Sn – 3.5 Ag), give the silver amount (3.5 mg) rather than the solder amount.

Note 2:

Do not include oxidized film that is present in its regular form on metal surfaces.

(4) **Chemical Substances Used in Processes**

Do not include any solvents or washing solutions used in the manufacturing process when they do not remain in the product due to their volatility. However, in cases where substances from the Survey Substance List are intentionally used in the manufacturing process, be careful, as many of them are non-volatile and may remain in the product. Refer to Appendix 1 regarding ozone-depleting substances used in the manufacturing process.

(5) **Substances Used in the Manufacturing Process**

Regarding small amounts of un-reacted substances and remaining solvents that occur in processes with sufficient validity at the current technical level, these substances used in the process are not considered to be remaining in the product.

For example, as many of the products below contain substances that are subject to survey, be sure to check them carefully.

Lubricants such as grease used in parts that contain moving parts including bearings and levers
Flame retardants in plastics, polyvinyl chloride or flame retardants in lead wire coating, and stabilizers
Special metals (alloys) for the purpose of electrical lubrication for contact points
Additives for rubber, including belts, rollers, bushes, and tubes
Paint for color coding, etc.

(6) **Substances That Belong to More Than One Chemical Substance Group**

When the same substance falls under more than one survey substance group, provide the amounts contained for each group.

e.g. If the article contains lead chromate, indicate the amount of lead and hexavalent chromium contained for both "Lead and its compounds" and "Chromium VI compounds."

[Surveying and Surveyed Company Information]

(Note) In the case of responses that are submitted in written format, please include the seal of the person(s) in charge of making the entries, arrange Forms 2 through 4 into sets for each part for which our company has requested a response and return the completed forms to the Survey supervisor at our company.

Surveying Company Information

Reference Number	(a)
Date of Data Entry	(b)

[Surveying Company] (c)

Company Name	
DUNS Number	(f)
Address	
Division Name	
Contact Name	
Telephone Number	
Fax Number	
E-mail Address	

Surveyed Company Information

Response Date	(d)

[Surveyed Company] (e)

Company Name	
DUNS Number	(f)
Address	
Division Name	
Contact Name and Title	
Telephone Number	
Fax Number	
E-mail Address	

(a) **Reference Number**
This number is used to manage each survey file at the surveying company, and you do not need to fill this in, in principle. However, please do so when instructed by the surveying company.

(b) **Date of Data Entry**
The surveying company enters the date the survey is requested. Do not enter or change this date.

(c) **Surveying Company**
This is the information about the surveying company.

(d) **Response Date**
Enter the date on which you will send in the survey.

(e) **Surveyed Company**
Enter your company name, DUNS number, address, division, name, contact name, telephone number, fax number, and email address. If you are a trading company, enter your information rather than the manufacturer information.

(f) **DUNS number**
The DUNS number is a unique nine-digit identification code assigned by the Dun & Bradstreet Corporation (http://www.dnb.co.jp/duns_number/index.html).
Leave it blank if you do not know your DUNS number.

Basic Information Pertaining to Parts

(a) Part Number (used at surveying company)	(a) Part Name	(b) Manufacturer's Name	(b) Part Number (used at surveyed company)	(c) Data Version	(d) Revision Date YYYY/MM/DD	(e) Survey Unit	(f) Survey Unit Mass g	(g) Use of Ozone-depleting Substances 0:No 1:Yes	(h) List A Substances Contained 0:No 1:Yes

(a) **Part Number (used at surveying company) and Part Name**
In principle, the Part Number and Part Name are completed by the Surveying Company; however, follow any instructions from the surveying company.

(b) **Manufacturer's Name, Part Number (used at surveyed company)**
Enter the manufacturer name and part number for the survey item. Fill out surveyed company columns 1 to 3 based on the instructions of the surveying company. Otherwise, do not make entries or changes here.

(c) **Data Version**
Enter the administration number to specify the version of the data that you have prepared. You may leave this blank if you do not have this information.

(d) **Revision Date**
Enter the date on which you prepared your data or data version. This is different from the response date.

(e) **Survey Unit**
Select the unit for the survey item from the box below. However, if the Surveying Company has already set the unit, follow the Surveying Company's instructions.

(e) Choose "units" for parts, in principle, and for raw materials choose the most suitable unit from: kilograms, square centimeters, square meters, cubic meters, meters, liters, or grams

(f) **Survey Unit Mass**
Enter the total weight of the part per the unit set in (e) above, using the specified unit, "grams."
E.g., If the survey unit is units, the weight in "grams" per one survey item unit
If the survey unit is kilograms, the weight is to be recorded as "1000 grams" per kilogram

(g) **Use of Ozone-depleting Substances in Manufacturing Process**
Indicate whether or not ozone-layer depleting substances are used in the manufacturing process (see Appendix 1). Indicate such substances even if they are used only in the manufacturing process and not in the product. However, this does not apply to substances used in ways that are not directly involved in the manufacturing process, including analysis, measurement, and product development.

(h) **Presence of List A Substances (List A Substances Contained 0: No 1: Yes)**
In the following circumstances, please be sure to enter "1" and fill in the " Information Pertaining to the Chemical Substance Groups Contained". Circumstances: if even only one chemical substance from the chemical substance groups listed in Appendix 2 " List A (List of Survey Target Chemical Substances) is contained; if there are any impurities that have been detected; or, in particular, if even extremely minute amounts have been intentionally added. Also, if possible, when any of the aforementioned circumstances apply, please enter the " Breakdown Substance Information for the Chemical Substances Contained" based on the CAS No.
Please also note that when bromide flame retardants (excluding PBBs and PBDEs) are contained, the CAS No. or the ISO 1043-4 code must be entered in the "Breakdown Substance Information for the Chemical Substances Contained" section.

- When the response for this section is "No", then entries in the "Information Pertaining to the Chemical Substance Groups Contained" and "Breakdown Substance Information for the Chemical Substances Contained" sections, as well as entries in "Form 3 Information Sheet for Component Parts" are not required.
  We do, however, request that entries be made in each section of "Form 4 Material Composition Information Sheet".
- When the response for this section is "Yes", then please be sure to enter the amount contained for the substance in question in the following "Information Pertaining to the Chemical Substance Groups Contained" section. Also, if possible, please enter detailed information in the "Breakdown Substance Information for the Chemical Substances Contained" section. We also request that entries be made in "Form 3 Information Sheet for Component Parts" and "Form 4 Material Composition Information Sheet".

In Form 2: Information Pertaining to the Chemical Substance Groups Contained

This is the survey of the substance groups contained when "1" is entered for (h) "List A Substances Contained 0: No 1: Yes" in the Basic Information Pertaining to Parts Section. The survey uses substance group units based on Appendix 1 "List of Surveyed Substances Used in the Production Process," in principle. However, substances are to be treated individually when directed by the surveying company to complete the survey by substance unit. Individual treatment is also necessary when requested to complete a survey for substances not on the List of Surveyed Substances Used in the Production Process.

(a)	(b)	(c)	(d)	(e)	(f)	(g)
	No.	Substance Group	Breakdown Substance Information Included?	Amount Contained mg	Application	Purpose(s) of Use
LEVEL A	A05	Cadmium and Cadmium Compounds	Y○			
	A07	Hexavalent Chromium Compounds	Y○			
	A09	Lead and Lead Compounds	Y○			
	A10	Mercury and Mercury Compounds	Y○			
	A17	Tributyl Tin Oxide (TBTO)	Y○			
	A18	Tributyl Tins & Triphenyl Tins	Y○			
	B02	Polybrominated Biphenyls (PBBs)	Y○			
	B03	Polybrominated Diphenyl ethers (PBDEs)	Y○			
	B05	Polychlorinated Biphenyls (PCBs)	Y○			
	B06	Polychloronapthalenes (Cl=>3)	Y○			
	B09	Short Chain Chlorinated Paraffins *2	Y○			
	C01	Asbestos	Y○			
	C02	Azo Colorants *3	Y○			
	C04	Ozone Depleting Substances *4	Y○			
	C06	Radioactive Substances	Y○			
LEVEL B	A01	Antimony and Antimony Compounds	Y○			
	A02	Arsenic and Arsenic Compounds	Y○			
	A03	Beryllium and Beryllium Compounds	Y○			
	A04	Bismuth and Bismuth Compounds	Y○			
	A11	Nickel and Nickel Compounds *2	Y○			
	A13	Selenium and Selenium Compounds	Y○			
	A16	Magnesium	Y○			
	B08	Brominated Flame Retardants *3	Y○			
	B07	Vinyl Chloride Polymer (PVC)	Y○			
	C05	Phthalates *4	Y○			
	D01	Copper and Copper Compounds	Y○			
	D02	Gold and Gold Compounds	Y○			
	D03	Palladium and Palladium Compounds	Y○			
	D04	Silver and Silver Compounds	Y○			

(a) **Level**
List A is divided into 2 list levels. The Level A List is for chemical substances that are regulated by laws and ordinances inside and outside of Japan, and the Level B List is for chemical substances about which the Japan Green Procurement Survey Standardization Initiative has concerns.

(b) **No**.
Substance Group Classification Number: A substance group number that is administered by the Japan Green Procurement Survey Standardization Initiative

(c) **Substance Group**.
Substance Group: The name of the Substance Group that corresponds to the Substance Classification Number. Please refer to Appendix 2 for details pertaining to each Chemical Substance Group.

