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Second edition, 3 June 2004
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 If there is some difference between the Japanese version and the English version, the Japanese version is prioritized.

2. Operation of the Guidelines

1) Operation of the Guidelines may start from July X, 2003. The old lists (guidelines 2003.1.9) can be used till the last day of March, 2004.
   Surveying companies will individually decide when specifically to implement and launch the 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 revise the guidelines, taking trends of international standardization and opinions from surveyed companies into consideration with the approval by member companies.
3) As a rule, use the operation manual to operate the survey.

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 impresses 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. 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 2-1,2-2), 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 ±10%.

Green Procurement Basic Information Survey (Chemical Substances) Ver2.00

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Reference Number		FormatVersion	2.00
Date of Data Entry		YYYY/MM/DD	

Response Date	YYYY/MM/DD

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

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

No	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 Columm 1	Surveyed Company Column 2	Surveyed Company Columm 3	Data Version	Revison Date YYYY/MM/DD	Unit	Parts Mass g	Use of Ozone-depleting Substances 0:No 1:Yes	List A Substances Contained 0:No 1:Yes	Input List A substances	Copy List A substances	Clear List A substances
1																	input	copy	clear
2																	input	copy	clear
3																	input	copy	clear
4																	input	copy	clear
5																	input	copy	clear
6																	input	copy	clear
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Appendix- 2-1 List A

June 3, 2004

Level A

*:The substance groups of Level A are those subject to currently enacted legislations that prohibit or restrict their use in products or marketing them or require reporting.

*:Although the level A chemical substance groups are selected according to such laws and regulations, compliance of them is not to be assured.

No.	Substance 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/EC, Model Toxics in Packaging
2	A07		Hexavalent Chromium Compounds	2000/53/EC(EU/ELV), 2002/95/EC(EU/RoHS), 94/62/EC, 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/EC, 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/EC、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 compords	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:Inculding alloyed metal.

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

*3:Azo dyes and pigment forming certain amines. The subjected applications are limited to parts that may come into direct contact with human skin for a long time.
(certain amines are the substances listed 76/769/EEC,the 19th Amendment, refer to Appendix 3-1.)

*4:Substances listed in the Montreal Protocol, refer to Appendix3-1for the details of classes.
Regarding the Class **II** substances, although they are not prohibited substances, the survey for them should be carried out.

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Level B

*The substance Groups of level B are those that apply to at least one of the 4 criteria stated below (*5

The criteria were decided by the discussion done among JGPSSI, EIA and EICTA (on January 30-31, 2003) an the level B list is not composed of what is called hazardous substances

It is not a list of 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	Others	Phthalates *4
26	D01	Precious materials *1	Copper and Copper Compounds
27	D02		Gold and Gold Compounds
28	D03		Palladium and Palladium Compounds
29	D04		Silver and Silver Compounds

*1 Inculding alloyed metal

*2 Nickel componds except for alloyed metal（for example：stainless steel）

*3 Brominated flame retardant except for PBBs and PBDEs, Please answer by ISO code 1043-4 or CASNo.

*4 Only applies to the following 5 compounds which have been subjected to EU risk assessment (Appendix-3)
:Dibutylphthalate :Di(2-ethylhexyl)phthalate :Diisononyl phthalate
:1,2-Benzenedicarboxylic acid diisodecyl ester :Butyl benzyl phthalate

*5 a:Precious materials/ substances that are present in electronics that provide economic value at end-of-life to recyclers.
b:Materials /substances that are of significant environmental or health and safety interest.
c:Materials / substances that would trigger hazardous waste regulatory requirements.
d:Materials / substances that could have a negative impact on end-of-life management.

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* 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 No.
Level A							
Metal 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	$CdCl_2$	0.613	10108-64-2
			A05005	Cadmium sulfate	$CdSO_4$	0.539	10124-36-4
			A05990~9	Other cadmium compounds	-	-	-
	A07	Hexavalent Chromium 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.
Level A							
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 componds	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	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	-	-	-
Others	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 colorant*4	C02001	Azo dyes forming certain amines	-	-	-
	C04	Ozone depleting substances (Isomers included) see appdenix3-1*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 Montrea 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							
Metal compounds	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

