

**FOR SUPPLIER**

**MANAGEMENT STANDARDS FOR  
CONTAINED CHEMICAL SUBSTANCES**

Established on April 19, 2005  
Revised on July 9, 2007 (Rev.2)  
Revised on May 8, 2008 (Rev.3)  
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**FDK CORPORATION**

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TABLE OF CONTENTS

1.PURPOSE ..... 1

2.SCOPE ..... 1

3. DEFINITION OF TERMS ..... 1

4. MANAGEMENT STANDARDS FOR CONTAINED CHEMICAL SUBSTANCES 3

5. RELATED LAWS AND REGULATIONS ..... 3

AMENDMENT HISTORY ..... 4

ANNEX

[ANNEX 1] MANAGEMENT STANDARDS FOR CONTAINED CHEMICAL SUBSTANCES

[ANNEX 2] LIST OF CONTAINED CHEMICAL SUBSTANCE GROUPS  
(BANNED SUBSTANCE GROUPS): 5TH EDITION

[ANNEX 3] LIST OF CONTAINED CHEMICAL SUBSTANCES (THE 5TH EDITION)

[ANNEX 4] RELATED LAWS AND REGULATIONS OF CONTAINED  
CHEMICAL SUBSTANCES

## **1. PURPOSE**

This standard define the Management Standards for Contained Chemical Substances of FDK Group (hereinafter referred to as “FDK”) and aim for the thorough realization of the management of contained chemical substances in FDK.

## **2. SCOPE**

The standard is applied to the chemical substances contained in FDK’s procured parts, products and the packaging materials.

## **3. DEFINITION OF TERMS**

### **(1) Procured Parts**

All the parts (including raw materials), sub-materials and production subsidiary materials constituting comprise FDK’s products.

### **(2) Products**

1. Products designed, produced and sold by FDK.
2. Products designed and produced by a third party under commission from FDK and are sold with FDK’s trademark.
3. Products designed and produced by FDK under commission from a third party.

### **(3) Packaging Materials**

Materials used to wrap or pack FDK’s procured parts or products.  
Examples: Cardboard boxes, inks, paints, wrapping bands, labels, and adhesives.

### **(4) Sub-materials**

Materials used to satisfy the functions of products. Examples: Adhesive tapes, solders, adhesives, and paints (including coatings and platings).

### **(5) Production Subsidiary Materials**

Materials, not directly affecting the functions of products, but used in the production process of products and adhered to products.

Examples: Inks used in inspection (if adhered to products), labels, and residues of wax/tapes used for temporary fixation.

### **(6) Contained Chemical Substances**

Chemical substances contained in FDK’s procured parts, products and packaging materials.

(7) Contain

This term indicates that chemical substances (including impurities) are, whether intentionally or not, added, filled, mixed or adhered to FDK's procured parts, products and packaging materials.

(This term also indicates that chemical substances are unintentionally mixed or adhered to products during the production process.)

(8) Impurities

This term indicates substances which are contained in natural materials and cannot be technically removed completely by refinery processes as industry materials, or substances which are generated in synthetic reaction and cannot be technically removed completely.

(9) Acceptable Limits

Maximum concentration never be exceeded in ppm of a target contained chemical substance in a material which cannot be disjointed into different materials mechanically (a homogeneous material).

(10) ppm

This term is the abbreviation for part(s) per million and means one-millionth. This is a unit of one-millionth and used for describing the percentage of content or concentration. When 1 mg of a chemical substance is contained in 1 kg of a material, this equals to 1 ppm.

(11) Management Classification of Contained Chemical Substances

- |                            |   |
|----------------------------|---|
| 1. Unconditionally Banned: | The substance which must not be unconditionally used.   |
| 2. Conditionally Banned:   | The substance whose use is banned by any laws or market requirements with a time limit or the substance whose use is conditionally banned by its application (purpose) or maximum acceptable limit of impurities. |
| 3. Monitored:              | The substance which must be monitored based on the request from market.   |

(12) CAS No.

A registration number for a chemical substance used in the chemical substances registration system in the CAS (Chemical Abstract Service) which was established by the American Chemical Society. It is also called as a CAS number.

#### **4. MANAGEMENT STANDARDS**

The Management Standards for Contained Chemical Substances are shown in [ANNEX1].

FDK shall not contain any unconditionally banned substances and conditionally banned substances to FDK's procured parts, products and the packaging materials.