(d) When chemical substance information for substances that belong to the substance groups that are contained has been entered in "Breakdown Substance Information for the Chemical Substances Contained", please circle "Y".
In this case, the "Application" and "Purpose(s) of Use" sections on this same line may be omitted. For "Amount Contained", please enter the total amount.

(e) **Amount Contained**
Enter the amount of the chemical substance contained per the unit set in item (e) Unit, in the "Basic Information Pertaining to Parts" section. Enter this amount in milligrams and round off after the second digit.
E.g.: 2500mg (in the case 0f 2549mg), 1.1mg (in the case of 1.1456mg), 0.0021mg (in the case of 0. 00214mg)
With regard to A Group and D Group chemical substances, please enter the amount contained for the target metallic compounds. For substances, such as lead chromate, that belong to more than one group, please enter the applicable information in both of the applicable sections. (E.g., Enter the amount of Chrome Metal in the Hexavalent Chromium section and the amount of Lead Metal in the Lead section.) With regard to B Group and C Group chemical substances, please enter the amount contained, in milligrams, rounded off after the second digit, for the chemical substance itself.

(f) **Application**
The application is the component of the part that contains the chemical substance subject to the survey. Enter the name of the application containing the substance for which you indicated the amount contained in (e). For the name of the application, enter the name used in specifications and diagrams, your usual term, or the general name for the application. Furthermore, if the same substance is contained in multiple components, enter the main application where it is contained. In this case, write "etc." after the application.
** When the item covered by the survey is a single electronic part or other part, the component is the item recorded on the diagram of the part concerned or the component materials list.
E.g. 1) Ceramic material, internal electrode, or external electrode in a layered ceramic capacitor
E.g. 2) Lead wire, electrolytic solution, sealing material, or electrode foil in electrolytic capacitors
E.g. 3) Rubber contact points, springs, plastic covers for switches
**:When the item covered by the survey is a machinery product or assembly electronic part, the usage part is the item recorded on the diagram of the part (product) or parts concerned (e.g., Layered ceramic capacitor, electrolytic capacitor, printed circuit board, or solder for assembly)

(g) **Purpose of Use**
Enter the purpose of use for the substance contained, and other reasons for using that substance, in simple terms.
E.g. 1) Stabilizer, plasticizer, coloring, flame retardant, rust preventative, solder ingredient, etc.
E.g. 2) Main ingredient, heat stability improvement, electrical characteristic improvement, mechanical characteristic improvement, etc.
E.g. 3) Impurity (when it is clear that it was not intentionally added), etc.

[Breakdown Substance Information for the Chemical Substances Contained] For A Group and D Group Metals and Their Compounds

With regard to A Group and D Group Metals and Their Compounds, when responding based on CAS No. unit, please use this table.

(a) Classification No.	(b) Classification No. of Example Substance.	(c) Name of Breakdown Substance	(d) CAS No.	(e) Conversion Factor to Metal Mass	(f) Compound Content (mg)	(g) Metal Content (mg)	(h) Chemical Formula	(i) Application	(j) Purpose(s) of Use
					Sum				

(a) A Substance Group Number administered by the Japan Green Procurement Survey Standardization Initiative

(b) For the Classification No. of Example Substances, please enter the numbers noted in Appendix 3.

(c) Please enter the name of the substance contained by referring to Appendix 3.

(d) If the CAS No. of the substance contained is known, please enter that CAS No.

(e) Please enter the Metal Conversion Coefficient used for conversion (This is not a mandatory entry.)

(f) **Amount Contained**

Enter the amount of the chemical substance contained per the unit set in item (e) Unit, in the "Basic Information Pertaining to Parts" section.

Enter the amount in milligrams and round off after the second digit.

E.g. 2500mg (in case 0f 2549mg), 1.1mg (in case of 1.1456mg), 0.0021mg (in case of 0. 00214mg)

(g) **Metal Content** (Please be sure to make an entry in this section if "Breakdown Substance Information for the Chemical Substances Contained" is entered based on the CAS No. level.)

Please make your entry in milligrams and round off after the second digit. Controlled values, analyzed values, calculated values or theoretical values may be used. When there is a range of content values, or when the range of content values can be estimated, please enter the largest value.

(h) **Application**

The application is the component of the part that contains the chemical substance subject to the survey. Enter the name of the application containing the substance for which you indicated the amount contained in (e). For the name of the application, enter the name used in specifications and diagrams, your usual term, or the general name for the application. Furthermore, if the same substance is contained in multiple components, enter the main application where it is contained. In this case write "etc." after the application.

** When the item covered by the survey is a single electronic part or other part, the component is the item recorded on the diagram of the part concerned or the composition materials list.

E.g. 1) Ceramic material, internal electrode, or external electrode in a layered ceramic capacitor
E.g. 2) Lead wire, electrolytic solution, sealing material, or electrode foil in electrolytic capacitors
E.g. 3) Rubber contact points, springs, plastic covers for switches

**:When the item covered by the survey is a machinery product or assembly electronic part, the usage part is the item recorded on the diagram of the part (product) concerned, or the parts E.g. Layered ceramic capacitor, electrolytic capacitor, printed circuit board, or solder for assembly

(h) **Purpose of Use**

Enter the purpose of use for the substance contained, and other reasons for using that substance, in simple terms.

E.g. 1) Stabilizer, plasticizer, coloring, flame retardant, rust preventative, solder ingredient, etc.
E.g. 2) Main ingredient, heat stability improvement, electrical characteristic improvement, mechanical characteristic improvement, etc.
E.g. 3) Impurity (when it is clear that it was not intentionally added), etc.

[Breakdown Substance Information for the Chemical Substances Contained] For Non-Metallic Compounds in Groups B or C

NOTE: In the case of Brominated Flame Retardants please enter the ISO-1043-4 code or the CAS No.

In the case of B Group and C Group chemical substances other than brominated flame retardants, when responding based on CAS No. unit, please use this table.

(a) Classification No.	(b) Classification No. of Example Substance.	(c) Name of Breakdown Substance	(d) CAS No.	(e) Compound Content (mg)	(f) Chemical Formula	(g) Application	(h) Purpose(s) of Use (Parts)
			Sum				

(a) A Substance Group Number administered by the Japan Green Procurement Survey Standardization Initiative

(b) For the Classification No. of Example Substances, please enter the numbers noted in Appendix 3.

(c) Please enter the name of the substance contained by referring to Appendix 3.

(d) If the CAS No. of the substance contained is known, please enter that CAS No.

(e) Please enter the Metal Conversion Coefficient used for conversion (This is not a mandatory entry.)

(f) **Amount Contained**

Enter the amount of the chemical substance contained per the unit set in item (e) Unit, in the “Basic Information Pertaining to Parts” section.

Enter the amount in milligrams and round off after the second digit.

E.g. 2500mg (in case 0f 2549mg), 1.1mg (in case of 1.1456mg), 0.0021mg (in case of 0. 00214mg)

(g) **Application**

The application is the component of the part that contains the chemical substance subject to the survey. Enter the name of the application containing the substance for which you indicated the amount contained in (e). For the name of the application, enter the name used in specifications and diagrams, your usual term, or the general name for the application. Furthermore, if the same substance is contained in multiple components, enter the main application where it is contained. In this case write “etc.” after the application.

** When the item covered by the survey is a single electronic part or other part, the component is the item recorded on the diagram of the part concerned or the composition materials list.

E.g. 1) Ceramic material, internal electrode, or external electrode in a layered ceramic capacitor
E.g. 2) Lead wire, electrolytic solution, sealing material, or electrode foil in electrolytic capacitors
E.g. 3) Rubber contact points, springs, plastic covers for switches

**:When the item covered by the survey is a machinery product or assembly electronic part, the usage part is the item recorded on the diagram of the part (product) concerned, or the parts E.g. Layered ceramic capacitor, electrolytic capacitor, printed circuit board, or solder for assembly

(h) **Purpose of Use**

Enter the purpose of use for the substance contained, and other reasons for using that substance, in simple terms.

E.g. 1) Stabilizer, plasticizer, coloring, flame retardant, rust preventative, solder ingredient, etc.
E.g. 2) Main ingredient, heat stability improvement, electrical characteristic improvement, mechanical characteristic improvement, etc.
E.g. 3) Impurity (when it is clear that it was not intentionally added), etc.

[Breakdown Substance Information for the Chemical Substances Contained] For Non-Metallic Compounds in Groups B or C

NOTE: In the case of Brominated Flame Retardants please enter the ISO-1043-4 code or the CAS No.

In the case of brominated flame retardants, rather than entering your responses according to the Substance Group, please enter your responses in this section.

For the Compound Content, please enter your responses by referring to Appendix 3 and then using either the ISO 1043-4 Code or the CAS. No. If the ISO 1043-4 Code is entered, it is not necessary to enter a response for the CAS. No.

(a) Classification No.	(b) Classification No. of Example Substance.	(c) Name of Breakdown Substance	(d) CAS No.	(e) Compound Content (mg)	(f) Chemical Formula	(g) Application	(h) Purpose(s) of Use (Parts)
			Sum				

(a) A Substance Group Number administered by the Japan Green Procurement Survey Standardization Initiative

(b) For the Classification No. of Example Substances, please enter the numbers noted in Appendix 3.

(c) Please enter the name of the substance contained by referring to Appendix 3.
Please enter your responses by referring to Appendix 3 and then using either the ISO 1043-4 Code or the CAS. No. If the ISO 1043-4 Code is entered, it is not necessary to enter a response for the CAS. No.

