

January 9, 2003

Japan Green Procurement Survey Standardization Initiative

**Guidelines for Standardization of Material Declaration**

These guidelines indicate common requirements for companies that implement green procurement surveys. Issuance of the guidelines aims to reduce the burden on suppliers (hereinafter referred to as “surveyed companies”) involved in green procurement surveys and to improve the accuracy of the answers they provide.

**1. Basic Points**

- 1) The Guidelines for Standardization of Material Declaration apply to the “Green Procurement Survey” related to chemical substances mainly contained in electric and electronic appliances and their parts and materials.
- 2) These guidelines deal with the “Chemical Substance Survey,” the “Chemical Substance Survey,” and the “Survey Response Format.”
- 3) These guidelines were developed by the Japan Green Procurement Survey Standardization Initiative (hereinafter referred to as “JGPSSI”), and the rights belong to JGPSSI.
- 4) The guidelines can also be freely used by non-participating companies.
- 5) The guidelines shall be published in both English and Japanese. When guidelines in other languages are needed, surveying companies who need them will create them.

**2. Trial Operation of the Guidelines**

- 1) Trial operation may start from April 1, 2002.  
Surveying companies will individually decide when specifically to implement and launch the trial operation, taking into consideration the amount of preparation needed. When starting the operation, surveying companies should thoroughly provide the needed information to their related companies in advance, so that the operation can get underway smoothly.
- 2) JGPSSI will decide when to shift to formal operation, taking trends of international standardization into consideration, and after revisions of the

guidelines based on opinions from surveyed companies are completed.

### 3. Basic Information Survey

- 1) The purpose of conducting the “Basic Information Survey” is to identify the parts and materials to be surveyed. This survey can be carried out based on Appendix 1.
- 2) Each surveying company will decide whether to ask surveyed companies for their impressions or signatures.
- 3) As a rule, the “Survey of Chemical Substances Used in Manufacturing Processes” is for surveying whether ozone depleting substances (listed in Appendix 6) are used or not. This survey also applies to products surveyed companies procured, and to the end of their supply chains.
- 4) It is up to each surveying company to add chemical substances to Appendix 6. However, when adding, surveying companies should clarify the purposes of doing so for surveyed companies. Surveying companies can, at their option, submit the new lists to JGPSSI.

### 4. Chemical Substance Survey

- 1) The survey items on the “Chemical Substance Survey” are: (1) whether the listed substances are contained; (2) their content; (3) in which parts they are used; and (4) the purposes of using them. These four items are the ones used in common by all companies. It is up to each surveying company to add other requirements.
- 2) The Chemical Substance Survey shall be carried out based on the substance groups listed in List A (Appendix 2), as a rule.
- 3) It is up to each surveying company to add chemical substances to List A. However, when adding, surveying companies should clarify the purposes of doing so for surveyed companies. Surveying companies can, at their option, submit the new lists to JGPSSI.
- 4) Management ranking can be set by the respective surveying companies if necessary.
- 5) The list of substances on the substance levels for List A will be called a “Common List of Breakdown Substances,” and it will be shared among surveying companies. (Appendix 3).
- 6) The survey shall be carried out on a substance group level based on List A, as a rule. However, it is possible to oblige surveyed companies to provide

answers down to the level of breakdown substances based on Appendix 4, if surveying companies decide to do so.

- 7) Surveying companies should ask surveyed companies to answer about “content,” regardless of the content or content ratio, as long as the listed substances have been intentionally added. Known content or content ratio data, such as impurities, should also be provided.
- 8) Revisions of List A and the Common List of Breakdown Substances will be done by JGPSSI.

#### 5. Survey Response Format

- 1) Answers from surveyed companies shall be provided, as a rule, based on the Survey Response Format (a sheet with the necessary questions to be answered, Appendix 5).
- 2) JGPSSI will develop a response entry program to input data to the response format, and the program will be available as freeware that anyone can use.
- 3) It is up to each surveying company to decide whether to use the response entry program that JGPSSI makes, but reduction of labor for surveyed companies should be considered (data entry should be made as easy as possible).
- 4) Surveying companies will individually import the information obtained through the response format to a company database.

#### <A Survey for Reference>

It is thought that the necessity of conducting the “Material (which composes parts and products) Composition Information Survey” will increase from now on. However, at this stage, not all participating companies recognized the necessity of conducting the Material Composition Information Survey as a common requirement. Since there are some companies already planning to implement individual surveys, JGPSSI decided to treat this survey as “A Survey for Reference” that summarizes the opinions at JGPSSI, and append it to the guidelines. JGPSSI considers this Material Composition Information Survey to be one of the big issues that the future holds.

#### Material Composition Information Survey

- 1) The Material Composition Information Survey is a survey based on List B (Appendix 7), as a rule.
- 2) It is up to each surveying company to add the classification items for material composition information to List B. However, when adding, surveying companies should clarify the purposes of doing so for surveyed companies. Surveying companies can, at their option, submit the new lists to JGPSSI.
- 3) The survey items of the “Material Composition Information Survey” are: (1) in which parts listed substances are used; and (2) their weight. These two items are the ones used in common by all companies. It is up to each surveying company to add other requirements.
- 4) Parts mass should be provided to a degree of accuracy of  $\pm 10\%$ .

**Green Procurement Basic Information Survey  
(Chemical Substances) Ver1.1**

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Item Setting

|                    |  |               |      |
|--------------------|--|---------------|------|
| Reference Number   |  | FormatVersion | 1.00 |
| Date of Data Entry |  | YYYY/MM/DD    |      |

|                   |  |
|-------------------|--|
| Surveying Company |  |
| Division Name     |  |
| Contact Name      |  |
| Telephone Number  |  |
| Fax Number        |  |
| Email Address     |  |
| Column 1          |  |
| Column 2          |  |
| Column 3          |  |

|                  |  |
|------------------|--|
| Surveyed Company |  |
| Company Name     |  |
| Address          |  |
| Division Name    |  |
| Contact Name     |  |
| Telephone Number |  |
| Fax Number       |  |
| Email Address    |  |
| Column 4         |  |
| Column 5         |  |
| Column 6         |  |

| No  | Parts Number<br>(used at surveying company) | Parts Name | Surveying Company<br>Column 1 | Surveying Company<br>Column 2 | Surveying Company<br>Column 3 | Manufacturer's Name | Parts Number<br>(used at surveyed company) | Surveyed Company<br>Column 1 | Surveyed Company<br>Column 2 | Surveyed Company<br>Column 3 | Unit | Parts Mass | Use of Ozone-depleting<br>Substances<br>0:No 1:Yes | List A<br>Substances<br>Contained<br>0:No 1:Yes | Input List A<br>substances | Copy | Clear |
|-----|---|------------|-------------------------------|-------------------------------|-------------------------------|---------------------|--|------------------------------|------------------------------|------------------------------|------|------------|--|---|----------------------------|------|-------|
|     |   |            |                               |                               |                               |                     |  |                              |                              |                              |      | g          |  |   | input                      | copy | clear |
| 1   |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 2   |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 3   |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 4   |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 5   |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 6   |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 7   |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 8   |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 9   |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 10  |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 11  |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 12  |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 13  |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 14  |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 15  |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 16  |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 17  |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 18  |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 19  |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 98  |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 99  |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |
| 100 |   |            |                               |                               |                               |                     |  |                              |                              |                              |      |            |  |   | input                      | copy | clear |