The list of substance groups of unconditionally banned substances and conditionally banned substances is shown in [ANNEX 2] and the lists of unconditionally banned substances, conditionally banned substances and monitored substances which are managed as contained chemical substances in FDK are shown in [ANNEX 3].

#### **5. RELATED LAWS AND REGULATIONS**

The laws and regulations related to the standards are shown in [ANNEX 4].

AMENDMENT HISTORY

	Date	Description of Change
1	April 19, 2005	Established
2	July 9, 2007	<p>1) Annex 1, Management Standards for Contained Chemical Substances, is modified as follows:</p> <p>(1) In the Conditionally Banned Substances table, Acceptable Limit in Except for the following in the Cadmium and its compounds is modified from "&lt; 75ppm" to "<b>&lt; 75(100)ppm.</b>" The following note is also added: "<b>*5: "&lt;100ppm" is applied after relevant Danish laws and regulations are revised.</b>"</p> <p>(2) In the Conditionally Banned Substances table, Acceptable Limit in Battery and battery pack in the Cadmium and its compounds is modified from "&lt;250ppm of total weight" to "<b>&lt; 20ppm of total weight.</b>"</p> <p>(3) In the Conditionally Banned Substances table, "&lt;0.4% of total weight" in Acceptable Limit in Battery and battery pack in the Lead and its compounds is deleted.</p> <p>(4) The note *4 to the Conditionally Banned Substances table is modified from "98/101/EC(91/157/EEC, 93/86/EEC" to "<b>2006/66/EC.</b>" The same is applied to Annex 4.</p> <p>2) "Azo compounds (Azo compound forming specific amine)" in Substance group of Annex 2 and Annex 3 and "Azo compounds (Azo-compound which forms specific amine)" in Substance of Annex 4 are modified to "Azo compounds (<b>Amines specified by EU directives, Chemical Examination Law (Japan), etc.</b>)."</p> <p>3) In Related Laws and Regulations of Contained Chemical Substances of Annex 4, Relating the main regulations system etc. of PCBs, PCTs is modified from "2002/95/EC(EU/RoHS)" to "<b>76/769/EEC.</b>"</p>

3	May 8,2008	<p>1) In Annex 1, Management Standards for Contained Chemical Substances:</p> <p>(1)To the Unconditional Banned Substances table, “CAS No.3846-71-7 2-benzotriazol-2-yl-4,6-di-tert-butylphenol” is added.</p> <p>(2)To the Conditionally Banned Substances table, “PFOS Perfluorooctanesulfonic acid and its salts <math>C_8F_{17}SO_2X</math> (<math>X = OH, Metal\ salt, halide, amide,</math> and other derivatives including polymers) *<sup>6</sup></p> <table border="1" data-bbox="628 714 1331 920"> <thead> <tr> <th>Purpose</th> <th>Acceptable Limit</th> </tr> </thead> <tbody> <tr> <td><i>Except for the following</i></td> <td>&lt;1000ppm*<sup>3</sup></td> </tr> <tr> <td>• Substance, Preparations (grease, oil, etc.)</td> <td>&lt;50ppm</td> </tr> <tr> <td>• Surface finishing (such as coating)</td> <td>&lt;1µg/m<sup>2</sup></td> </tr> </tbody> </table> <p>*6: The applications exempted from the EC Directive 2006/122/EC are not covered.” is added.</p> <p>2) In Related Laws and Regulations of Contained Chemical Substances of Annex 4, “PFOS 2006/122/EC” is added to 22 Other conditional Prohibition substances.</p>	Purpose	Acceptable Limit	<i>Except for the following</i>	<1000ppm* <sup>3</sup>	• Substance, Preparations (grease, oil, etc.)	<50ppm	• Surface finishing (such as coating)	<1µg/m <sup>2</sup>
Purpose	Acceptable Limit									
<i>Except for the following</i>	<1000ppm* <sup>3</sup>									
• Substance, Preparations (grease, oil, etc.)	<50ppm									
• Surface finishing (such as coating)	<1µg/m <sup>2</sup>									
4	July 12,2010	<p>1)Change in 【 Annex 1】</p> <p>(1) 143-50-0 chlordecones are added to the Unconditionally Banned Substance.</p> <p>(2) Yellow phosphorus CAS No.7723-14-0 of the Unconditionally Banned Substance It changes to ⇒ 12185-10-3.</p> <p>2)Change in 【 Annex 3】</p> <p>(1)The difference with JIG101 Ed 3.0 is added to the LIST OF CONTAINED CHEMICAL SUBSTANCES</p> <p>(2)The list of the RoHS 6 substance of the LIST OF CONTAINED CHEMICAL SUBSTANCES is JIG101 Ed 3.0 and is same.</p> <p>(3) 143-50-0 chlordecones are added to the Unconditionally Banned Substance of the LIST OF CONTAINED CHEMICAL SUBSTANCES</p> <p>(4)The difference with the REACH SVHC material is added to the LIST OF CONTAINED CHEMICAL SUBSTANCES as a watch material.</p> <p>(5) JGPSSI Substance No. is deleted.</p>								

**MANAGEMENT STANDARDS FOR CONTAINED CHEMICAL SUBSTANCES**

FDK group must not contain the following unconditional banned in a procured parts and products, and those packing material.