Classification	No.	Substance Group		No.	Substance	Chemical Formula	Metal conversion factor	CAS No.
Level B								
Halogenated organic componds	B08	Brominated flame retardant*3	ISO CODE	B08001	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(14) [Aliphatic/alicyclic brominated compounds]	-	-	-
				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]	-	-	-
				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)]	-	-	-
				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]	-	-	-
				B08005	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(22) [Aliphatic/alicyclic chlorinated and brominated compounds]	-	-	-
				B08006	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(42) [Brominated organic phosphorus compounds]	-	-	-
			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-epichlorohydrin oligomer	$(C_{15}H_{12}Br_4O_2.C_3H_5ClO)x$	-	40039-93-8
				B08013	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=3〜5)	-	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=3〜5)	-	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-allyl-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.
Level B								
Halogenated organic componds	B08	Brominated flame retardant*3	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 ester	-	-	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	$C_{14}H_4Br_{10}O_2$	-	84852-53-9
				B08063	Tribromo-phenyl-maleinimide	$C_{10}H_4Br_3NO_2$	-	59789-51-4
				B08064	Brominated trimethylphenyl-indane	C18H12Brn	-	-
				B08997~9	Other Brominated Flame Retardants	-	-	-
	B07	Poly vinyl chloride (PVC)		B07001	Poly vinyl chloride (PVC)	$(CH_2CHCl)_n$	-	9002-86-2
Others	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 materials	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 Appendix3-1for the details of classes.
Regarding the Class II substances, although they are not prohibited substances, the survey for them should be carried out.
*2:Nickel componds except for alloyed metal (for example:stainless steel)
*3:Brominated flame retardant except for PBBs and PBDEs. Please answer by ISO code 1043-4 or CASNo.
*4:Azo dyes forming certain amines(refer Appendix 3-2)
(certain amines are the substances listed 76/769/EEC,the 19th Amendment)
*5:For chemical substances which the metal conversion factors cannot be specified, it is settled as "1"

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Ozone depleting substances:*1 (isomers included)

Class	No.	Substance Group	Substance	Chemical Formula
Class **I**	C04097	CFCs(Annex A Group I substances in the Montreal Protocol)	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
	C04098	Halons(Annex A Group II substances in the Montreal Protocol)	Halon 1211	CF_2BrCl
			Halon 1301	CF_3Br
			Halon 2402	$C_2F_4Br_2$
	C04099	CFCs(Annex B Group I substances in the Montreal Protocol)	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
	C04100	Carbon tetrachloride(Annex B Group II substance in the Montreal Protocol)	Carbon tetrachloride	CCl_4
	C04101	1,1,1-trichloroethane(Annex B Group III substance in the Montreal Protocol)	1,1,1-Trichloroethane	$C_2H_3Cl_3$
	C04102	Bromochloromethane(Annex C Group III substance in the Montreal Protocol)	Chlorobromomethane	CH_2BrCl
	C04103	Methyl bromide(Annex E substance in the Montreal Protocol)	Methyl bromide	CH_3Br
	C04104	HBFCs(Annex C Group II substances in the Montreal Protocol)	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
Class **II**	C04105	HCFCs(Annex C Group I substances in the Montreal Protocol)	HCFC-21	$CHFCl_2$
			HCFC-22	CHF_2Cl
			HCFC-31	CH_2FCl
			HCFC-121	C_2HFCl_4
			HCFC-122	$C_2HF_2Cl_3$
			HCFC-123	$C_2HF_3Cl_2$
			HCFC-123*2	$CHCl_2CF_3$
			HCFC-124	C_2HF_4Cl
			HCFC-124*2	$CHFClCF_3$
			HCFC-131	$C_2H_2FCl_3$
			HCFC-132	$C_2H_2F_2Cl_2$
			HCFC-133	$C_2H_2F_3Cl$
			HCFC-141	$C_2H_3FCl_2$
			HCFC-141b*2	CH_3CFCl_2
			HCFC-142	$C_2H_3F_2Cl$
			HCFC-142b*2	CH_3CF_2Cl
			HCFC-151	C_2H_4FCl
			HCFC-221	C_3HFCl_6
			HCFC-222	$C_3HF_2Cl_5$
			HCFC-223	$C_3HF_3Cl_4$
			HCFC-224	$C_2HF_4Cl_3$
			HCFC-225	$C_3HF_5Cl_2$
			HCFC-225ca*2	$CF_3CF_2CHCl_2$
			HCFC-225cb*2	CF_2ClCF_2CHClF
			HCFC-226	C_3HF_6Cl
			HCFC-231	$C_3H_2FCl_5$
			HCFC-232	$C_3H_2F_2Cl_4$
			HCFC-233	$C_3H_2F_3Cl_3$
			HCFC-234	$C_3H_2F_4Cl_2$
			HCFC-235	$C_3H_2F_5Cl$
			HCFC-241	$C_3H_3FCl_4$
			HCFC-242	$C_3H_3F_2Cl_3$
			HCFC-243	$C_3H_3F_3Cl_2$
			HCFC-244	$C_3H_3F_4Cl$
			HCFC-251	$C_3H_4FCl_3$
			HCFC-252	$C_3H_4F_2Cl_2$
			HCFC-253	$C_3H_4F_3Cl$
			HCFC-261	$C_3H_5FCl_2$
			HCFC-262	$C_3H_5F_2Cl$
			HCFC-271	C_3H_6FCl

*1:Substances listed in the Montreal Protocol
*2:These substance have the highest potentials to be used commercially.