## Appendix- 2 List A

2003.1.9

| Classification                | No | Substance   |
|-------------------------------|----|---|
| Metal Compounds               | 1  | Antimony and its compounds  |
|                               | 2  | Arsenic and its compounds   |
|                               | 3  | Beryllium and its compounds                                       |
|                               | 4  | Bismuth and its compounds   |
|                               | 5  | Cadmium and its compounds   |
|                               | 6  | Chromium compounds*1  |
|                               | 7  | Chromium VI compounds   |
|                               | 8  | Cobalt and its compounds  |
|                               | 9  | Lead and its compounds  |
|                               | 10 | Mercury and its compounds   |
|                               | 11 | Nickel compounds*2  |
|                               | 12 | Organo tin compounds  |
|                               | 13 | Selenium and its compounds  |
|                               | 14 | Tellurium and its compounds                                       |
|                               | 15 | Thallium and its compounds  |
| Halogenated Organic Compounds | 16 | Chlorinated paraffins   |
|                               | 17 | Polybrominated biphenyls  |
|                               | 18 | Polybrominated diphenyl ethers                                    |
|                               | 19 | Halogenated Resin Additives*3                                     |
|                               | 20 | PCBs  |
|                               | 21 | Polychlorinated Naphthalenes<br>(with more than 3 chlorine atoms) |
|                               | 22 | Poly vinyl chloride (PVC)   |
| Others                        | 23 | Asbestos  |
|                               | 24 | Azo compounds   |
|                               | 25 | Cyanides  |
|                               | 26 | Ozone depleting substances  |
|                               | 27 | Phthalate esters  |
|                               | 28 | Radioactive substances  |

\*1Chromium compounds other than chromium VI compounds and metal chromium

\*2Nickel compounds other than metal nickel

\*3:Halogenated resin additives except for chlorinated paraffins,PBBs and PBDEs

\*4:Azo dyes forming certain amines (refer Appendix 3-1)

(Certain amines are quoted from BedarfsgegV = Act on food commodities = Bedarfsgegenstände-Verordnung)

\*5:Substances listed in the Montreal Protocol

\* CAS No, chemical formula and metals' conversion factors of these substances might have mistakes, thus the content is not assured