**1) Procured Parts and a Product****Unconditional Banned**

CAS No.	Substance	Law *	CAS No.	Substance	Law *	CAS No.	Substance	Law *
13121-70-5	Tricyclohexyltin hydroxide	4	99-35-4	1,3,5-Trinitrobenzene	5	118-74-1	Hexachlorobenzene	1
13171-21-6	Dimethyl-(diethylamido-1-chlorocrotonyl) phosphate	3	107-04-0	1-Bromo-2-Chloroethane	5	309-00-2	Aldrin	1
56-38-2	Diethyl-paranitrophenyl- thiophosphate	3	87-63-8	2-Chloro-6-Methylaniline	5	72-20-8	Endrin	1
8022-00-2	Demeton-methyl	3	3165-93-3	4-Chloro-O-Toluidinehydrochloride	5	50-29-3	Chlorophenothane	1
298-00-0	Dimethylparanitrophenyl thiophosphate	3	101-55-3	4-Bromophenylphenylether	5	60-57-1	Dieldrin	1
107-49-3	Tetraethyl Pyrophosphate	3	1116-54-7	N-Nitrosodiethanolamine	5	8001-35-2	Toxaphene	1
732-26-3	2,4,6-tri-tert-butylphenol	1	615-53-2	N-Methyl-N-Nitrosourethane	5	2385-85-5	Mirex	1
542-88-1	Bis(chloromethyl) Ether	2	56-53-1	Diethylstilbestrol	5	71-43-2	Benzene	2
152-16-9	Octamethylpyrophosphoramide	3	3083-25-8	Trichlorobutylene oxide	5	12185-10-3	Phosphorus (yellow)	2
115-32-2	Dicofol	1	680-31-9	Hexamethylphosphoramide	5	78-00-2	Tetraethyl Lead	3
93-76-5	(2,4,5-Trichlorophenoxy)acetic Acid and its salts and	4	85-22-3	Pentabromoethylbenzene	5	75-74-1	Tetramethyl Lead	3
2813-95-8	2,4-Dinitro-6-(1-methylpropyl)phenyl Acetate	4	62-50-0	Ethylmethanesulfonate	5	20859-73-8	Aluminium Phosphide	3
88-85-7	Dinoseb and its salts and esters	4	591-78-6	2-Hexanone	5	319-84-6	Benzene Hexachloride et	4
6164-98-3	N'-(4-chloro-2-methylphenyl)-N,N-dimethylmethanin	4	56-49-5	3-Methylcholanthrene	5	106-93-4	1,2-Dibromoethane	4
126-72-7	Tris (2,3-dibromopropyl) phosphate	4	930-55-2	N-Nitrosopyrrolidine	5	66733-21-9	Erionite etc.	5
545-55-1	Tris (1-aziridinyl) phosphineoxide	4	3132-64-7	3-Bromo-1,2-Epoxypropane	5	51-79-6	Ethyl carbamide	5
70-25-7	N-Methyl-N'-Nitro-N-Nitrosoguanidine	5	1888-71-7	Hexachloropropene	5	62-44-2	p-Ethoxyacetanilide	5
56-35-9	Bis (tributyl tin) oxide	1	608-93-5	Pentachlorobenzene	5	353-50-4	Carbonylfluoride	5
95-94-3	1,2,4,5-Tetrachlorobenzene	5	92-67-1	4-Aminodiphenyl	2	50-55-5	Reserpine	5
15017-02-4	N,N'-ditolyl-p-phenylenediamine	1	92-93-3	4-Nitorodiphenyl	2	50-07-7	Mitomycin C	5
91-59-8	2-Naphthylamine	2		Radioactive substances	7	76-01-7	Pentachloroethane	5
	Tributyl Tins & Triphenyl Tins	1		Asbestos types	2	56-04-2	Methylthiouracil	5
	PCBs , PCTs	1		Ozone-depleting substances		92-87-5	Benzidine	2
	Polychlorinated Naphthalenes (Cl $\geq$ 3)	1		(Substances cited by the Montreal Protocol)			Chlordane	1
	Chlorinated paraffine (C10-13)	6		(The isomer is included. )			Fluoroacetic Acid	3
87-68-3	Hexachlorobuta-1,3-diene	1	534-52-1	DNOC	4	17804-35-2	Benomyl	4
485-31-4	Binapacryl	4	107-06-2	Ethane, 1,2-dichloro-	4	1563-66-2	Carbofuran	4
2425-06-1	Captafol	4	75-21-8	Ethylene oxide	4	137-26-8	Thiram	4
510-15-6	Chlorobenzilate	4	76-44-8	Heptachlor	4	10265-92-6	Methamidophos	4
87-86-5	Pentachlorophenol and its salts and esters	4	6923-22-4	Monocrotophos	4	143-50-0	Chlordecone	1
3846-71-7	2-benzotriazol-2-yl-4,6-di-tert-butylphenol	1						