ISO 1043-4 Code	Substance
FR(14)	[Aliphatic/alicyclic brominated compounds
FR(15)	Aliphatic/alicyclic brominated compounds in combination with antimony compounds
FR(16)	Aromatic brominated compounds (excluding brominated diphenyl ether and biphenyls)
FR(17)	Aromatic brominated compounds (excluding brominated diphenyl ether and biphenyls) in combination with antimony compounds
FR(22)	Aliphatic/alicyclic chlorinated and brominated compounds
FR(42)	Brominated organic phosphorus compounds

(d) Please enter the Metal Conversion Coefficient used for conversion (This is not a mandatory entry.)

(a) **Amount Contained**

Enter the amount of chemical substance contained per the unit set in item (e) Unit, in the "Basic Information Pertaining to Parts" section.

Enter the amount in milligrams and round off after the second digit.

E.g. 2500mg (in case 0f 2549mg), 1.1mg (in case of 1.1456mg), 0.0021mg (in case of 0. 00214mg)

(b) **Application**

The application is the component of the part that contains the chemical substance subject to the survey. Enter the name of the application containing the substance for which you indicated the amount contained in (e). For the name of the application, enter the name used in specifications and diagrams, your usual term, or the general name for the application. Furthermore, if the same substance is contained in multiple components, enter the main application where it is contained. In this case write "etc." after the application.

** When the item covered by the survey is a single electronic part or other part, the component is the item recorded on the diagram of the part concerned or the composition materials list.

E.g. 1) Ceramic material, internal electrode, or external electrode in a layered ceramic capacitor
E.g. 2) Lead wire, electrolytic solution, sealing material, or electrode foil in electrolytic capacitors
E.g. 3) Rubber contact points, springs, plastic covers for switches

**:When the item covered by the survey is a machinery product or assembly electronic part, the usage part is the item recorded on the diagram of the part (product) concerned, or the parts E.g. Layered ceramic capacitor, electrolytic capacitor, printed circuit board, or solder for assembly

Purpose of Use

Enter the purpose of use for the substance contained, and other reasons for using that substance, in simple terms.

E.g. 1) Stabilizer, plasticizer, coloring, flame retardant, rust preventative, solder ingredient, etc.
E.g. 2) Main ingredient, heat stability improvement, electrical characteristic improvement, mechanical characteristic improvement, etc.
E.g. 3) Impurity (when it is clear that it was not intentionally added), etc.

Appendices

Appendix 1: List of Surveyed Substances Used in the Production Process (Including Isomers)

Appendix 2: List A (29 Substance Groups)

Appendix 3: Reference List of Common Examples of Substances

Appendix 3-1: Specified Amines (Those Substances That Are Created by Means of the Decomposition of 1 or More Azo Radicals)

Appendix 4: List B

Appendix 5: History of Changes to List A

FUJIFILM group Green Procurement

Appendix 1: List of Surveyed Substances Used in the Production Process (Including Isomers)

Name of Substance	Chemical Formula
CFC-11	$CFCl_3$
CFC-12	CF_2Cl_2
CFC-113	$C_2F_3Cl_3$
CFC-114	$C_2F_4Cl_2$
CFC-115	C_2F_5Cl
Halon 1211	CF_2BrCl
Halon 1301	CF_3Br
Halon 2402	$C_2F_4Br_2$
CFC-13	CF_3Cl
CFC-111	C_2FCl_5
CFC-112	$C_2F_2Cl_4$
CFC-211	C_3FCl_7
CFC-212	$C_3F_2Cl_6$
CFC-213	$C_3F_3Cl_5$
CFC-214	$C_3F_4Cl_4$
CFC-215	$C_3F_5Cl_3$
CFC-216	$C_3F_6Cl_2$
CFC-217	C_3F_7Cl
Carbon tetrachloride	CCl_4
1,1,1-Trichloroethane	$C_2H_3Cl_3$
Methyl bromide	CH_3Br
Dibromofluoromethane	$CHFBr_2$
Bromodifluoromethane	CHF_2Br
Bromofluoromethane	CH_2FBr
Tetrabromofluoroethane	C_2HFBr_4
Tribromodifluoroethane	$C_2HF_2Br_3$
Dibromotrifluoroethane	$C_2HF_3Br_2$
Bromotetrafluoroethane	C_2HF_4Br
Tribromofluoroethane	$C_2H_2FBr_3$
Dibromodifluoroethane	$C_2H_2F_2Br_2$
Bromotrifluoroethane	$C_2H_2F_3Br$
Dibromofluoroethane	$C_2H_3FBr_2$
Bromodifluoroethane	$C_2H_3F_2Br$
Bromofluoroethane	C_2H_4FBr
Hexabromofluoropropane	C_3HFBr_6
Pentabromodifluoropropane	$C_3HF_2Br_5$
Tetrabromotrifluoropropane	$C_3HF_3Br_4$
Tribromotetrafluoropropane	$C_3HF_4Br_3$
Dibromopentafluoropropane	$C_3HF_5Br_2$
Bromohexafluoropropane	C_3HF_6Br
Pentabromofluoropropane	$C_3H_2FBr_5$
Tetrabromodifluoropropane	$C_3H_2F_2Br_4$
Tribromotrifluoropropane	$C_3H_2F_3Br_3$
Dibromotetrafluoropropane	$C_3H_2F_4Br_2$
Bromopentafluoropropane	$C_3H_2F_5Br$
Tetrabromofluoropropane	$C_3H_3FBr_4$
Tribromodifluoropropane	$C_3H_3F_2Br_3$
Dibromotrifluoropropane	$C_3H_3F_3Br_2$
Bromotetrafluoropropane	$C_3H_3F_4Br$
Tribromofluoropropane	$C_3H_4FBr_3$
Dibromodifluoropropane	$C_3H_4F_2Br_2$
Bromotrifluoropropane	$C_3H_4F_3Br$
Dibromofluoropropane	$C_3H_5FBr_2$
Bromodifluoropropane	$C_3H_5F_2Br$
Bromofluoropropane	C_3H_6FBr
Chlorobromomethane	CH_2BrCl

Appendix 2 List A July 22, 2003

2-1: Level A

*:The substance groups of Level A are those subject to currently enacted legislation that either prohibits or restricts their use in products or their marketing or requires reporting

*:The relations between Level A Substance Groups and legal regulations are provided as reference information. Although the level A chemical substance groups are selected in accordance with legal regulations inside and outside of Japan, responses to these legal regulations are to be referenced at each company..

No.	Sub-stance Group	Classification	Substance	Applicable Laws and Regulations
1	A05	Metal Compounds *1	Cadmium and Cadmium Compounds	Statutory order No.1199 of December 23, 1992 on the prohibition of sale, import and manufacture of cadmium--containing products,76/769/EEC(+91/338/EEC), 91/157/EEC･93/86/EEC,2000/53/EC(EU/ELV),2002/95/EC(EU/RoHS), 94/62/EEC,Model Toxics in Packaging
2	A07		Hexavalent Chromium Compounds	2000/53/EC(EU/ELV),2002/95/EC(EU/RoHS),94/62/EEC, Model Toxics in Packaging
3	A09		Lead and Lead Compounds	76/769/EEC(+86/677/EEC),91/157/EEC･93/86/EEC,2000/53/EC(EU/ELV), 2002/95/EC(EU/RoHS),94/62/EEC,Model Toxics in Packaging
4	A10		Mercury and Mercury Compounds	76/769/EEC,91/157/EEC (+98/101/EC),2000/53/EC(EU/ELV), 2002/95/EC(EU/RoHS),94/62/EEC、Model Toxics in Packaging
5	A17		Tributyl Tin Oxide (TBTO)	The Law Concerning the Examination and Regulation of Manufacture etc. of Chemical Substances(Class 1 Specified Chemical Substances)
6	A18		Tributyl Tins & Triphenyl Tins	The Law Concerning the Examination and Regulation of Manufacture etc. of Chemical Substances(Class 2 Specified Chemical Substances)
7	B02	Halogenated organic componds	Polybrominated Biphenyls (PBBs)	2002/95/EC(EU/RoHS)、(Dioxin Decree 07/15/1994)
8	B03		Polybrominated Diphenyl ethers (PBDEs)	2002/95/EC(EU/RoHS),(Dioxin Decree 07/15/1994)pentaBDE,octaBDE 76/769/EEC(+2003/11/EC)
9	B05		Polychlorinated Biphenyls (PCBs)	The Law Concerning the Examination and Regulation of Manufacture etc. of Chemical Substances(Class 1 Specified Chemical Substances), 76/769/EEC
10	B06		Polychloronapthalenes (Cl=>3)	The Law Concerning the Examination and Regulation of Manufacture etc. of Chemical Substances(Class 1 Specified Chemical Substances)
11	B09		Short Chain Chlorinated Paraffins *2	76/769/EEC(+2002/45/EC),(Dioxin Decree 07/15/1994)
12	C01	Others	Asbestos	76/769/EEC(+91/659/EEC)
13	C02		Azo Colorants *3	76/769/EEC(+2002/61/EC･+2003/3/EC),Consumer Goods Ordinance(04/1997)
14	C04		Ozone Depleting Substances *4	Law Concerning The Protection of The Ozone Layer Through The Control of Specified Substances and Other Measures, Montreal Protocol, Section 611 on the Clean Air Act of 1990,76/769/EEC(+94/60/EEC,+97/64/EEC)
15	C06		Radioactive Substances	Law for the Regulation of Nuclear Source Material, Fuel Material Reactors 1986

*1: Including their alloys.