| Classification  | No.        | Substance Group                           | No.                           | Substance                           | Chemical Formula                                  | Metal conversion factor  | CAS №  |             |
|-----------------|------------|---|-------------------------------|-------------------------------------|---|--|--|-------------|
| Metal compounds | A01        | Antimony and its compounds                | A01001                        | Antimony                            | Sb  | 1.000  | 7440-36-0  |             |
|                 |            |   | A01002                        | Antimony trichloride                | SbCl <sub>3</sub>                                 | 0.534  | 10025-91-9   |             |
|                 |            |   | A01003                        | Antimony trioxide                   | Sb <sub>2</sub> O <sub>3</sub>                    | 0.835  | 1309-64-4  |             |
|                 |            |   | A01004                        | Antimony pentoxide                  | Sb <sub>2</sub> O <sub>5</sub>                    | 0.753  | 1314-60-9  |             |
|                 |            |   | A01005                        | Sodium antimonate                   | Na <sub>3</sub> O <sub>3</sub> Sb                 | 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 <sub>2</sub> O <sub>5</sub>                    | 0.652  | 1303-28-2  |             |
|                 |            |   | A02004                        | Arsenic trioxide                    | As <sub>2</sub> O <sub>3</sub>                    | 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  |             |
|                 |            |   | A04997 - 9                    | Other bismuth compounds             | -   | -  | -  |             |
|                 | 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 <sub>2</sub>                                 | 0.613  | 10108-64-2   |             |
|                 |            |   | A05005                        | Cadmium sulfate                     | CdSO <sub>4</sub>                                 | 0.539  | 10124-36-4   |             |
|                 |            |   | A05997 - 9                    | Other cadmium compounds             | -   | -  | -  | -           |
|                 | A06        | Chromium compounds*1                      | A06001                        | Chromium(III) oxide                 | Cr <sub>2</sub> O <sub>3</sub>                    | 0.684  | 1308-38-9  |             |
|                 |            |   | A06002                        | Neochromium                         | Cr(OH)SO <sub>4</sub>                             | 0.315  | 64093-79-4   |             |
|                 |            |   | A06997 - 9                    | Other chromium compounds            | -   | -  | -  |             |
|                 | A07        | Chromium VI and its compounds             | A07001                        | Sodium dichromate                   | Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>    | 0.397  | 10588-01-9   |             |
|                 |            |   | A07002                        | Chromium(VI) oxide                  | CrO <sub>3</sub>                                  | 0.520  | 1333-82-0  |             |
|                 |            |   | A07003                        | Calcium chromate                    | CaCrO <sub>4</sub>                                | 0.333  | 13765-19-0   |             |
|                 |            |   | A07004                        | Lead(II) chromate                   | PbCrO <sub>4</sub>                                | 0.161  | 7758-97-6  |             |
|                 |            |   | A07005                        | Potassium dichromate                | K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>     | 0.353  | 7778-50-9  |             |
|                 |            |   | A07006                        | Potassium chromate                  | K <sub>2</sub> CrO <sub>4</sub>                   | 0.268  | 7789-00-6  |             |
|                 |            |   | A07997 - 9                    | Other hexavalent chromium compounds | -   | -  | -  |             |
|                 | A08        | Cobalt and its compounds                  | A08001                        | Cobalt                              | Co  | 1.000  | 7440-48-4  |             |
|                 |            |   | A08002                        | Cobalt(II) oxide                    | CoO   | 0.786  | 1307-96-6  |             |
|                 |            |   | A08003                        | Cobalt oxide (II,III)               | Co <sub>3</sub> O <sub>4</sub>                    | 0.734  | 1308-06-1  |             |
|                 |            |   | A08997 - 9                    | Other cobalt compounds              | -   | -  | -  |             |
|                 |            |   | A09                           | Lead and its compounds              | A09001  | Lead   | Pb   | 1.000       |
|                 | A09002     | Lead(II) carbonate                        |                               |                                     | PbCO <sub>3</sub>                                 | 0.775  | 598-63-0   |             |
|                 | A09003     | Lead(IV) oxide                            |                               |                                     | PbO <sub>2</sub>                                  | 0.866  | 1309-60-0  |             |
|                 | A09004     | Lead(II,IV) oxide                         |                               |                                     | Pb <sub>3</sub> O <sub>4</sub>                    | 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 <sub>3</sub> ·Pb(OH) <sub>2</sub>           | 0.801  | 1319-46-6  |             |
|                 | A09008     | Lead hydroxidcarbonate                    |                               |                                     | 2PbCO <sub>3</sub> ·Pb(OH) <sub>2</sub>           | 0.801  | 1344-36-1  |             |
|                 | A09009     | Lead(II) sulfate                          |                               |                                     | PbSO <sub>4</sub>                                 | 0.683  | 7446-14-2  |             |
|                 | A09010     | Lead(II) phosphate                        |                               |                                     | Pb <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>   | 0.766  | 7446-27-7  |             |
|                 | A09011     | Lead(II) chromate                         |                               |                                     | PbCrO <sub>4</sub>                                | 0.641  | 7758-97-6  |             |
|                 | A09012     | Lead(II) titanate                         |                               |                                     | PbTiO <sub>3</sub>                                | 0.686  | 12060-00-3   |             |
|                 | A09013     | Lead sulfate, sulphuric acid, lead salt   |                               |                                     | Pb <sub>x</sub> SO <sub>4</sub>                   | 1.000  | 15739-80-7   |             |
|                 | A09997 - 9 | Other lead compounds                      |                               |                                     | -   | -  | -  |             |
|                 | A10        | Mercury and its compounds                 |                               |                                     | A10001  | Mercury  | Hg   | 1.000       |
|                 |            |   | A10002                        | Mercury(II) chloride                | HgCl <sub>2</sub>                                 | 0.739  | 7487-94-7  |             |
|                 |            |   | A10003                        | Mercury(II) oxide                   | HgO   | 0.926  | 21908-53-2   |             |
|                 |            |   | A10997 - 9                    | Other mercury compounds             | -   | -  | -  |             |
|                 |            |   | A11                           | Nickel compounds*2                  | A11001  | Nickel(II) oxide   | NiO  | 0.786       |
|                 | A11002     | Nickel(II) carbonate                      |                               |                                     | NiCO <sub>3</sub>                                 | 0.494  | 3333-67-3  |             |
|                 | A11003     | Nickel(II) Sulfate                        |                               |                                     | NiSO <sub>4</sub>                                 | 0.379  | 7786-81-4  |             |
|                 | A11997 - 9 | Other nickel compounds                    |                               |                                     | -   | -  | -  |             |
|                 | A12        | Organo tin compounds                      |                               |                                     | A12001  | Bis(tri-n-butyltin) oxide                                      | C <sub>24</sub> H <sub>54</sub> O <sub>2</sub> Sn <sub>2</sub> | 0.398       |
|                 |            |   | A12002                        | Dibutyltin maleate                  | C <sub>12</sub> H <sub>20</sub> O <sub>4</sub> Sn | 0.342  | 78-04-6  |             |
|                 |            |   | A12003                        | di(n-octyl)tin maleate              | C <sub>20</sub> H <sub>36</sub> O <sub>4</sub> Sn | 0.258  | 16091-18-2   |             |
|                 |            |   | A12997 - 9                    | Other organic tin compounds         | -   | -  | -  |             |
|                 |            |   | A13                           | Selenium and its compounds          | A13001  | Selenium   | Se   | 1.000       |
|                 | A13002     | Selenous acid                             |                               |                                     | H <sub>2</sub> SeO <sub>3</sub>                   | 0.612  | 7783-00-8  |             |
|                 | A13997 - 9 | Other selenium compounds                  |                               |                                     | -   | -  | -  |             |
|                 | A14        | Tellurium and its compounds               | A14001                        | Tellurium                           | Te  | 1.000  | 13494-80-9   |             |
|                 |            |   | A14997 - 9                    | Other tellurium compounds           | -   | -  | -  |             |
|                 | A15        | Thallium and its compounds                | A15001                        | Thallium                            | Tl  | 1.000  | 7440-28-0  |             |
|                 |            |   | A15002                        | Thallium(I) oxide                   | Tl <sub>2</sub> O                                 | 0.962  | 1314-12-1  |             |
|                 |            |   | A15003                        | Thallium(I) sulfate                 | Tl <sub>2</sub> SO <sub>4</sub>                   | 0.810  | 7446-18-6  |             |
|                 |            |   | A15004                        | thallium nitrate                    | TlNO <sub>3</sub>                                 | 0.767  | 10102-45-1   |             |
|                 |            |   | A15997 - 9                    | Other thallium compounds            | -   | -  | -  |             |
|                 |            |   | Halogenated organic compounds | B01                                 | Chlorinated paraffins                             | B01001   | Paraffin waxes and Hydrocarbon waxes, chloro                   | Unspecified |
|                 | B01002     | Chlorinated Paraffins (C12, 60% Chlorine) |                               |                                     |   | Unspecified  | -  | 108171-26-2 |
|                 | B01003     | Chlorinated Paraffins (C23, 43% Chlorine) |                               |                                     |   | Unspecified  | -  | 108171-27-3 |
|                 | B01004     | Alkanes, chloro                           |                               |                                     |   | Unspecified  | -  | 61788-76-9  |
|                 | B01997 - 9 | Other chlorinated paraffins               |                               |                                     |   | -  | -  | -           |
|                 | B02        | PBBs                                      |                               | B02001                              | polybrominated biphenyls                          | C <sub>12</sub> H <sub>x</sub> Br <sub>(10-x)</sub>            | -  | -           |
|                 | B03        | PBDEs                                     |                               | B03001                              | polybrominated diphenyl ethers                    | C <sub>12</sub> H <sub>x</sub> Br <sub>(10-x)</sub> O          | -  | -           |
|                 | B04        | Halogenated Resin Additives*3             |                               | B04001                              | 1,1,2,2-Tetrabromoethane                          | C <sub>2</sub> H <sub>2</sub> Br <sub>4</sub>                  | -  | 79-27-6     |
|                 |            |   |                               | B04002                              | Tetrabromobisphenol A                             | C <sub>15</sub> H <sub>12</sub> Br <sub>4</sub> O <sub>2</sub> | -  | 79-94-7     |
|                 |            |   |                               | B04003                              | Hexabromobenzene                                  | C <sub>6</sub> Br <sub>6</sub>                                 | -  | 87-82-1     |
|                 |            |   |                               | B04004                              | Tris(2-chloroethyl) phosphate                     | C <sub>6</sub> H <sub>12</sub> Cl <sub>3</sub> PO <sub>4</sub> | -  | 115-96-8    |