\*:The main regulations system etc. which relate to each material are as follows.

1. Law concerning Examination and Regulation of Manufacture and Handling of Chemical substances (Japan)
2. The Law on Industrial Safety and Hygiene(Japan)
3. Poisonous and Deleterious Substance Control Law (Japan)
4. Export Trade Control Ordinance (Japan)
5. Toxic Substances Control Act ANY USE (United States)
6. EU Directive 76/769/EEC
7. Nuclear Substances Control Law (Japan)

**Conditionally Banned Substances (The substance whose use is banned by its purpose or maximum acceptable limit of impurities.)**

Substance	Purpose	Acceptable Limit
Cadmium and its compounds * <sup>1</sup>	Except for the following	<75(100)ppm <sup>3,5</sup>
	• Solder	<20ppm* <sup>3</sup>
Lead and its compounds * <sup>1</sup>	• Resin, coating, ink, thick film paste, fuse-element of thermal fuse	<5ppm* <sup>3</sup>
	• Resistive element (frit glass) • Glass and pigment and dye for glass	
	• Electric contacts such as DC motor, relay swich, and breaker	
	• Surface finishing (such as coating)	
	• Battery and battery pack	< 20ppm of total weight <sup>4</sup>
Mercury and its compounds * <sup>1</sup>	Except for the following	<1000ppm* <sup>3</sup>
	• Resin, coating, ink	<100ppm* <sup>3</sup>
Chromium VI and its compounds * <sup>1</sup>	Except for the following	<1000ppm* <sup>3</sup>
	• Button battery	< 2% of total weight
Polybrominated biphenyls (PBBs) * <sup>1</sup>	• Battery except for button battery and battery pack	< 5ppm of total weight
	• All	<1000ppm* <sup>3</sup>
Polybrominated diphenyl ethers (PBDEs) * <sup>1</sup>	• All	<1000ppm* <sup>3</sup>
Polyvinyl chloride (PVC)	• Retaining band	Banned
Formaldehyde	• Woodworks using fiber board, plywood	Banned
Arsenic and its compounds	• Antiseptic substance for wood	Banned
Nickel and the compound Except Alloy (for example stainless steel)	• Contact part with a human body continuously (Parts used with contacting a human skin such as headphone or microphone)	Banned
Azo compounds (Azo compound forming specific amine * <sup>2</sup> )	• Parts contacting a human skin directly and continuously	Banned
PFOS Perfluorooctanesulfonic acid and its salts C <sub>8</sub> F <sub>17</sub> SO <sub>2</sub> X (X = OH, Metal salt, halide, amide, and other derivatives including polymers) * <sup>6</sup>	Except for the following	<1000ppm* <sup>3</sup>
	• Substance, Preparations (grease, oil, etc.)	<50ppm* <sup>3</sup>
	• Surface finishing (such as coating)	<1 μg/m <sup>3</sup>

\*1: The applications exempted from the EC Directive 2002/95/EC (EU/RoHS) are not covered.

\*2: Specific amines are the amine compounds defined in the EC Directive 76/769/EEC, the 19th Amendment.

\*3: Acceptable limit for a substance in a component consist of a homogenous material.

\*4: 2006/66/EC

\*5: "&lt;100ppm" is applied after relevant Danish laws and regulations are revised.

\*6: The applications exempted from the EC Directive 2006/122/EC are not covered.

**2) Packing material of a procured parts and a product.**

In addition to 1) contents of the products, meet the following requirement.