*2: Short Chain Chlorinated Paraffins (C10-13).

*3: Azo dyes and pigments that form specified amines. The target applications are limited to parts that may come into direct contact with human skin for a long time.

(Specified amines are the substances listed in Amendment 19 of 76/769/EEC. Refer to Appendix 3-1.)

*4: Substances listed in the Montreal Protocol Refer to Appendix 3-1for the details of classes.

Regarding Class Ⅱ substances, although they are not prohibited substances, they are nonetheless included among the survey targets.

2-2 Level B

*The Substance Groups of level B are chemical substance groups that were selected, from the four perspectives noted below (*5), at a conference held (on January 30-31, 2003) by JGPSSI, EIA and EICTA. The Level B List is not a list of so-called hazardous substances or toxic substances.

No.	Substance Group	Classification	Substance
16	A01	Metal Compounds *1	Antimony and Antimony Compounds
17	A02		Arsenic and Arsenic Compounds
18	A03		Beryllium and Beryllium Compounds
19	A04		Bismuth and Bismuth Compounds
20	A11		Nickel and Nickel Compounds *2
21	A13		Selenium and Selenium Compounds
22	A16		Magnesium
23	B08	Halogenated Organic Compounds	Brominated Flame Retardants *3
24	B07		Vinyl Chloride Polymer (PVC)
25	C05	Other	Phthalates *4
26	D01	Precious Metals *1	Copper and Copper Compounds
27	D02		Gold and Gold Compounds
28	D03		Palladium and Palladium Compounds
29	D04		Silver and Silver Compounds

*1 Including their alloys
*2 In the case of nickel and its compounds, alloys（for example：stainless steel）are excluded.
*3 Brominated flame retardants, except for PBBs and PBDEs. In the specification of the substance contained, please enter your response using either ISO 1043-4 code or the CAS No.
*4 Only applies to the following 5 compounds for which EU risk assessment has been implemented (Appendix 3):
Dibutylphthalate; Di(2-ethylhexyl)phthalate; Diisononyl phthalate;
1,2-Benzenedicarboxylic acid diisodecyl ester; Butyl benzyl phthalate
*5 Selection Perspectives (Substance groups were selected for Level B listing when one or more of the following perspectives was applicable.):
a: Precious materials/ substances that are present in electronic equipment and provide economic value to recyclers at end-of-life
b: Materials /substances that are feared to have effects on the environment, health or safety
c: Materials / substances that are subject to the requirements of legal regulations concerning hazardous waste
d: Materials / substances concerning which information is required in order to avoid negative impact at the stage of end-of-life management.

Appendix 3: Reference List of Common Examples of Substances

* With regard to the CAS Number, chemical formula and heavy metal conversion coefficients, we have striven to provide the appropriate information, but this does not necessarily enable us to guarantee that all such entries are perfectly accurate.

*1: Substance Classification No.

Level A

Classification	No.	Substance Group	No.	Substance	Chemical Formula	Metal Conversion Factor	CAS No.
Metal com-pounds	A05	Cadmium and its compounds	A05001	Cadmium	Cd	1.000	7440-43-9
			A05002	Cadmium oxide	CdO	0.875	1306-19-0
			A05003	Cadmium sulfide	CdS	0.778	1306-23-6
			A05004	Cadmium chloride	$CdCl_2$	0.613	10108-64-2
			A05005	Cadmium sulfate	$CdSO_4$	0.539	10124-36-4
			A05990~9	Other cadmium compounds	-	-	-
	A07	Chromium VI and its compounds	A07001	Sodium dichromate	$Na_2Cr_2O_7$	0.397	10588-01-9
			A07002	Chromium(VI) oxide	CrO_3	0.520	1333-82-0
			A07003	Calcium chromate	$CaCrO_4$	0.333	13765-19-0
			A07004	Lead(II) chromate	$PbCrO_4$	0.161	7758-97-6
			A07005	Potassium dichromate	$K_2Cr_2O_7$	0.353	7778-50-9
			A07006	Potassium chromate	K_2CrO_4	0.268	7789-00-6
			A07990~9	Other hexavalent chromium compounds	-	-	-
	A09	Lead and its compounds	A09001	Lead	Pb	1.000	7439-92-1
			A09002	Lead(II) carbonate	$PbCO_3$	0.775	598-63-0
			A09003	Lead(IV) oxide	PbO_2	0.866	1309-60-0
			A09004	Lead(II,IV) oxide	Pb_3O_4	0.907	1314-41-6
			A09005	Lead(II) sulfide	PbS	0.866	1314-87-0
			A09006	Lead(II) oxide	PbO	0.928	1317-36-8
			A09007	Lead(II) carbonate basic	$_2PbCO_3.Pb(OH)_2$	0.801	1319-46-6
			A09008	Lead hydroxidcarbonate	$_2PbCO_3.Pb(OH)_2$	0.801	1344-36-1
			A09009	Lead(II) sulfate	$PbSO_4$	0.683	7446-14-2
			A09010	Lead(II) phosphate	$Pb_3(PO_4)_2$	0.766	7446-27-7
			A09011	Lead(II) chromate	$PbCrO_4$	0.641	7758-97-6
			A09012	Lead(II) titanate	$PbTiO_3$	0.686	12060-00-3
			A09013	Lead sulfate,sulphuric acid, lead salt	Pb_XSO_4	1.000	15739-80-7
			A09014	Lead sulphate,tribasic	$PbSO_4.H_2O$	0.850	12202-17-4
			A09015	Lead stearate	$Pb(C_{17}H_{35}COO)_2$	0.268	1072-35-1
			A09016	Lead stearate,dibasic	$_2PbO \cdot Pb(C_{17}H_{35}COO)_2$	0.410	56189-09-4
			A09990~9	Other lead compounds	-	-	-
	A10	Mercury and its compounds	A10001	Mercury	Hg	1.000	7439-97-6
			A10002	Mercury(II) chloride	$HgCl_2$	0.739	7487-94-7
			A10003	Mercury(II) oxide	HgO	0.926	21908-53-2
			A10990~9	Other mercury compounds	-	-	-
	A17	Bis(tri-n-butyltin) oxide (TBTO)	A17001	Bis(tri-n-butyltin) oxide	$O(Sn(C_4H_9)_3)_2$	-	56-35-9
	A18	Tributyl Tins(TBTs) & Triphenyl Tins(TPTs)	A18001	Triphenyltin N,N'-dimethyldithiocarbamate	$(C_6H_5)_3Sn(CH_3)_2NCS_2$	-	1803-12-9
			A18002	Triphenyltin fluoride	$(C_6H_5)_3SnF$	-	379-52-2
			A18003	Triphenyltin acetate	$(C_6H_5)_3SnOCOCH_3$	-	900-95-8
			A18004	Triphenyltin chloride	$(C_6H_5)_3SnCl$	-	639-58-7
			A18005	Triphenyltin hydroxide	$(C_6H_5)_3SnOH$	-	76-87-9
			A18006	Triphenyltin fatty acid salts (C=9-11)	-	-	47672-31-1
			A18007	Triphenyltin chloroacetate	$(C_6H_5)_3SnOCOCH_2Cl$	-	7094-94-2
			A18008	Tributyltin methacrylate	$(C_4H_9)_3SnC_4H_5O_2$	-	2155-70-6
			A18009	Bis(tributyltin) fumarate	$C_2H_2(COO)_2((C_4H_9)_3Sn)_2$	-	6454-35-9
			A18010	Tributyltin fluoride	$(C_4H_9)_3SnF$	-	1983-10-4
			A18011	Bis(tributyltin) 2,3-dibromosuccinate	$((C_4H_9)_3Sn)_2C_2H_2(Br)_2(COO)_2$	-	31732-71-5
			A18012	Tributyltin acetate	$(C_4H_9)_3SnOCOCH_3$	-	56-36-0
			A18013	Tributyltin laurate	$(C_4H_9)_3SnC_{12}H_{23}O_2$	-	3090-36-6
			A18014	Bis(tributyltin) phthalate	$(C_6H_4)(COO)_2((C_4H_9)_3Sn)_2$	-	4782-29-0
			A18015	Copolymer of alkyl acrylate, methyl methacrylate and tributyltin methacrylate(alkyl; C=8)	-	-	-
			A18016	Tributyltin sulfamate	$(C_4H_9)_3SnSO_3NH_2$	-	6517-25-5
			A18017	Bis(tributyltin) maleate	$C_2H_2(COO)_2((C_4H_9)_3Sn)_2$	-	14275-57-1
			A18018	Tributyltin chloride	$(C_4H_9)_3SnCl$	-	1461-22-9
			A18019	Mixture of tributyltin cyclopentanecarboxylate and its analogs (Tributyltin naphthenate)	$(C_4H_9)_3SnCO_3C_5H_9$	-	-