| Classification | No.   | Substance Group  | No.                   | Substance  | Chemical Formula      | Metal conversion factor | CAS №      |   |          |
|----------------|---|--|-----------------------|--|-----------------------|-------------------------|------------|---|----------|
|                |   |  | B04005                | 1,2,5,6,9,10-hexabromocyclodecane                                    | $C_{12}H_{18}Br_6$    | -                       | 3194-55-6  |   |          |
|                |   |  | B04006                | Polytetrafluoroethylene  | $(C_2F_4)_n$          | -                       | 9002-84-0  |   |          |
|                |   |  | B04007                | 1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromopropoxy)benzene]  | $C_{21}H_{20}O_2Br_8$ | -                       | 21850-44-2 |   |          |
|                |   |  | B04997 - 9            | Other halogenated resin additives                                    | -                     | -                       | -          |   |          |
|                | B05   | PCB/PCT  | B05001                | Polychlorinated biphenyls  | Unspecified           | -                       | 1336-36-3  |   |          |
|                |   |  | B05002                | Polychlorinated terphenyls   | Unspecified           | -                       | 61788-33-8 |   |          |
|                |   |  | B05997 - 9            | Other PCBs/PCTs  | -                     | -                       | -          |   |          |
|                | B06   | Polychlorinated Naphthalenes (with more than 3 chlorine atoms) | B06001                | Polychlorinated Naphthalenes (with more than 3 chlorine atoms)       | Unspecified           | -                       | 70776-03-3 |   |          |
|                |   |  | B06007 - 9            | Other polychlorinated Naphthalenes (with more than 3 chlorine atoms) | -                     | -                       | -          |   |          |
|                | B07   | Poly vinyl chloride(PVC)                                       | B07001                | Poly vinyl chloride(PVC)   | $(CH_2CHCl)_n$        | -                       | 9002-86-2  |   |          |
| Others         | C01   |  | 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 colorant*4   | C02001                | -                       | -          | - | -        |
|                |   |  | C03                   | Cyanides   | C03001                | Acrylonitrile           | $C_3H_3N$  | - | 107-13-1 |
|                |   |  |                       |  | C03002                | Sodium cyanide          | NaCN       | - | 143-33-9 |
| C03997 - 9     | Other cyanides                                  | -  |                       |  | -                     | -                       |            |   |          |
| C04            | Ozone depleting substances*5 (Isomers included) | C04001   | CFC-11                | $CFCl_3$   | -                     | -                       |            |   |          |
|                |   | C04002   | CFC-12                | $CF_2Cl_2$   | -                     | -                       |            |   |          |
|                |   | C04003   | CFC-113               | $C_2F_3Cl_3$   | -                     | -                       |            |   |          |
|                |   | C04004   | CFC-114               | $C_2F_4Cl_2$   | -                     | -                       |            |   |          |
|                |   | C04005   | CFC-115               | $C_2F_5Cl$   | -                     | -                       |            |   |          |
|                |   | C04006   | Halon 1211            | $CF_2BrCl$   | -                     | -                       |            |   |          |
|                |   | C04007   | Halon 1301            | $CF_3Br$   | -                     | -                       |            |   |          |
|                |   | C04008   | Halon 2402            | $C_2F_4Br_2$   | -                     | -                       |            |   |          |
|                |   | C04009   | CFC-13                | $CF_3Cl$   | -                     | -                       |            |   |          |
|                |   | C04010   | CFC-111               | $C_2FCl_5$   | -                     | -                       |            |   |          |
|                |   | C04011   | CFC-112               | $C_2F_2Cl_4$   | -                     | -                       |            |   |          |
|                |   | C04012   | CFC-211               | $C_3FCl_7$   | -                     | -                       |            |   |          |
|                |   | C04013   | CFC-212               | $C_3F_2Cl_6$   | -                     | -                       |            |   |          |
|                |   | C04014   | CFC-213               | $C_3F_3Cl_5$   | -                     | -                       |            |   |          |
|                |   | C04015   | CFC-214               | $C_3F_4Cl_4$   | -                     | -                       |            |   |          |
|                |   | C04016   | CFC-215               | $C_3F_5Cl_3$   | -                     | -                       |            |   |          |
|                |   | C04017   | CFC-216               | $C_3F_6Cl_2$   | -                     | -                       |            |   |          |
|                |   | C04018   | CFC-217               | $C_3F_7Cl$   | -                     | -                       |            |   |          |
|                |   | C04019   | Carbon tetrachloride  | $CCl_4$  | -                     | -                       |            |   |          |
|                |   | C04020   | 1,1,1-Trichloroethane | $C_2H_3Cl_3$   | -                     | -                       |            |   |          |
|                |   | C04021   | HCFC-21               | $CHFCl_2$  | -                     | -                       |            |   |          |
|                |   | C04022   | HCFC-22               | $CHF_2Cl$  | -                     | -                       |            |   |          |
|                |   | C04023   | HCFC-31               | $CH_2FCI$  | -                     | -                       |            |   |          |
|                |   | C04024   | HCFC-121              | $C_2HFCI_4$  | -                     | -                       |            |   |          |
|                |   | C04025   | HCFC-122              | $C_2HF_2Cl_3$  | -                     | -                       |            |   |          |
|                |   | C04026   | HCFC-123              | $C_2HF_3Cl_2$  | -                     | -                       |            |   |          |
|                |   | C04027   | HCFC-123*6            | $CHCl_2CF_3$   | -                     | -                       |            |   |          |
|                |   | C04028   | HCFC-124              | $C_2HF_4Cl$  | -                     | -                       |            |   |          |
|                |   | C04029   | HCFC-124*6            | $CHFClCF_3$  | -                     | -                       |            |   |          |
|                |   | C04030   | HCFC-131              | $C_2H_2FCl_3$  | -                     | -                       |            |   |          |
|                |   | C04031   | HCFC-132              | $C_2H_2F_2Cl_2$  | -                     | -                       |            |   |          |
|                |   | C04032   | HCFC-133              | $C_2H_2F_3Cl$  | -                     | -                       |            |   |          |
|                |   | C04033   | HCFC-141              | $C_2H_3FCl_2$  | -                     | -                       |            |   |          |
|                |   | C04034   | HCFC-141b*6           | $CH_3CFCI_2$   | -                     | -                       |            |   |          |
|                |   | C04035   | HCFC-142              | $C_2H_3F_2Cl$  | -                     | -                       |            |   |          |
|                |   | C04036   | HCFC-142b*6           | $CH_3CF_2Cl$   | -                     | -                       |            |   |          |
|                |   | C04037   | HCFC-151              | $C_2H_4FCI$  | -                     | -                       |            |   |          |
|                |   | C04038   | HCFC-221              | $C_3HFCI_6$  | -                     | -                       |            |   |          |
|                |   | C04039   | HCFC-222              | $C_3HF_2Cl_5$  | -                     | -                       |            |   |          |
|                |   | C04040   | HCFC-223              | $C_3HF_3Cl_4$  | -                     | -                       |            |   |          |
|                |   | C04041   | HCFC-224              | $C_3HF_4Cl_3$  | -                     | -                       |            |   |          |
|                |   | C04042   | HCFC-225              | $C_3HF_5Cl_2$  | -                     | -                       |            |   |          |
|                |   | C04043   | HCFC-225ca*6          | $CF_3CF_2CHCl_2$   | -                     | -                       |            |   |          |
|                |   | C04044   | HCFC-225cb*6          | $CF_2ClCF_2CHClF$  | -                     | -                       |            |   |          |
|                |   | C04045   | HCFC-226              | $C_3HF_6Cl$  | -                     | -                       |            |   |          |
|                |   | C04046   | HCFC-231              | $C_3H_2FCl_5$  | -                     | -                       |            |   |          |
|                |   | C04047   | HCFC-232              | $C_3H_2F_2Cl_4$  | -                     | -                       |            |   |          |
|                |   | C04048   | HCFC-233              | $C_3H_2F_3Cl_3$  | -                     | -                       |            |   |          |
|                |   | C04049   | HCFC-234              | $C_3H_2F_4Cl_2$  | -                     | -                       |            |   |          |
|                |   | C04050   | HCFC-235              | $C_3H_2F_5Cl$  | -                     | -                       |            |   |          |
| C04051         | HCFC-241  | $C_3H_3FCl_4$  | -                     | -  |                       |                         |            |   |          |
| C04052         | HCFC-242  | $C_3H_3F_2Cl_3$  | -                     | -  |                       |                         |            |   |          |
| C04053         | HCFC-243  | $C_3H_3F_3Cl_2$  | -                     | -  |                       |                         |            |   |          |
| C04054         | HCFC-244  | $C_3H_3F_4Cl$  | -                     | -  |                       |                         |            |   |          |
| C04055         | HCFC-251  | $C_3H_4FCI_3$  | -                     | -  |                       |                         |            |   |          |
| C04056         | HCFC-252  | $C_3H_4F_2Cl_2$  | -                     | -  |                       |                         |            |   |          |
| C04057         | HCFC-253  | $C_3H_4F_3Cl$  | -                     | -  |                       |                         |            |   |          |
| C04058         | HCFC-261  | $C_3H_5FCl_2$  | -                     | -  |                       |                         |            |   |          |
| C04059         | HCFC-262  | $C_3H_5F_2Cl$  | -                     | -  |                       |                         |            |   |          |
| C04060         | HCFC-271  | $C_3H_6FCI$  | -                     | -  |                       |                         |            |   |          |
| C04061         | Dibromofluoromethane                            | $CHFBr_2$  | -                     | -  |                       |                         |            |   |          |
| C04062         | Bromodifluoromethane                            | $CHF_2Br$  | -                     | -  |                       |                         |            |   |          |
| C04063         | Bromofluoromethane                              | $CH_2FBr$  | -                     | -  |                       |                         |            |   |          |