Substance	Purpose	Acceptable Limit
Heavy metal(cadmium, lead, mercury, and hexavalent chromium)	•Packaging medium	Less than 100ppm in all * <sup>3</sup>
Polyvinyl chloride(PVC)	•Packaging medium	Banned

\*3: Acceptable limit for a substance in a component consist of a homogenous material.

## 【ANNEX2】

## LIST OF CONTAINED CHEMICAL SUBSTANCE GROUPS (BANNED SUBSTANCE GROUPS): 5TH EDITION

FDK substance group No.	JGPSSI substance group No.	Substance group	FDK Classification	FDK substance No.	CAS No.	Unconditionally banned substance	Purpose
1	A05	Cadmium and its compounds	conditionally banned	11***			
2	A09	Lead and its compounds	conditionally banned	12***			
			unconditionally banned	12029	78-00-2	Tetraethyl Lead	
				12032	75-74-1	Tetramethyl Lead	
3	A10	Mercury and its compounds	conditionally banned	13***			
4	A07	Chromium VI and its compounds	conditionally banned	14***			
5	A02	Arsenic and the compound	conditionally banned	15***			Antiseptic substance for wood
7	A11	Nickel and the compound The alloy (The example: stainless steel) is excluded	conditionally banned	17***			Contact part with a human body continuously (Parts used with contacting a human skin such as headphone or microphone)
8	A17	Specific, organic tin compound	unconditionally banned	18021	56-35-9	Bis (tributyl tin) oxide	
	A18		unconditionally banned	18***		TBTs , TPTs	
9		Organotin compound	unconditionally banned	19017	13121-70-5	Tricyclohexyltin hydroxide	
10		Organophosphorus compound	unconditionally banned	20001	13171-21-6	Dimethyl-(diethylamido-1-chlorocrotonyl) phosphate	
				20002	56-38-2	Diethyl-paranitrophenyl- thiophosphate	
				20003	8022-00-2	Demeton-methyl	
				20004	298-00-0	Dimethylparanitrophenyl thiophosphate	
				20005	107-49-3	Tetraethyl Pyrophosphate	
11	B05	PCBs , PCTs	unconditionally banned	21***			
12	B06	Polychlorinated Naphthalenes (Cl $\geq$ 3)	unconditionally banned	22***			
13	B09	Chlorinated paraffine (C10-13)	unconditionally banned	23005	85535-84-8	Chlorinated paraffine (C10-13)	
14	B02,B03	PBB's , PBDE's	conditionally banned	24***			
15	C01	Asbestos types	unconditionally banned	25***			
16	A09	Azo compounds (Amines specified by EU directives, Chemical Examination Law (Japan), etc.)	unconditionally banned	26001	15017-02-4	N,N'-ditolyl-p-phenylenediamine	
				26002	91-59-8	2-Naphthylamine	
				26003	92-67-1	4-Aminodiphenyl	
				26004	92-93-3	4-Nitorodiphenyl	
				26005	92-87-5	Benzidine	
				conditionally banned	26***		
18		Chlordane	unconditionally banned	28***			
19		Fluoroacetic Acid	unconditionally banned	29***			
21		Other unconditional prohibition substances	unconditionally banned	31***			Refer to unconditional prohibition substance list.
22			unconditionally banned	32***			
22	B07	Other conditional prohibition substances	conditionally banned	32053	9002-86-2	Polyvinyl chloride(PVC)	The use of packing material and a Retaining band.
				32054	50-00-0	Formaldehyde	Woodworks using fiber board, plywood.
23	C04	Ozone-depleting substances (Substances cited by the Montreal Protocol)	unconditionally banned	33***		A Group I , II / B Group I , II , III C Group I , II , III / E	
25	C06	Radioactive substances	unconditionally banned	35***			