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Appendix 3-2 Certain amines June 3, 2004
(formed through cleavage of one or more azo bonds)

Substance	Chemical Formula	CAS No.
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

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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**

A01.Antimony and Antimony Compounds

Classification No.	Breakdown Substances	CAS No.	Conversion Factor to	Compound Content	Metal Content	Chemical Formula	Application(Parts)	Purposes of Use
A01001	Antimony	7440-36-0	1.000			Sb		
A01002	Antimony trichloride	10025-91-9	0.534			$SbCl_3$		
A01003	Antimony trioxide	1309-64-4	0.835			Sb_2O_3		
A01004	Antimony pentoxide	1314-60-9	0.753			Sb_2O_5		
A01005	Sodium antimonate	15432-85-6	0.632			$NaSbO_2$		
A01997	Other asbestos		-	-		-		
A01998	Other asbestos		-	-		-		
A01999	Other asbestos		-	-		-		
	SUM							

OK

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output file(JGP file) specifications

1 line code

Basic information line 1	line code 100
Basic information line 2	line code 110
Basic information line 3	line code 120
Part unit line	line code 200
Substance groups unit line	line code 300
Substance unit line	line code 400
Material unit line	line code 500

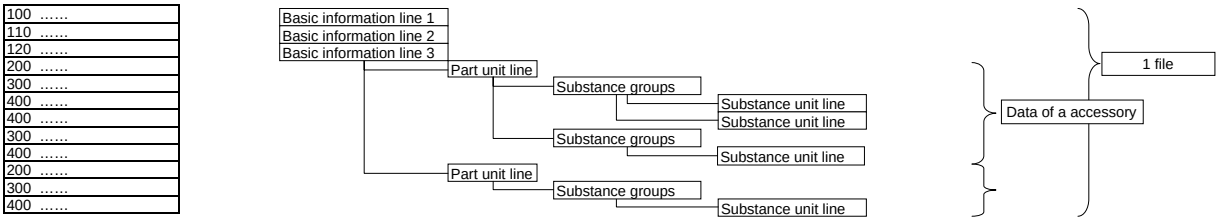
Setting up seven kinds of above-mentioned lines, the line code will be described at the head of a line .
The turn of the lines express the relationships of the data.

- The basic information lines 1, 2, and 3 should be carried out each to one in a file
- Two or more accessories can be existed in one file
- Two or more substance groups can be related to one accessory
- Two or more substances can be related to one substance group
- The substance group of a accessory is described in a substance group unit line after a part unit line
- The substance in a substance group is described in a substance unit line after a substance group unit line
- TAB is used to separate data

2 Instruction of JGP file for chemistry substances

- The basic information lines 1, 2, and 3 should be carried out each to one in a file
- Two or more accessories can be existed in one file
- Two or more substance groups can be related to one accessory
- Two or more substances can be related to one substance group
- The substance group of a accessory is described in a substance group unit line after a part unit line
- The substance in a substance group is described in a substance unit line after a substance group unit line
- TAB is used to separate data

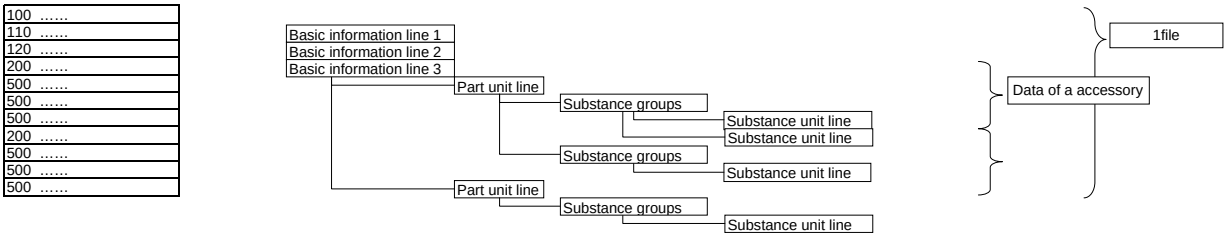
Image of JGP file



3 Instruction of JGP file for chemistry substances for material composition

- The basic information lines 1, 2, and 3 should be carried out each to one in a file
- Two or more accessories can be existed in one file
- Two or more material compositions can be related to one accessory
- The material compositions in an accessory is described in a material unit line after a part group unit line
- TAB is used to separate data