| Classification | No. | Substance Group        | No.        | Substance                    | Chemical Formula   | Metal conversion factor | CAS №    |
|----------------|-----|------------------------|------------|------------------------------|--|-------------------------|----------|
|                |     |                        | C04064     | Tetrabromofluoroethane       | C <sub>2</sub> HFBr <sub>4</sub>                             | -                       | -        |
|                |     |                        | C04065     | Tribromodifluoroethane       | C <sub>2</sub> HF <sub>2</sub> Br <sub>3</sub>               | -                       | -        |
|                |     |                        | C04066     | Dibromotrifluoroethane       | C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub>               | -                       | -        |
|                |     |                        | C04067     | Bromotetrafluoroethane       | C <sub>2</sub> HF <sub>4</sub> Br                            | -                       | -        |
|                |     |                        | C04068     | Tribromofluoroethane         | C <sub>2</sub> H <sub>3</sub> FBr <sub>3</sub>               | -                       | -        |
|                |     |                        | C04069     | Dibromodifluoroethane        | C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> Br <sub>2</sub> | -                       | -        |
|                |     |                        | C04070     | Bromotrifluoroethane         | C <sub>2</sub> H <sub>2</sub> F <sub>3</sub> Br              | -                       | -        |
|                |     |                        | C04071     | Dibromofluoroethane          | C <sub>2</sub> H <sub>3</sub> FBr <sub>2</sub>               | -                       | -        |
|                |     |                        | C04072     | Bromodifluoroethane          | C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> Br              | -                       | -        |
|                |     |                        | C04073     | Bromofluoroethane            | C <sub>2</sub> H <sub>4</sub> FBr                            | -                       | -        |
|                |     |                        | C04074     | Hexabromofluoropropane       | C <sub>3</sub> HFBr <sub>6</sub>                             | -                       | -        |
|                |     |                        | C04075     | Pentabromodifluoropropane    | C <sub>3</sub> HF <sub>2</sub> Br <sub>5</sub>               | -                       | -        |
|                |     |                        | C04076     | Tetrabromotrifluoropropane   | C <sub>3</sub> HF <sub>3</sub> Br <sub>4</sub>               | -                       | -        |
|                |     |                        | C04077     | Tribromotetrafluoropropane   | C <sub>3</sub> HF <sub>4</sub> Br <sub>3</sub>               | -                       | -        |
|                |     |                        | C04078     | Dibromopentafluoropropane    | C <sub>3</sub> HF <sub>5</sub> Br <sub>2</sub>               | -                       | -        |
|                |     |                        | C04079     | Bromohexafluoropropane       | C <sub>3</sub> HF <sub>6</sub> Br                            | -                       | -        |
|                |     |                        | C04080     | Pentabromofluoropropane      | C <sub>3</sub> H <sub>2</sub> FBr <sub>5</sub>               | -                       | -        |
|                |     |                        | C04081     | Tetrabromodifluoropropane    | C <sub>3</sub> H <sub>2</sub> F <sub>2</sub> Br <sub>4</sub> | -                       | -        |
|                |     |                        | C04082     | Tribromotrifluoropropane     | C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Br <sub>3</sub> | -                       | -        |
|                |     |                        | C04083     | Dibromotetrafluoropropane    | C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Br <sub>2</sub> | -                       | -        |
|                |     |                        | C04084     | Bromopentafluoropropane      | C <sub>3</sub> H <sub>2</sub> F <sub>5</sub> Br              | -                       | -        |
|                |     |                        | C04085     | Tetrabromofluoropropane      | C <sub>3</sub> H <sub>3</sub> FBr <sub>4</sub>               | -                       | -        |
|                |     |                        | C04086     | Tribromodifluoropropane      | C <sub>3</sub> H <sub>3</sub> F <sub>2</sub> Br <sub>3</sub> | -                       | -        |
|                |     |                        | C04087     | Dibromotrifluoropropane      | C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> Br <sub>2</sub> | -                       | -        |
|                |     |                        | C04088     | Bromotetrafluoropropane      | C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Br              | -                       | -        |
|                |     |                        | C04089     | Tribromofluoropropane        | C <sub>3</sub> H <sub>4</sub> FBr <sub>3</sub>               | -                       | -        |
|                |     |                        | C04090     | Dibromodifluoropropane       | C <sub>3</sub> H <sub>4</sub> F <sub>2</sub> Br <sub>2</sub> | -                       | -        |
|                |     |                        | C04091     | Bromotrifluoropropane        | C <sub>3</sub> H <sub>4</sub> F <sub>3</sub> Br              | -                       | -        |
|                |     |                        | C04092     | Dibromofluoropropane         | C <sub>3</sub> H <sub>5</sub> FBr <sub>2</sub>               | -                       | -        |
|                |     |                        | C04093     | Bromodifluoropropane         | C <sub>3</sub> H <sub>5</sub> F <sub>2</sub> Br              | -                       | -        |
|                |     |                        | C04094     | Bromofluoropropane           | C <sub>3</sub> H <sub>6</sub> FBr                            | -                       | -        |
|                |     |                        | C04095     | Chlorobromomethane           | CH <sub>2</sub> BrCl   | -                       | -        |
|                |     |                        | C04096     | Methyl bromide               | CH <sub>3</sub> Br   | -                       | -        |
|                | C05 | Phthalate esters       | C05001     | Dibutyl phthalate            | C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>               | -                       | 84-74-2  |
|                |     |                        | C05002     | Diethyl phthalate            | C <sub>24</sub> H <sub>38</sub> O <sub>4</sub>               | -                       | 117-81-7 |
|                |     |                        | C05997 - 9 | Other phthalate              | -  | -                       | -        |
|                | C06 | Radioactive substances | C06001     | Uranium                      | U  | -                       | -        |
|                |     |                        | C06002     | Plutonium                    | Pu   | -                       | -        |
|                |     |                        | C06003     | Radon                        | Rn   | -                       | -        |
|                |     |                        | C06004     | Americium                    | Am   | -                       | -        |
|                |     |                        | C06005     | Thorium                      | Th   | -                       | -        |
|                |     |                        | C06997 - 9 | Other radioactive substances | -  | -                       | -        |