Classification	No.	Substance Group	No.	Substance	Chemical Formula	Metal Conversion Factor	CAS No.
Metal Compounds	A18	Tributyl Tins(TBTs) & Triphenyl Tins(TPTs)	A18020	Mixture of tributyltin 1,2,3,4,4a,4b,5,6,10,10a-decahydro-7-isopropyl-1,4a-dimethyl-1-phenanthlenecarboxylate and its analogs (Tributyltin rosin salt)	-	-	-
			A18997~9	Other Tributyl Tins & Triphenyl Tins	-	-	-
Halogenated organic compounds	B02	PBBs	B02001	polybrominated biphenyls	$C_{12}H_xBr_{(10-X)}$	-	-
			B02990~9	Other polybrominated biphenyls	-	-	-
	B03	PBDEs	B03001	polybrominated diphenyl ethers	$C_{12}H_xBr_{(10-X)}O$	-	-
			B03990~9	Other polybrominated diphenyl ethers	-	-	-
	B05	PCB/PCT	B05001	Polychlorinated biphenyls	Unspecified	-	1336-36-3
			B05002	Polychlorinated terphenyls	Unspecified	-	61788-33-8
			B05997~9	Other PCBs	-	-	-
	B06	Polychlorinated Naphthalenes (with more than 3 chlorine atoms)	B06001	Polychlorinated Naphthalenes (Cl=>3)	Unspecified	-	70776-03-3
			B06997~9	Other polychlorinated Naphthalenes (Cl=>3)	-	-	-
	B09	Short Chain Chlorinated Paraffins	B09001	Chlorinated paraffine (C10-13)	Unspecified	-	85535-84-8
			B09997~9	Other Short Chain Chlorinated Paraffins	-	-	-
Other	C01	Asbestos	C01001	Actinolite	Unspecified	-	77536-66-4
			C01002	Amosite	Unspecified	-	12172-73-5
			C01003	Anthophyllite	Unspecified	-	77536-67-5
			C01004	Chrysotile	Unspecified	-	12001-29-5
			C01005	Crocidolite	Unspecified	-	12001-28-4
			C01006	Tremolite	Unspecified	-	77536-68-6
			C01997~9	Other asbestos	-	-	-
	C02	Azo colorants *4	C02001	Azo dyes forming certain amines	-	-	-
	C04	Ozone-depleting substances (Isomers included) (See Appendix 3-1*1)	C04097	CFCs(Annex A Group I substances in the Montreal Protocol)	Class I	-	-
			C04098	Halons(Annex A Group II substances in the Montreal Protocol)	Class I	-	-
			C04099	CFCs(Annex B Group I substances in the Montreal Protocol)	Class I	-	-
			C04100	Carbon tetrachloride(Annex B Group II substance in the Montreal Protocol)	Class I	-	-
			C04101	1,1,1-trichloroethane(Annex B Group III substance in the Montreal Protocol)	Class I	-	-
			C04102	Bromochloromethane(Annex C Group III substance in the Montreal Protocol)	Class I	-	-
			C04103	Methyl bromide(Annex E substance in the Montreal Protocol)	Class I	-	-
			C04104	HBFCs(Annex C Group II substances in the Montreal Protocol)	Class I	-	-
			C04105	HCFCs(Annex C Group I substances in the Montreal Protocol)	Class II	-	-
	C06	Radioactive substances	C06001	Uranium	U	-	-
			C06002	Plutonium	Pu	-	-
			C06003	Radon	Rn	-	-
			C06004	Americium	Am	-	-
			C06005	Thorium	Th	-	-
			C06006	Cesium	Cs	-	7440-46-2
			C06007	Strontium	Sr	-	7440-24-6
			C06997~9	Other radioactive substances	-	-	-

Level B

Classification	No.	Substance Group		No.	Substance	Chemical Formula	Metal conversion factor	CAS No.
Metal Com-pounds	A01	Antimony and its compounds		A01001	Antimony	Sb	1.000	7440-36-0
				A01002	Antimony trichloride	$SbCl_3$	0.534	10025-91-9
				A01003	Antimony trioxide	Sb_2O_3	0.835	1309-64-4
				A01004	Antimony pentoxide	Sb_2O_5	0.753	1314-60-9
				A01005	Sodium antimonate	Na_3O_4Sb	0.632	15432-85-6
				A01997~9	Other antimony compounds	-	-	-
	A02	Arsenic and its compounds		A02001	Arsenic	As	1.000	7440-38-2
				A02002	Gallium arsenide	GaAs	0.518	1303-00-0
				A02003	Arsenic pentoxide	As_2O_5	0.652	1303-28-2
				A02004	Arsenic trioxide	As_2O_3	0.757	1327-53-3
				A02997~9	Other arsenic compounds	-	-	-
	A03	Beryllium and its compounds		A03001	Beryllium	Be	1.000	7440-41-7
				A03002	Beryllium oxide	BeO	0.360	1304-56-9
				A03997~9	Other beryllium compounds	-	-	-
	A04	Bismuth and its compounds		A04001	Bismuth	Bi	1.000	7440-69-9
				A04002	Bismuth trioxide	Bi_4O_6	0.897	1304-76-3
				A04003	Bismuth nitrate	BiN_3O_9	0.529	10361-44-1
				A049979	Other bismuth compounds	-	-	-
	A11	Nickel compounds*2		A11001	Nickel(II) oxide	NiO	0.786	1313-99-1
				A11002	Nickel(II) carbonate	$NiCO_3$	0.494	3333-67-3
				A11003	Nickel(II) Sulfate	$NiSO_4$	0.379	7786-81-4
				A11004	Nickel	Ni	1.000	7440-02-0
				A119979	Other nickel compounds	-	-	-
	A13	Selenium and its compounds		A13001	Selenium	Se	1.000	7782-49-2
				A13002	Selenous acid	H_2SeO_3	0.612	7783-00-8
				A139979	Other selenium compounds	-	-	-
	A16	Magnesium		A16001	Magnesium	Mg	1.000	7439-95-4
Halo-genated organic com-pounds	B08 B08	Brominated flame retardant s*3	ISO CODE	B08001	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(14) [Aliphatic/alicyclic brominated compounds]			**code FR(14)**
				B08002	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(15) [Aliphatic/alicyclic brominated compounds in combination with antimony compounds]			**code FR(15)**
				B08003	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(16) [Aromatic brominated compounds（excluding brominated diphenyl ether and biphenyls）]			**code FR(16)**
				B08004	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(17) [Aromatic brominated compounds（excluding brominated diphenyl ether and biphenyls）in combination with antimony compounds]			**code FR(17)**
				B08005	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(22) [Aliphatic/alicyclic chlorinated and brominated compounds]			**code FR(22)**
				B08006	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(42) [Brominated organic phosphorus compounds]			**code FR(42)**
			CAS No.	B08007	Poly(2,6-dibromo-phenylene oxide)	$(C_6H_2Br_2O)x$	-	69882-11-7
				B08008	Tetra-decabromo-diphenoxy-benzene	$C_{18}Br_{14}O_2$	-	58965-66-5
				B08009	1,2-Bis(2,4,6-tribromo-phenoxy) ethane	$C_{14}H_8Br_6O_2$	-	37853-59-1
				B08010	3,5,3',5'-Tetrabromo-bisphenol A (TBBA)	$C_{15}H_{12}Br_4O_2$	-	79-94-7
				B08011	TBBA, unspecified	-	-	30496-13-0
				B08012	TBBA-epichlorhydrin oligomer	$(C_{15}H_{12}Br_4O_2.C_3H_5ClO)x$	-	40039-93-8
				B08013	TBBA-TBBA-diglycidyl-ether oligomer	-	-	70682-74-5
				B08014	TBBA carbonate oligomer	$(C_{15}H_{12}Br_4O_2.CCl_2O)x$	-	28906-13-0
				B08015	TBBA carbonate oligomer, phenoxy end capped	$(C_7H_5O_2)(C_{16}H_{10}Br_4O_3)x(C_6H_5O)(x=3\sim5)$	-	94334-64-2
				B08016	TBBA carbonate oligomer, 2,4,6-tribromo-phenol terminated	$(C_7H_2Br_3O_3)(C_{16}H_{10}Br_4O_3)n(C_6H_2Br_3)(n=3\sim5)$	-	71342-77-3
				B08017	TBBA-bisphenol A-phosgene polymer	$(C_{15}H_{16}O_2.C_{15}H_{12}Br_4O_2.CCl_2O)x$	-	32844-27-2
				B08018	Brominated epoxy resin end-capped with tribromophenol	-	-	139638-58-7
				B08019	Brominated epoxy resin end-capped with tribromophenol	-	-	135229-48-0
				B08020	TBBA-(2,3-dibromo-propyl-ether)	$C_{21}H_{20}Br_8O_2$	-	21850-44-2
				B08021	TBBA bis-(2-hydroxy-ethyl-ether)	$C_{19}H_{20}Br_4O_4$	-	4162-45-2
				B08022	TBBA-bis-(allyl-ether)	$C_{21}H_{20}Br_4O_2$	-	25327-89-3
				B08023	TBBA-dimethyl-ether	$C_{17}H_{16}Br_4O_2$	-	37853-61-5
				B08024	Tetrabromo-bisphenol S	$C_{12}H_6Br_4O_4S$	-	39635-79-5
				B08025	TBBS-bis-(2,3-dibromo-propyl-ether)	$C_{18}H_{14}Br_8O_4S$	-	42757-55-1
				B08026	2,4-Dibromo-phenol	$C_6H_4Br_2O$	-	615-58-7
				B08027	2,4,6-tribromo-phenol	$C_6H_3Br_3O$	-	118-79-6
				B08028	Pentabromo-phenol	C_6HBr_5O	-	608-71-9
				B08029	2,4,6-Tribromo-phenyl-alltl-ether	$C_9H_7Br_3O$	-	3278-89-5
				B08030	Tribromo-phenyl-allyl-ether, unspecified	$C_9H_7Br_3O$	-	26762-91-4