Image of JGP file



4 Format of JGP file(V2.00)

Change tracking		
Basic information line 1	Changed the tool version to format version	Apr 11,2002
Basic information line 1	Added Tool name	Apr 11,2002
Part unit line	Changed to Parts unit	Apr 11,2002
Part unit line	Changed to parts Mass unit	Apr 11,2002
Part unit line	Changed the order of Use of Ozone Depleting Substances and List A Substances Contained	Apr 11,2002
Part unit line	-	Apr 11,2002
Basic information line 1	Added Date of entry	V2.00
Basic information line 2	Added Company name	V2.00
Basic information line 2	Added **DUNS** number	V2.00
Basic information line 3	Added Company name	V2.00
Part unit line	Added Data version	V2.00
Part unit line	Added Revision date	V2.00
Basic information line 1	Changed the format version to 2.00	V2.00
Basic information line 1	Added Radioactive substances to *3 and *4	V2.00
Basic information line 1	Added *5,*6,*7	V2.00

Basic information line 1

Data in order	1	2	3	4	5	6	7	8	9
Content	Line code	Language flag	Format version	Reference No.	Date of entry	Parts Mass Unit	Substance Mass Unit	Tool Name	Operation date
Byte	3	1	5 and below	30 and below	10	1	1	40 and below	10
Remarks	100	0:Japanese 1:English			YYYY/MM/DD	1 :mg 2 :g 3 :kg 4:t *5	1 :mg 2 :g 3 :kg 4:t *6		YYYY/MM/DD
			Addition from Apr 11,2002 V2.00 changed			*5 only 2 :g can be used *6 only 1 :mg can be used		Addition from Apr 11,2002	Addition from V2.00

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 and below	20 and below	20 and below	20 and below	40 and below	80 and below	80 and below	80 and below	80 and below
Remark	110	surveying company	surveying company	surveying company	surveying company	surveying company	surveying company	surveying company	surveying company	surveyed company

11	12	13	14	15	16	17	18	19	20
Address (English)	Division (English)	Entry person (English)	TEL No.	FAX No.	Email	Column 4	Column 5	Column 6	Company (English)
80 and below	80 and below	20 and below	20 and below	20 and below	40 and below	80 and below	80 and below	80 and below	80 and below
surveyed company	surveyed company	surveyed company	surveyed company	surveyed company	surveyed company	surveyed company	surveyed company	surveyed company	surveying company
									V2.00 added

21	22
DUNS number	DUNS number
9	9
surveying company	surveyed company
V2.00 added	V2.00 added

Basic information line 3

Data in order	1	2	3	4	5	6	7	8
Content	Line code	Division(Japanese)	Contact person (Japanese)	Company (Japanese)	Address (Japanese)	Division (Japanese)	Entry person (Japanese)	Company name (Japanese)
Byte	3	80 and below	40 and below	80 and below	80 and below	80 and below	40 and below	80 and below
Remarks	120	surveying company	surveying company	surveyed company	surveyed company	surveyed company	surveyed company	surveying company
								V2.00 added

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 and below	40 and below	40 and below	40 and below	40 and below	40 and below	40 and below	40 and below	40 and below
Remarks	200									

Addition from Apr 11,2002

11	12	13	14	15	16	17	18	19	20
Surveyed Company Columm 3	Unit	Parts Mass	Use of Ozone-depleting Substances	List A Substances Contained	Column 7*7	Column 8*7	Column 9*7	Column 10*7	Column 11*7
40 and below	20 and below	20 and below	1	1	80 and below	80 and below	80 and below	80 and below	80 and below
			0 :No 1:Yes	0 :No 1:Yes					
	Addition from Apr 11,2002	Addition from Apr 11,2002	Addition from Apr 11,2002	Addition from Apr 11,2002	*7 Do not use column7- 18				

21	22	23
Column 8*7	version of data	revision date
80 and below	40 and below	10
		YYYY/MM/DD
	V2.00 added	V2.00 added

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*7	Column 14*7	Column 15*7
Byte	3	3	20 and below	20 and below	80 and below	80 and below	80 and below	80 and below	80 and below
Remarks	300								

Substance unit line

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

*4 Radioactive nuclide for radioactive material

*2 Effective only for metal componds

*3 Metal content for metal compounds, content for halogenatd 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 and below	80 and below	80 and below	80 and below	80 and below
Remarks	500						

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* Isomers included

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

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Appendix-7 List B June 3, 2004

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

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