\*1Chromium compounds other than chromium VI compounds and metal chromium

\*2 Nickel compounds other than metal nickel

\*3:Halogenated resin additives except for chlorinated paraffins,PBBs and PBDEs

\*4:Azo dyes forming certain amines(refer Appendix 3-1)

(Certain amines are quoted from BedarfsgegV = Act on food commodities = Bedarfsgegenstände-Verordnung)

\*5:Substances listed in the Montreal Protocol

\*6:These substance have the highest potentials to be used commercially.

\*7 For chemical substances which the metal conversion factors cannot be specified, it is settled as "1"

Appendix 3 Certain amines (formed through cleavage of one or more azo bonds)

2003.1.9

|   | Chemical Formula   | CAS №    |
|---|--|----------|
| <i>o</i> -anisidine                       | C <sub>7</sub> H <sub>9</sub> NO                               | 90-04-0  |
| 2-naphthylamine                           | C <sub>10</sub> H <sub>9</sub> N                               | 91-59-8  |
| 3,3'-dichlorobenzidine                    | C <sub>12</sub> H <sub>10</sub> Cl <sub>2</sub> N <sub>2</sub> | 91-94-1  |
| biphenyl-4-ylamine                        | C <sub>12</sub> H <sub>11</sub> N                              | 92-67-1  |
| Benzidine                                 | C <sub>12</sub> H <sub>12</sub> N <sub>2</sub>                 | 92-87-5  |
| <i>o</i> -toluidine                       | C <sub>7</sub> H <sub>9</sub> N                                | 95-53-4  |
| 4-chloro- <i>o</i> -toluidine             | C <sub>7</sub> H <sub>8</sub> ClN                              | 95-69-2  |
| 2,4-toluenediamine                        | C <sub>7</sub> H <sub>10</sub> N <sub>2</sub>                  | 95-80-7  |
| <i>o</i> -aminoazotoluene                 | C <sub>14</sub> H <sub>15</sub> N <sub>3</sub>                 | 97-56-3  |
| 5-nitro- <i>o</i> -toluidine              | C <sub>7</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>    | 99-55-8  |
| 3,3'-dichloro-4,4'-diaminodiphenylmethane | C <sub>13</sub> H <sub>12</sub> Cl <sub>2</sub> N <sub>2</sub> | 101-14-4 |
| 4,4'-methylenedianiline                   | C <sub>13</sub> H <sub>14</sub> N <sub>2</sub>                 | 101-77-9 |
| 4,4'-diaminodiphenylether                 | C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> O               | 101-80-4 |
| <i>p</i> -chloroaniline                   | C <sub>6</sub> H <sub>6</sub> ClN                              | 106-47-8 |
| <i>o</i> -dianisidine                     | C <sub>14</sub> H <sub>16</sub> N <sub>2</sub> O <sub>2</sub>  | 119-90-4 |
| 3,3'-dimethylbenzidine                    | C <sub>14</sub> H <sub>16</sub> N <sub>2</sub>                 | 119-93-7 |
| 2-methoxy-5-methylaniline                 | C <sub>8</sub> H <sub>11</sub> NO                              | 120-71-8 |
| 2,4,5-trimethylaniline                    | C <sub>9</sub> H <sub>13</sub> N                               | 137-17-7 |
| 4,4'-thiodianiline                        | C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> S               | 139-65-1 |
| 4-methoxy- <i>m</i> -phenylenediamine     | C <sub>7</sub> H <sub>10</sub> N <sub>2</sub> O                | 615-05-4 |
| 4,4'-methylenedi- <i>o</i> -toluidine     | C <sub>15</sub> H <sub>18</sub> N <sub>2</sub>                 | 838-88-0 |