## [ANNEX3]

## LIST OF CONTAINED CHEMICAL SUBSTANCES (THE 5TH EDITION)

## FDK Classification

1: Unconditionally Banned

2: Conditionally Banned

3: Monitored

FDK Substance group No.	Substance group	FDK Substance No.	CAS №	Substance	Chemical formula	FDK Classification		
						1	2	3
1	Cadmium and its compounds	11001	7440-43-9	Cadmium	Cd		●	
		11023	10108-64-2	Cadmium chloride	CdCl <sub>2</sub>		●	
		11026	1306-19-0	Cadmium oxide	CdO		●	
		11039	1306-23-6	Cadmium sulfide	CdS		●	
		11040	10124-36-4	Cadmium sulfate	CdSO <sub>4</sub>		●	
		11999	—	Other cadmium compounds	-		●	
2	Lead and its compounds	12029	78-00-2	Tetraethyl Lead	Pb(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub>	●		
		12032	75-74-1	Tetramethyl Lead	Pb(CH <sub>3</sub> ) <sub>4</sub>	●		
		12001	7439-92-1	Lead	Pb		●	
		12002	1319-46-6	Lead(II) carbonate basic	2PbCO <sub>3</sub> ·Pb(OH) <sub>2</sub>		●	
		12014	7758-97-6	Lead(II) chromate	PbCrO <sub>4</sub>		●	
		12015	1344-37-2	Lead chromate (chrome yellow)	PbCrO <sub>4</sub>		●	
		12021	1072-35-1	Lead stearate	Pb(C <sub>17</sub> H <sub>35</sub> COO) <sub>2</sub>		●	
		12028	12060-00-3	Lead(II) titanate	PbTiO <sub>3</sub>		●	
		12041	7784-40-9	Lead arsenate	PbHAsO <sub>4</sub>		●	
		12053	7446-27-7	Lead(II) phosphate	Pb <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>		●	
		12054	1344-36-1	Lead hydroxidcarbonate	2PbCO <sub>3</sub> ·Pb(OH) <sub>2</sub>		●	
		12057	1317-36-8	Lead(II) oxide	PbO		●	
		12067	1314-41-6	Lead(II,IV) oxide	Pb <sub>3</sub> O <sub>4</sub>		●	
		12072	301-04-2	Lead acetate	Pb(CH <sub>3</sub> COO) <sub>2</sub>		●	
		12073	6080-56-4	Lead ( II ) acetate trihydrate	(CH <sub>3</sub> COO) <sub>2</sub> Pb·3H <sub>2</sub> O		●	
		12077	598-63-0	Lead(II) carbonate	PbCO <sub>3</sub>		●	
		12080	1309-60-0	Lead(IV) oxide	PbO <sub>2</sub>		●	
		12081	1314-87-0	Lead(II) sulfide	PbS		●	
		12082	7446-14-2	Lead(II) sulfate	PbSO <sub>4</sub>		●	
		12083	15739-80-7	Lead(II) sulfate	PbXSO <sub>4</sub>		●	
12085	12656-85-8	Lead chromate molybdate sulfate red	PbCrO <sub>4</sub> , PbMoO <sub>4</sub> , PbSO <sub>4</sub>		●			
12999	—	Other lead compounds	-		●			
3	Mercury and its compounds	13001	7439-97-6	Mercury	Hg		●	
		13011	587-85-9	Diphenylmercury	(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> Hg		●	
		13012	593-74-8	Dimethylmercury	(CH <sub>3</sub> ) <sub>2</sub> Hg		●	
		13024	22967-92-6	Methylmercury salts	CH <sub>3</sub> HgX		●	
		13043	10112-91-1	Mercury( I ) chloride	HgCl		●	
		13044	7487-94-7	Mercury(II) chloride	HgCl <sub>2</sub>		●	
		13047	21908-53-2	Mercury(II) oxide	HgO		●	
		13048	15829-53-5	Mercury( I ) oxide, black	Hg <sub>2</sub> O		●	
		13056	10045-94-0	Mercury( II ) nitrate	HgN <sub>2</sub> O <sub>6</sub>		●	
		13059	1600-27-7	Mercury( II ) acetate	Hg(CH <sub>3</sub> COO) <sub>2</sub>		●	
		13063	628-86-4	Mercury( II ) Fulminate	Hg(ONC) <sub>2</sub>		●	
		13066	7783-36-0	Mercury( I ) Sulfate	Hg <sub>2</sub> SO <sub>4</sub>		●	
		13068	33631-63-9	Mercury chloride	-		●	
		13999	—	Other mercury compounds	-		●	
		4	Chromium VI and its compounds	14005	7789-00-6	Potassium chromate	K <sub>2</sub> CrO <sub>4</sub>	
14006	13765-19-0			Calcium chromate	CaCrO <sub>4</sub>		●	
14009	7789-06-2			Strontium chromate (1:1)	SrCrO <sub>4</sub>		●	
14012	7775-11-3			Sodium chromate	Na <sub>2</sub> CrO <sub>4</sub>		●	
14014	10294-40-3			Barium Chromate(VI)	BaCrO <sub>4</sub>		●	
14031	13530-65-9			Zinc chromate	ZnCrO <sub>4</sub>		●	
14033	7789-09-5			Ammoniumdichromate	(NH <sub>4</sub> ) <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>		●	
14034	7778-50-9			Potassium dichromate	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>		●	
14038	10588-01-9			Sodium dichromate	Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>		●	
14046	1333-82-0			Chromium(VI) oxide	CrO <sub>3</sub>		●	
14999	—			Other hexavalent chromium compounds	-		●	