Classification	No.	Substance Group		No.	Substance	Chemical Formula	Metal conversion factor	CAS No.
			CAS No.	B08031	Hexabromo-cyclo-dodecane (HBCD), unspecified	$C_{12}H_{18}Br_6$	-	3194-55-6
				B08032	Tetrabromo-chyclo-octane	$C_8H_{12}Br_4$	-	31454-48-5
				B08033	1,2-Dibromo-4-(1,2 dibromo-methyl)-cyclo-hexane	$C_8H_{12}Br_4$	-	3322-93-8
				B08034	TBPA Na salt	$C_8Br_4O_4Na_2$	-	25357-79-3
				B08035	Tetrabromo phthalic anhydride	$C_8Br_4O_3$	-	632-79-1
				B08036	Bis(methyl)tetrabromo-phtalate	$C_{10}H_6Br_4O_4$	-	55481-60-2
				B08037	Bis(2-ethlhexyl)tetrabromo-phtalate	$C_{24}H_{34}Br_4O_4$	-	26040-51-7
				B08038	2-Hydroxy-propyl-2-(2-hydroxy-ethoxy)-ethyl-TBP	$C_{15}H_{16}Br_4O_7$	-	20566-35-2
				B08039	TBPA, glycol-and propylene-oxide esters	-	-	75790-69-1
				B08040	N,N'-Ethylene –bis-(tetrabromo-phthalimide)	$C_{18}H_4Br_8N_2O_4$	-	32588-76-4
				B08041	Ethylene-bis(5,6-dibromo-norbornane-2,3-dicarboximide)	$C_{20}H_{20}Br_4N_2O_4$	-	52907-07-0
				B08042	2,3-Dibromo-2-butene-1,4-diol	$C_4H_6Br_2O_2$	-	3234-02-4
				B08043	Dibromo-neopentyl-glycol	$C_5H_{10}Br_2O_2$	-	3296-90-0
				B08044	Dibromo-propanol	$C_3H_6Br_2O$	-	96-13-9
				B08045	Tribromo-neopentyl-alcohol	$C_5H_9Br_3O$	-	36483-57-5
				B08046	Poly tribromo-styrene	-	-	57137-10-7
				B08047	Tribromo-styrene	$C_8H_5Br_3$	-	61368-34-1
				B08048	Dibromo-styrene grafted PP	-	-	171091-06-8
				B08049	Poly-dibromo-styrene	$C_8H_6Br_2$	-	31780-26-4
				B08050	Bromo-/Chloro-paraffins	-	-	68955-41-9
				B08051	Bromo-/Chloro-alpha-olefin	-	-	82600-56-4
				B08052	Vinylbromide	C_2H_3Br	-	593-60-2
				B08053	Tris-(2,3-dibromo-propyl)-isocyanurate	$C_{12}H_{15}Br_6N_3O_3$	-	52434-90-9
				B08054	Tris(2,4-Dibromo-phenyl) phosphate	$C_{18}H_9Br_6O_4P$	-	49690-63-3
				B08055	Tris(tribromo-neopentyl) phosphate	$C_{15}H_{24}Br_9O_4P$	-	19186-97-1
				B08056	Chlorinated and brominated phosphate esther	-	-	125997-20-8
				B08057	Pentabromo-toluene	$C_7H_3Br_5$	-	87-83-2
				B08058	Pentabromo-benzyl bromide	$C_7H_2Br_6$	-	38521-51-6
				B08059	1,3-Butadiene homopolymer,brominated	-	-	68441-46-3
				B08060	Pentabromo-benzyl-acrylate, monomer	$C_{10}H_5Br_5O_2$	-	59447-55-1
				B08061	Pentabromo-benzyl-acrylate, polymer	$(C_{10}H_5Br_5O_2)x$	-	59447-57-3
				B08062	Decabromo-diphenyl-ethane	$C_{14}H_4Br_{10}O_2$	-	61262-53-1
				B08063	Tribromo-bisphenyl-maleinimide	$C_{10}H_4Br_3NO_2$	-	59789-51-4
				B08064	Brominated trimethylphenyl-lindane	-	-	59789-51-4
				B08997~9	Other Brominated Flame Retardants	-	-	-
	B07	Poly vinyl chloride (PVC)		B07001	Poly vinyl chloride (PVC)	$(CH_2CHCl)_n$	-	9002-86-2
Other	C05	Phthalate esters		C05001	Dibutylphthalate	$C_{16}H_{22}O_4$	-	84-74-2
				C05002	Di(2-ethylhexyl)phthalate	$C_{24}H_{38}O_4$	-	117-81-7
				C05003	Diisononyl phthalate	$C_{24}H_{38}O_4$	-	28553-12-0
				C05004	1,2-Benzenedicarboxylic acid diisodecyl ester	$C_{28}H_{46}O_4$	-	26761-40-0
				C05005	Butyl benzyl phthalate	$C_{19}H_{20}O_4$	-	85-68-7
				C05997~9	Other phtalate	-	-	-
Precious Metals	D01	Copper and its compounds		D01001	Copper	Cu	1.000	7440-50-8
				D01997~9	Other copper compounds	-		
	D02	Gold and its compounds		D02001	Gold	Au	1.000	7440-57-5
				D02997~9	Other gold compounds	-	-	-
	D03	Palladium and its compounds		D03001	Palladium	Pd	1.000	7440-05-3
				D03997~9	Other palladium compounds	-	-	-
	D04	Silver and its compounds		D04001	Silver	Ag	1.000	7440-22-4
				D04997~9	Other silver compounds	-	-	-

*1: Substances listed in the Montreal Protocol Refer to Appendix 3-1 for the details of classes.
Regarding Class II substances, although they are not prohibited substances, they are nonetheless included among the survey targets.
*2: In the case of nickel and its compounds, alloys (for example : stainless steel) are excluded.
*3 Brominated flame retardants, except for PBBs and PBDEs. Please enter your response using either the ISO 1043-4 code or the CAS No.
*4: Azo dyes that form specified amines (Refer to Appendix 3-2)
(Specified amines are the substances listed in Amendment 19 of 76/769/EEC.)
*5: For chemical substances for which the Metal Conversion Factor cannot be specified, the Metal Conversion Factor is considered to be "1".

Appendix 3-1: Specified Amines

July 22, 2003

(Formed through cleavage of one or more azo bonds)

Name of Substance	Chemical Formula	CAS Number
4-Aminoazobenzene	$C_{12}H_{11}N_3$	60-09-3
o-anisidine	C_7H_9NO	90-04-0
2-naphthylamine	$C_{10}H_9N$	91-59-8
3,3'-dichlorobenzidine	$C_{12}H_{10}Cl_2N_2$	91-94-1
biphenyl-4-ylamine	$C_{12}H_{11}N$	92-67-1
Benzidine	$C_{12}H_{12}N_2$	92-87-5
o-toluidine	C_7H_9N	95-53-4
4-chloro-o-toluidine	C_7H_8ClN	95-69-2
2,4-toluenediamine	$C_7H_{10}N_2$	95-80-7
o-aminoazotoluene	$C_{14}H_{15}N_3$	97-56-3
5-nitro-o-toluidine	$C_7H_8N_2O_2$	99-55-8
3,3'-dichloro-4,4'-diaminodiphenylmethane	$C_{13}H_{12}Cl_2N_2$	101-14-4
4,4'-methylenedianiline	$C_{13}H_{14}N_2$	101-77-9
4,4'-diaminodiphenylether	$C_{12}H_{12}N_2O$	101-80-4
p-chloroaniline	C_6H_6ClN	106-47-8
3,3'-dimethoxybenzidine	$C_{14}H_{16}N_2O_2$	119-90-4
3,3'-dimethylbenzidine	$C_{14}H_{16}N_2$	119-93-7
2-methoxy-5-methylaniline	$C_8H_{11}NO$	120-71-8
2,4,5-trimethylaniline	$C_9H_{13}N$	137-17-7
4,4'-thiodianiline	$C_{12}H_{12}N_2S$	139-65-1
4-methoxy-m-phenylenediamine	$C_7H_{10}N_2O$	615-05-4
4,4'-methylenedi-o-toluidine	$C_{15}H_{18}N_2$	838-88-0

Appendix 4 List B

No.	Name of Classification
1	Steel (except stainless steel)
2	Stainless steel
3	Copper
4	Aluminum
5	Magnesium
6	Nickel
7	Other nonferrous metals
8	Gold
9	Silver
10	Palladium
11	Platinum
12	Thermoplastic resin: ABS
13	Thermoplastic resin: PC
14	Thermoplastic resin: PC+ABS
15	Thermoplastic resin: PC+PS
16	Thermoplastic resin: PE
17	Thermoplastic resin: PET
18	Thermoplastic resin: PP
19	Thermoplastic resin: PPE
20	Thermoplastic resin: PS
21	Other thermoplastic resins
22	Thermosetting resin
23	Rubber
24	Wood
25	Glass
26	Paper
27	Fiber
28	Gas (intentionally added to the product)
29	Liquid (intentionally added to the product)
30	Other materials that must be declared
31	Other residual materials

Appendix 5 History of Changes to List A

A comparison of Version 1 (28 Substance Groups) and Version 2 (29 Substance Groups) of the Fujifilm Group Green Procurement Standards, which are based on the agreements of the JGPSSI