**Chemical Substance Survey (2)**

Unit  
mg

|              |              |             |             |             |
|--------------|--------------|-------------|-------------|-------------|
| Parts Number | Parts Name   | Surveying 1 | Surveying 2 | Surveying 3 |
| Manufacturer | Parts Number | Surveyed 1  | Surveyed 2  | Surveyed 3  |

| C01.Asbestos       |                      |            |                                 |   |               |                  |                    |                 |
|--------------------|----------------------|------------|---------------------------------|---|---------------|------------------|--------------------|-----------------|
| Classification No. | Breakdown Substances | CAS No.    | Conversion Factor to Metal Mass | - | Metal Content | Chemical Formula | Application(Parts) | Purposes of Use |
| C01001             | Actinolite           | 77536-66-4 | -                               | - |               | Unspecified      |                    |                 |
| C01002             | Amosite              | 12172-73-5 | -                               | - |               | Unspecified      |                    |                 |
| C01003             | Anthophyllite        | 77536-67-5 | -                               | - |               | Unspecified      |                    |                 |
| C01004             | Chrysotile           | 12001-29-5 | -                               | - |               | Unspecified      |                    |                 |
| C01005             | Crocidolite          | 12001-28-4 | -                               | - |               | Unspecified      |                    |                 |
| C01006             | Tremolite            | 77536-68-6 | -                               | - |               | Unspecified      |                    |                 |
| C01997             | Other asbestos       |            | -                               | - |               | -                |                    |                 |
| C01998             | Other asbestos       |            | -                               | - |               | -                |                    |                 |
| C01999             | Other asbestos       |            | -                               | - |               | -                |                    |                 |
| SUM                |                      |            |                                 |   |               |                  |                    |                 |

OK

## Basic information line 1

| Data in order | 1         | 2                       | 3              | 4             | 5             | 6                       | 7                       | 8         |
|---------------|-----------|-------------------------|----------------|---------------|---------------|-------------------------|-------------------------|-----------|
| Content       | Line code | Language flag           | Format version | Reference No. | Date of entry | Parts Mass Unit         | Substance Mass Unit     | Tool Name |
| Byte          | 3         | 1                       | 5              | 30            | 10            | 1                       | 1                       | 40        |
| Remarks       | 100       | 0:Japanese<br>1:English |                |               | YYYY/MM/DD    | 1 :mg 2 :g<br>3 :kg 4:t | 1 :mg 2 :g<br>3 :kg 4:t |           |

## Basic information line 2

| Data in order | 1         | 2                  | 3                        | 4       | 5       | 6     | 7        | 8        | 9        | 10                |
|---------------|-----------|--------------------|--------------------------|---------|---------|-------|----------|----------|----------|-------------------|
| Content       | Line code | Division (English) | Contact person (English) | TEL No. | FAX No. | Email | Column 1 | Column 2 | Column 3 | Company (English) |
| Byte          | 3         | 80                 | 20                       | 20      | 20      | 40    | 80       | 80       | 80       | 80                |
| Remarks       | 110       |                    |                          |         |         |       |          |          |          |                   |

  

| 11                | 12                 | 13                     | 14      | 15      | 16    | 17       | 18       | 19       |
|-------------------|--------------------|------------------------|---------|---------|-------|----------|----------|----------|
| Address (English) | Division (English) | Entry person (English) | TEL No. | FAX No. | Email | Column 4 | Column 5 | Column 6 |
| 80                | 80                 | 20                     | 20      | 20      | 40    | 80       | 80       | 80       |

## Basic information line 3

| Data in order | 1         | 2                  | 3                         | 4                  | 5                  | 6                   | 7                       |
|---------------|-----------|--------------------|---------------------------|--------------------|--------------------|---------------------|-------------------------|
| Content       | Line code | Division(Japanese) | Contact person (Japanese) | Company (Japanese) | Address (Japanese) | Division (Japanese) | Entry person (Japanese) |
| Byte          | 3         | 80                 | 40                        | 80                 | 80                 | 80                  | 40                      |
| Remarks       | 120       |                    |                           |                    |                    |                     |                         |

## Part unit line

| Data in order | 1         | 2  | 3          | 4                          | 5                          | 6                          | 7                   | 8                                       | 9                         | 10                        |
|---------------|-----------|--|------------|----------------------------|----------------------------|----------------------------|---------------------|---|---------------------------|---------------------------|
| Content       | Line code | Parts Number (used at surveying company) | Parts Name | Surveying Company Column 1 | Surveying Company Column 2 | Surveying Company Column 3 | Manufacturer's Name | Parts Number (used at surveyed company) | Surveyed Company Column 1 | Surveyed Company Column 2 |
| Byte          | 3         | 40                                       | 40         | 40                         | 40                         | 40                         | 40                  | 40                                      | 40                        | 40                        |
| Remarks       | 200       |  |            |                            |                            |                            |                     |   |                           |                           |

  

| 11                        | 12   | 13         | 14                                | 15                          | 16       | 17       | 18       | 19        | 20        |
|---------------------------|------|------------|-----------------------------------|-----------------------------|----------|----------|----------|-----------|-----------|
| Surveyed Company Column 3 | Unit | Parts Mass | Use of Ozone-depleting Substances | List A Substances Contained | Column 7 | Column 8 | Column 9 | Column 10 | Column 11 |
| 40                        | 20   | 20         | 1                                 | 1                           | 80       | 80       | 80       | 80        | 80        |
|                           |      |            | 0 :No<br>1 :Yes                   | 0 :No<br>1 :Yes             |          |          |          |           |           |

  

| 21        |
|-----------|
| Column 12 |
| 80        |

## Substance groups unit line

| Data in order | 1         | 2                  | 3         | 4                      | 5                   | 6               | 7         | 8         | 9         |
|---------------|-----------|--------------------|-----------|------------------------|---------------------|-----------------|-----------|-----------|-----------|
| Content       | Line code | Classification No. | Total Sum | Content on Group Level | Application (parts) | Purposes of Use | Column 13 | Column 14 | Column 15 |
| Byte          | 3         | 3                  | 20        | 20                     | 80                  | 80              | 80        | 80        | 80        |
| Remarks       | 300       |                    |           |                        |                     |                 |           |           |           |