[ANNEX3]

LIST OF CONTAINED CHEMICAL SUBSTANCES (THE 5TH EDITION)

FDK Classification

1: Unconditionally Banned

2: Conditionally Banned

3: Monitored

FDK Substance group No.	Substance group	FDK Substance No.	CAS №	Substance	Chemical formula	FDK Classification		
						1	2	3
5	Arsenic and the compound ※Antiseptic substance for wood (Other usages are observed. )	15001	7440-38-2	Arsenic	As		●	
		15024	1303-28-2	Arsenic pentoxide	As <sub>2</sub> O <sub>5</sub>		●	
		15029	1327-53-3	Arsenic trioxide	As <sub>2</sub> O <sub>3</sub>		●	
		15041	1303-00-0	Gallium arsenide	GaAs		●	
		15066	15606-95-8	Triethyl arsenate	C <sub>6</sub> H <sub>15</sub> AsO <sub>4</sub>		●	
		15999	—	Other arsenic compounds	-		●	
6	Beryllium and the compound	16001	7440-41-7	Beryllium	Be			●
		16009	1304-56-9	Beryllium oxide	BeO			●
		16999	—	Other beryllium compounds	-			●
7	Nickel and the compound The alloy (The example: stainless steel) is excluded  (Contact part with a human body continuously.) (Other usages are observed. )	17007	7718-54-9	Nickelouschloride	NiCl <sub>2</sub>		●	
		17009	1313-99-1	Nickel(II) oxide	NiO		●	
		17015	3333-67-3	Nickel(II) carbonate	NiCO <sub>3</sub>		●	
		17018	7786-81-4	Nickel(II) Sulfate	NiSO <sub>4</sub>		●	
		17998	7440-02-0	Nickel	Ni		●	
		17999	—	Other nickel compounds	-		●	
8	Specific, organic tin compound (TBTs , TPTs)	18021	56-35-9	Bis (tributyl tin) oxide	C <sub>24</sub> H <sub>54</sub> OSn <sub>2</sub>	●		
		18001	56-36-0	Tributyltin acetate	(C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> SnOCOCH <sub>3</sub>	●		
		18002	1461-22-9	Tributyltin chloride	(C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> SnCl	●		
		18003	6517-25-5	Tributyltin sulfamate	(C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> SnSO <sub>3</sub> NH <sub>2</sub>	●		
		18004	85409-17-2	Tributyltin naphthenate	-	●		
		18005	1983-10-4	Tributyltin fluoride	(C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> SnF	●		
		18006	2155-70-6	Tributyltin methacrylate	(C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> SnC <sub>4</sub> H <sub>7</sub> O <sub>2</sub>	●		
		18007	26239-64-5	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)	C <sub>32</sub> H <sub>56</sub> O <sub>2</sub> Sn	●		
		18008	3090-36-6	Tributyltin laurate	(C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> SnC <sub>12</sub> H <sub>23</sub> O <sub>2</sub>	●		
		18012	1803-12-9	Triphenyltin N,N'- dimethyldithiocarbamate	(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> Sn(CH <sub>3</sub> ) <sub>2</sub> NCS <sub>2</sub>	●		
		18013	900-95-8	Triphenyltin acetate	(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> SnOCOCH <sub>3</sub>	●		
		18014	7094-94-2	Triphenyltin chloroacetate	(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> SnOCOCH <sub>2</sub> Cl	●		
		18015	379-52-2	Triphenyltin fluoride	(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> SnF	●		
		18016	47672-31-1	Triphenyltin fatty acid salts (C=9-11)	-	●		
		18017	31732-71-5	Bis(tributyltin) 2,3-dibromosuccinate	((C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> Sn) <sub>2</sub> C <sub>2</sub> H <sub>2</sub> (Br) <sub>2</sub> (COO)	●		
		18018	4782-29-0	Bis(tributyltin) phthalate	(C <sub>6</sub> H <sub>4</sub> )(COO) <sub>2</sub> ((C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> Sn) <sub>2</sub>	●		
		18019	6454-35-9	Bis(tributyltin) fumarate	C <sub>2</sub> H <sub>2</sub> (COO) <sub>2</sub> ((C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> Sn) <sub>2</sub>	●		
		18020	14275-57-1	Bis(tributyltin) maleate	C <sub>2</sub> H <sub>2</sub> (COO) <sub>2</sub> ((C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> Sn) <sub>2</sub>	●		
		18022	639-58-7	Triphenyltin chloride	(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> SnCl	●		
		18025	76-87-9	Triphenyltin hydroxide	(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> SnOH	●		
		18026	—	Copolymer of alkyl acrylate, methyl methacrylate and tributyltin methacrylate(alkyl; C=8)	-	●		
		18027	—	Mixture of tributyltin cyclopentanecarboxylate and its analogs (Tributyltin naphthenate)	(C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> SnCO <sub>3</sub> C <sub>5</sub> H <sub>9</sub>	●		
		18028	18380-72-8	Triphenyltin fatty acid salts (C=9-11)		●		
		18029	47672-31-1	Triphenyltin fatty acid salts (C=9-11)		●		
		18030	94850-90-5	Triphenyltin fatty acid salts (C=9-11)		●		
		18031	7342-38-3	Tributyltinchloride		●		
18999	—	Other Tributyl Tins & Triphenyl Tins	-	●				
9	Organotin compound	19004	78-04-6	Dibuty tin maleate	C <sub>12</sub> H <sub>20</sub> O <sub>4</sub> Sn			●
		19017	13121-70-5	Tricyclohexyltin hydroxide	C <sub>18</sub> H <sub>34</sub> OSn	●		