Level A

No.	Substances (Ver.1)	No.	Substances (Ver.2)	Changed or Unchanged Reason(s) for Change
A05	Cadmium and Cadmium Compounds	A05	Cadmium and Cadmium Compounds	Unchanged
A07	Hexavalent Chromium Compounds	A07	Hexavalent Chromium Compounds	Unchanged
A09	Lead and Lead Compounds	A09	Lead and Lead Compounds	Unchanged
A10	Mercury and Mercury Compounds	A10	Mercury and Mercury Compounds	Unchanged
		A17	Tributyl Tin Oxide (TBTO)	Newly Added
		A18	Tributyl Tins & Triphenyl Tins	Newly Added
		B09	Short Chain Chlorinated Paraffins	Changed in Order to Conform with EU Directive(s)
B02	Polybrominated Biphenyls (PBBs)	B02	Polybrominated Biphenyls (PBBs)	Unchanged
B03	Polybrominated Diphenyl ethers (PBDEs)	B03	Polybrominated Diphenyl ethers (PBDEs)	Unchanged
B05	Polychlorinated Biphenyls (PCBs)	B05	Polychlorinated Biphenyls (PCBs)	Unchanged
B06	Polychloronapthalenes (Cl=>3)	B06	Polychloronapthalenes (Cl=>3)	Unchanged
C01	Asbestos	C01	Asbestos	Unchanged
C02	Azo Colorants	C02	Azo Colorants	Unchanged
C04	Ozone Depleting Substances *4	C04	Ozone Depleting Substances *4	Unchanged
C06	Radioactive Substances	C06	Radioactive Substances	Unchanged

Level B

No.	Substances (Ver.1)	No.	Substances (Ver.2)	Changed or Unchanged Reason(s) for Change
A01	Antimony and Antimony Compounds	A01	Antimony and Antimony Compounds	Unchanged
A02	Arsenic and Arsenic Compounds	A02	Arsenic and Arsenic Compounds	Unchanged
A03	Beryllium and Beryllium Compounds	A03	Beryllium and Beryllium Compounds	Unchanged
A04	Bismuth and Bismuth Compounds	A04	Bismuth and Bismuth Compounds	Unchanged
A11	Nickel and Nickel Compounds	A11	Nickel and Nickel Compounds	Unchanged
A13	Selenium and Selenium Compounds	A13	Selenium and Selenium Compounds	Unchanged
		A16	Magnesium	Newly Added
		B08	Brominated Flame Retardants	Limitation of Halogenated Resin Additives
B07	Vinyl Chloride Polymer (PVC)	B07	Vinyl Chloride Polymer (PVC)	Unchanged
C05	Phthalates	C05	Phthalates	Unchanged
		D01	Copper and Copper Compounds	Newly Added
		D02	Gold and Gold Compounds	Newly Added
		D03	Palladium and Palladium Compounds	Newly Added
		D04	Silver and Silver Compounds	Newly Added

Substance Groups That Were Deleted in Conjunction with Changes to the List

No.	Substances (Ver.1)	No.	Substances (Ver.2)	Changed or Unchanged Reason(s) for Change
A06	Chromium compounds			Deleted
A08	Cobalt and its compounds			Deleted
A12	Organo tin compounds			Deleted
A14	Tellurium and its compounds			Deleted
A15	Thallium and its compounds			Deleted
B01	Chlorinated paraffins			Changed to Short Chain Chlorinated Paraffins
B04	Halogenated resin additives			Deleted
C03	Cyanides			Deleted

Attachments

Attachment 1: The Fujifilm Group Green Policy

Attachment 2: The Fujifilm Group's Green Procurement Standards and the Procedures for Advancing Them

Attachment 1: The Fujifilm Group Green Policy

The Fujifilm Group Green Policy

(Instituted on April 1, 2002)
(Revised on April 1, 2003)

At our company we have instituted the "Fujifilm Group Green Policy" as our new environmental policy. In the context of our previous environmental policy, the "Fujifilm Responsible Care Policy", we established Action Guidelines and Priority Implementation Items by placing the central emphasis on Responsible Care, which is a concept whereby businesses voluntarily achieve environmental preservation and safety in all of their fields of activity. Now, with the "Fujifilm Green Policy", we are expanding the idea of "Responsible Care" even more by establishing "Sustainable Development", which is the crucial issue for the entire earth and all of its people, as our key concept and clearly presenting our position from a wider perspective that will serve to promote and coordinate our efforts throughout the entire Fujifilm Group.

Basic Policy

"Sustainable development" is the most significant challenge facing businesses and society as a whole in the 21st century. The worldwide Fujifilm Group companies aim to lead the business world by taking firm and proactive measures to address all necessary environmental, economic, and social issues. By providing products, services, and corporate activities that embody high environmental quality, we achieve customer satisfaction and contribute to sustainable development worldwide.

Action Guidelines

A. Promote reduction of environmental burdens and ensure safety by:
   a) Implementation throughout corporate activities and operations;
   b) Implementation throughout life cycle of products; and,
   c) Consideration of economic and social effects.

B. Reduce risk by elevating the level of chemical substance control.
C.
D. Comply with laws and regulations as well as respective voluntary regulations, standards and requirements agreed upon by each Group company.

E. Strengthen partnerships with partner companies and cooperation with regulatory agencies and industrial organizations, and actively participate in local community efforts.

F. Maintain good communication with outside parties such as local communities and regulatory agencies by actively reporting on the status and results of our efforts to resolve environmental issues.

G. Strengthen the foundations of our efforts to resolve environmental issues by striving to elevate awareness through extensive employee education

Attachment 2: The Fujifilm Group's Green Procurement Standards

Creation Date: Oct. 9, 2002 (Ver. 1)
Revision Date: Sept.12, 2003 (Ver. 2)

1. Introduction

In accordance with our Green Policy, the Fujifilm Group has, starting in 2002, been strengthening design that takes the environment into consideration (Design for Environment: DfE) in order to provide our customers with even greener products. The implementation of Design for Environment requires green parts, materials and packaging as well as a green approach to procurement and use**.**

2. The Purpose of Green Procurement

In order to implement and provide the Design for Environment that is necessary for even greener products, the Fujifilm Group will procure, from green suppliers, green parts, materials, packaging and products for the products that it manufactures, markets and provides.

3. The Scope of Application

These standards apply to the parts, materials, packaging and products used in products manufactured, marketed and provided by the Fujifilm Group, as well as the suppliers of these parts, materials, packaging and products.

4. Green Procurement Standards

The standards that serve as the index for the degree of greenness in the context of the purpose noted above are referred to as the "Green Procurement Standards." The degree of greenness standards for suppliers are referred to as the "Green Standards for Suppliers", and the greenness standards for procured parts, materials, packaging and products are referred to as the "Green Standards for Procured Goods".

- Green Standards for Suppliers

  Suppliers must meet one or the other of the following two criteria.

  1) ISO 14001 certification has been acquired or is scheduled to be acquired (scheduled within 3 years, as determined by a certification organization).
  2) The requirements under Heading A, which is in response to legal regulations, have been met, and at least 70% of the applicable requirements under Heading B, which concerns environmental management, have been met.

     * Heading A: (1) Compliance with legal regulations concerning the environment
       (2) No use of substances whose handling is prohibited by law[a1]
     * Heading B: (1) Business philosophies and policies for environmental preservation
       (2) Environmental preservation goals
       (3) Implementation plans
       (4) Organizations for the promotion of environmental preservation
       (5) Reviews of the state of compliance with legal regulations
       (6) Air pollution prevention
       (7) Water pollution prevention
       (8) Systems for managing chemical substances
       (9) Reduction of waste material
       (10) Energy conservation
       (11) Responses for emergencies
       (12) Education and training

- Green Standards for Procured Goods

  In accordance with the management classifications of the chemical substances contained in procured parts, materials, packaging and products, Headings 1) and 2) must be satisfied.

  1) No chemical substances that fall under the prohibited chemical substance classifications can be contained.
  2) In the case of chemical substances whose content is to be reduced and chemical substances whose content is to be ascertained and managed, content must be appropriately ascertained and managed.

Management Classifications for Chemical Substances Contained in Procured Parts, Materials, Packaging and Products (For details, please refer to Attached Table 1)

* Prohibited chemical substances:
  These are chemical substances whose handling in contexts such as production, use, importation, etc. is specifically prohibited by law. These substances must not be contained in procured goods.
* Chemical substances whose content is to be reduced:
  These are chemical substances whose usage amounts will, in accordance with trends in legal regulations as well as the Fujifilm Group Policy (See Attached Sheet.), be reduced.
* * Chemical substances whose content is to be ascertained and managed:
  These are chemical substances whose content must be ascertained as basic information in the context of the basic regulations for Design for Environment.

5. Implementation Items
   (1) Degree of Greenness Surveys for Suppliers (Surveys of Environmental Management at Each Business)
   Surveys are to be carried out in order to confirm whether or not suppliers meet the "Green Standards for Suppliers". When the standards are not met, the supplier in question is to be urged to meet the standards.
   (2) Degree of Greenness Surveys for Procured Parts, Materials, Packaging and Products (Procured Goods Surveys)
   Surveys or actual measurements are to be carried out in order to confirm whether or not the procured parts, materials, packaging and products meet the "Green Standards for Procured Goods". The surveys (See Attached Table 3) are to take as their target chemical substances the 28 chemical substance groups (See Attached Table 2) as well as constituent materials agreed upon by the council known as the Japan Green Procurement Survey Standardization Initiative (JGPSSI)(*).
   (3) Reinstitution of Purchase Specifications (Green Specs)
   Purchase specifications are to be revised and reinstituted by adding the headings pertaining to the "Green Standards for Procured Goods" to the existing specifications However, in the case of general purpose goods, this revision and reinstitution can be omitted by simply adopting the "Green Standards for Procured Goods" as the basis.
   (4) Utilization of Survey Information for the Creation of Green Products
   Survey information is used for the design and production of even greener products. In addition, the information is used to provide, in response to requests from customers, information pertaining to the chemical substances and constituent materials contained in products.