## Substance unit line

| Data in order | 1         | 2                  | 3   | 4            | 5          | 6                   | 7               | 8         | 9         | 10        |
|---------------|-----------|--------------------|-----|--------------|------------|---------------------|-----------------|-----------|-----------|-----------|
| Content       | Line code | Classification No. | CAS | Compounds *2 | Content *3 | Application (parts) | Purposes of Use | Column 16 | Column 17 | Column 18 |
| Byte          | 3         | 6                  | 20  | 20           | 20         | 80                  | 80              | 80        | 80        | 80        |
| Remarks       | 400       |                    |     |              |            |                     |                 |           |           |           |

\*2 Effective only for metal compounds

\*3 Metal content for metal compounds, content for halogenated organic compounds and others

## Material unit line

| Data in order | 1         | 2                  | 3    | 4           | 5         | 6         | 7         |
|---------------|-----------|--------------------|------|-------------|-----------|-----------|-----------|
| Content       | Line code | Classification No. | Mass | Application | Column 19 | Column 20 | Column 21 |
| Byte          | 3         | 3                  | 20   | 80          | 80        | 80        | 80        |
| Remarks       | 500       |                    |      |             |           |           |           |

## List of Chemical Substances Used in Manufacturing Processes

\* Isomers included

| Substance                  | Chemical Formula   |
|----------------------------|--|
| CFC-11                     | CFCl <sub>3</sub>  |
| CFC-12                     | CF <sub>2</sub> Cl <sub>2</sub>                              |
| CFC-113                    | C <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>                |
| CFC-114                    | C <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>                |
| CFC-115                    | C <sub>2</sub> F <sub>5</sub> Cl                             |
| Halon 1211                 | CF <sub>2</sub> BrCl   |
| Halon 1301                 | CF <sub>3</sub> Br   |
| Halon 2402                 | C <sub>2</sub> F <sub>4</sub> Br <sub>2</sub>                |
| CFC-13                     | CF <sub>3</sub> Cl   |
| CFC-111                    | C <sub>2</sub> FCl <sub>5</sub>                              |
| CFC-112                    | C <sub>2</sub> F <sub>2</sub> Cl <sub>4</sub>                |
| CFC-211                    | C <sub>3</sub> FCl <sub>7</sub>                              |
| CFC-212                    | C <sub>3</sub> F <sub>2</sub> Cl <sub>6</sub>                |
| CFC-213                    | C <sub>3</sub> F <sub>3</sub> Cl <sub>5</sub>                |
| CFC-214                    | C <sub>3</sub> F <sub>4</sub> Cl <sub>4</sub>                |
| CFC-215                    | C <sub>3</sub> F <sub>5</sub> Cl <sub>3</sub>                |
| CFC-216                    | C <sub>3</sub> F <sub>6</sub> Cl <sub>2</sub>                |
| CFC-217                    | C <sub>3</sub> F <sub>7</sub> Cl                             |
| Carbon tetrachloride       | CCl <sub>4</sub>   |
| 1,1,1-Trichloroethane      | C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub>                |
| Methyl bromide             | CH <sub>3</sub> Br   |
| Dibromofluoromethane       | CHFBr <sub>2</sub>   |
| Bromodifluoromethane       | CHF <sub>2</sub> Br  |
| Bromofluoromethane         | CH <sub>2</sub> FBr  |
| Tetrabromofluoroethane     | C <sub>2</sub> HFBr <sub>4</sub>                             |
| Tribromodifluoroethane     | C <sub>2</sub> HF <sub>2</sub> Br <sub>3</sub>               |
| Dibromotrifluoroethane     | C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub>               |
| Bromotetrafluoroethane     | C <sub>2</sub> HF <sub>4</sub> Br                            |
| Tribromofluoroethane       | C <sub>2</sub> H <sub>2</sub> FBr <sub>3</sub>               |
| Dibromodifluoroethane      | C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> Br <sub>2</sub> |
| Bromotrifluoroethane       | C <sub>2</sub> H <sub>2</sub> F <sub>3</sub> Br              |
| Dibromofluoroethane        | C <sub>2</sub> H <sub>3</sub> FBr <sub>2</sub>               |
| Bromodifluoroethane        | C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> Br              |
| Bromofluoroethane          | C <sub>2</sub> H <sub>4</sub> FBr                            |
| Hexabromofluoropropane     | C <sub>3</sub> HFBr <sub>6</sub>                             |
| Pentabromodifluoropropane  | C <sub>3</sub> HF <sub>2</sub> Br <sub>5</sub>               |
| Tetrabromotrifluoropropane | C <sub>3</sub> HF <sub>3</sub> Br <sub>4</sub>               |
| Tribromotetrafluoropropane | C <sub>3</sub> HF <sub>4</sub> Br <sub>3</sub>               |
| Dibromopentafluoropropane  | C <sub>3</sub> HF <sub>5</sub> Br <sub>2</sub>               |
| Bromohexafluoropropane     | C <sub>3</sub> HF <sub>6</sub> Br                            |
| Pentabromofluoropropane    | C <sub>3</sub> H <sub>2</sub> FBr <sub>5</sub>               |
| Tetrabromodifluoropropane  | C <sub>3</sub> H <sub>2</sub> F <sub>2</sub> Br <sub>4</sub> |
| Tribromotrifluoropropane   | C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Br <sub>3</sub> |
| Dibromotetrafluoropropane  | C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Br <sub>2</sub> |
| Bromopentafluoropropane    | C <sub>3</sub> H <sub>2</sub> F <sub>5</sub> Br              |
| Tetrabromofluoropropane    | C <sub>3</sub> H <sub>3</sub> FBr <sub>4</sub>               |
| Tribromodifluoropropane    | C <sub>3</sub> H <sub>3</sub> F <sub>2</sub> Br <sub>3</sub> |
| Dibromotrifluoropropane    | C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> Br <sub>2</sub> |
| Bromotetrafluoropropane    | C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Br              |
| Tribromofluoropropane      | C <sub>3</sub> H <sub>4</sub> FBr <sub>3</sub>               |
| Dibromodifluoropropane     | C <sub>3</sub> H <sub>4</sub> F <sub>2</sub> Br <sub>2</sub> |
| Bromotrifluoropropane      | C <sub>3</sub> H <sub>4</sub> F <sub>3</sub> Br              |
| Dibromofluoropropane       | C <sub>3</sub> H <sub>5</sub> FBr <sub>2</sub>               |
| Bromodifluoropropane       | C <sub>3</sub> H <sub>5</sub> F <sub>2</sub> Br              |
| Bromofluoropropane         | C <sub>3</sub> H <sub>6</sub> FBr                            |
| Chlorobromomethane         | CH <sub>2</sub> BrCl   |

## Appendix-7 List B

2003.1.9

| No | Classification                              |
|----|---|
| 1  | Steel (except 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                   |