(*)JGPSSI (Japan Green Procurement Survey Standardization Initiative):
With regard to the green procurement surveys for procured goods, in order to work toward the improvement of survey precision, the shortening of the time required to conduct surveys and the reduction of burdens associated with the surveys, this council, consisting of the 18 businesses (including our company) listed below, settled on 28 chemical substance groups (Appendix 2), including PCB, cadmium, mercury, lead, etc., as survey target chemical substances and carried out the standardization of the survey format.
As of August, 2003 there were 47 businesses participating in this council.

Apple Computer Inc., Adtex Co.,Ltd, Alps Electric Co., Ltd., Oki Electric Industriy Co.,Ltd., Olympus Optical Co., Ltd., Canon Ind., Konica Minolta Holdings,Inc., Sanyo Electric Co., Ltd, Shimadzu Corporation, Sharp Corporation, Nippon Steel Corporation, Sumitomo Bakelite Co., Ltd., Seiko Epson Corp., Sony Corporation , Taiyo Ink Mfg. Co., Ltd., Taiyo Yuden Co., Ltd., Daikin Industries, Ltd.,Teijin Limited, TDK Corporation, Techno Polymer Company, Toshiba Corporation. , Toshiba TEC Corporation, Nikon Corporation, IBM Japan Ltd., NEC Corporation, Nippon Mektron,Ltd. , Pioneer Electronic Corporation, Ltd., PS Japan Corporation, Hitachi, Ltd., Hitachi Cable, Ltd., Hirose Electric Co., Ltd., Fujikura Ltd. , Fuji Photo Film Co., Ltd., Fuji Xerox Co., Fujitsu Ltd., Fuji Electric Co., Ltd., Brother Industries, Ltd., Makita Corporation, Matsushita Electric Works, Ltd., Matsushita Electric Industrial Co., Ltd., Mitsubishi Electric Corporation, Murata Manufacturing Co., Ltd., Yamaha Corporation, Riken Technos Corporation., Ricoh Co., Ltd , Roland DG Corporation, Japan Printed Circuit Association.

Table 1 Management Classifications for Chemical Substances Contained in Procured Parts, Materials, Packaging and Products

In accordance with Fujifilm Group chemical substance management policies as well as the agreements of the Japan Green Procurement Survey Standardization Initiative (JGPSSI), the management classifications for chemical substances contained in procured parts, materials, packaging and products have been established as follows.

[Prohibited Chemical Substances]

No.	Chemical Substance in Question	JGPSSI Classification No.
1	Class 1 Specified Chemical Substances According to the Law Concerning the Examination and Regulation of Manufacture etc. of Chemical Substances: PCB, naphthalene polychloride (chloride value of 3 or greater), hexachlorobenzene, aldrin, DDT, chlordanes, bis(tributyltin) oxide, N,N`-ditolyl-p-phenylenediamine (or N-tolyl-N`-xylyl-p-phenylenediamine or N,N`-dixylyl-p-phenylenediamine), 2,4,6-tri-tert-butylphenol, etc.	A17(TBTO), B05(PCB), B06 (naphthalene polychloride)
2	Substances Whose Production Is Prohibited by the Occupational Safety and Health Law (Safety and Health Law): Benzidine, 4-aminodiphenyl, beta-naphthylamine, bis (chloromethyl) ether, amosite, crocidolite, etc.	C01 (asbestos)
3	Specified Poisonous Substances According to the Poisonous and Deleterious Substances Control Law: octamethyl-pyrophosphoramide, tetraalkyl lead, dimethylethylmerccaptoethylthiophosphate, monofluoroacetate and its salts, monofluoroacetamide, etc.	-
4	Specified Substances According to the Law Concerning the Prohibition of Chemical Weapons and the Regulation of Specified Substances (Chemical Weapon Prohibition Law): 21 poisonous substance groups (sarin, soman, etc.) and 5 substance groups that are their raw materials (alkyl phosphonyldifluoride, chlorosarin, etc.)	-
5	Substances in Group I of Attached Document C in the "Specified Substances" of the Ozone Layer Protection Law * , As Well As: CFC; halons; carbon tetrachloride; 1,1,1-trichloroethane, HBFC and methyl bromide	-

[Chemical Substances Whose Content Is to Be Reduced]

No.	Chemical Substance in Question	JGPSSI Classification No.
1	Cadmium and its compounds	A05
2	Hexavalent chrome compounds	A07
3	Lead and its compounds	A09
4	Mercury and its compounds	A10
5	PBB (polybromated biphenyl)	B02
6	PBDE(polybrominated diphenyl ether)	B03
7	Vinyl polychloride (except for vinyl polychloride that can be reliably recycled)	B07

[Chemical Substances Whose Content Is to Be Ascertained and Managed]

No.	Chemical Substance in Question	JGPSSI Classification No.	No.	Chemical Substance in Question	JGPSSI ClassificationNo.
1	Antimony and its compounds	A01	10	Short Chain Chlorinated Paraffins *	B09
2	Arsenic and its compounds	A02	11	Azo Colorants *	C02
3	Beryllium and its compounds	A03	12	Substances in Group I of Attached Document C in the "Specified Substances" of the Ozone Layer Protection Law; HCFC *	C04
4	Bismuth and its compounds	A04	13	Phthalic acid esters *	C05
5	Nickel compounds (excluding metal nickel))	A11	14	Radioactive substances	C06
6	Selenium and its compounds	A13	15	Copper and Copper Compounds	D01
7	Magnesium	A16	16	Gold and Gold Compounds	D02
8	Tributyl Tins & Triphenyl Tins	A18	17	Palladium and Palladium Compounds	D03
9	Brominated Flame Retardants *	B08	18	Silver and Silver Compounds	D04

Appendix- 2 List A

Level A

No	Classification	Substance
A05	Metal Compounds***1**	Cadmium and Cadmium Compounds
A07		Hexavalent Chromium Compounds
A09		Lead and Lead Compounds
A10		Mercury and Mercury Compounds
A17		Tributyl Tin Oxide (TBTO)
A18		Tributyl Tins & Triphenyl Tins
B02	Halogenated compaounds	Polybrominated Biphenyls (PBBs)
B03		Polybrominated Diphenyl ethers (PBDEs)
B05		Polychlorinated Biphenyls (PCBs)
B06		Polychloronapthalenes (Cl=>3)
B09		Short Chain Chlorinated Paraffins ***2**
C01	Others	Asbestos
C02		Azo Colorants ***3**
C04		Ozone Depleting Substances ***4**
C06		Radioactive Substances

* 1 Metal Compounds includes alloys.

* 2 Short Chain Chlorinated Paraffins with C 10-13

* 3 Limited to those Azo dyes that form specified amines (Note) and are used in applications in which the Azo dyes are likely to come into direct and prolonged contact with the skin (Note: the amines specified in 76/769/EEC.)

*4 Chemicals listed on The Montreal Protocol on Substances that Deplete the Ozone Layer, including Class II substances, even though their use is not prohibited.

Level B

No	Classification	Substance
A01	Metal Compounds ***1**	Antimony and Antimony Compounds
A02		Arsenic and Arsenic Compounds
A03		Beryllium and Beryllium Compounds
A04		Bismuth and Bismuth Compounds
A11		Nickel and Nickel Compounds ***2**
A13		Selenium and Selenium Compounds
A16		Magnesium
B07	Halogenated compaounds	Vinyl Chloride Polymer (PVC)
B08		Brominated Flame Retardants ***3**
C05	Others	Phthalates ***4**
D01	Precious Metal Compounds	Copper and Copper Compounds
D02		Gold and Gold Compounds
D03		Palladium and Palladium Compounds
D04		Silver and Silver Compounds

* 1 Metal Compounds includes alloys.

* 2 In the case of Nickel, alloys (e.g.,stainless steel) are not included.

* 3 Brominated Flame Retardants, with the exceptions of PBB and PBDE

* 4 Limited to the following five Phthalates, which are undergoing EU risk assessment: Dibutylphthalate, Di(2-ethylhexyl)phthalate, Diisononyl phthalate, 1,2-Benzenedicarboxylic acid diisodecyl ester, Butyl benzyl phthalate

Appendix-7 List B

No	Classification
1	Steel (exept stainless steel)
2	Stainless steel
3	Copper
4	Aluminium
5	Magnesium
6	Nickel
7	Other nonferrous metals
8	Gold
9	Silver
10	Palladium
11	Platinum
12	Thermoplastic resin:ABS
13	Thermoplastic resin:PC
14	Thermoplastic resin:PC+ABS
15	Thermoplastic resin:PC+PS
16	Thermoplastic resin:PE
17	Thermoplastic resin:PET
18	Thermoplastic resin:PP
19	Thermoplastic resin:PPE
20	Thermoplastic resin:PS
21	Other Thermoplastic resin
22	Thermosetting resin
23	Rubber
24	Wood
25	Glass
26	Paper
27	Fiber
28	Gas (intentionally added to the product)
29	Liquid (intentionally added to the product)
30	Other materials that can be declared
31	Other remaining materials