[ANNEX3]

LIST OF CONTAINED CHEMICAL SUBSTANCES (THE 5TH EDITION)

FDK Classification

1: Unconditionally Banned

2: Conditionally Banned

3: Monitored

FDK Substance group No.	Substance group	FDK Substance No.	CAS №	Substance	Chemical formula	FDK Classification				
						1	2	3		
		19018	818-08-6	Dibutyltin oxide	C <sub>8</sub> H <sub>18</sub> OSn			●		
		19019	1067-33-0	Dibutyltin diacetate	C <sub>12</sub> H <sub>24</sub> O <sub>4</sub> Sn			●		
		19020	77-58-7	Dibutyltin dilaurate	C <sub>32</sub> H <sub>64</sub> O <sub>4</sub> Sn			●		
		19021	870-08-6	Diocetyl Tin Oxide	C <sub>16</sub> H <sub>34</sub> OSn			●		
		19022	3648-18-8	Diocetyl tin dilaurate	C <sub>40</sub> H <sub>80</sub> O <sub>4</sub> Sn			●		
		19999	-	Other organotin compound	-			●		
10	Organophosphorus compound	20001	13171-21-6	Dimethyl-(diethylamido-1-chlorocrotonyl) phosphate	C <sub>10</sub> H <sub>19</sub> CLNO <sub>5</sub> P	●				
		20002	56-38-2	Diethyl-paranitrophenyl- thiophosphate	C <sub>10</sub> H <sub>14</sub> NO <sub>3</sub> PS	●				
		20003	8022-00-2	Diethyl-paranitrophenyl- thiophosphate	C <sub>6</sub> H <sub>15</sub> O <sub>3</sub> PS <sub>2</sub>	●				
		20004	298-00-0	Dimethylparanitrophenyl thiophosphate	(CH <sub>3</sub> O) <sub>2</sub> P(=S)O(C <sub>6</sub> H <sub>4</sub> )NO <sub>2</sub>	●				
		20005	107-49-3	Tetraethyl Pyrophosphate	(C <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> P(:O)OP(:O)(OC <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>	●				
11	Polychlorinated biphenyls (PCBs , PCTs)	21001	1336-36-3	Polychlorinated biphenyls	Unspecified	●				
		21002	61788-33-8	Polychlorinated terphenyls	Unspecified	●				
		21003	81161-70-8	monomethyl dichlorojiphenylm ethane	-	●				
		21004	99688-47-8	Bromobenzylbro motoluene	-	●				
		21005	76253-60-6	Dichloro ((dichlorophenyl) methyl) methylbenzene	-	●				
		21999	-	Other PCBs	-	●				
12	Polychlorinated Naphthalenes (Cl≥3)	22001	70776-03-3	Polychlorinated Naphthalenes	C <sub>10</sub> H <sub>8</sub> -xCl <sub>x</sub> (x≥3)	●				
		22999	-	Polychlorinated Naphthalenes (Cl≥3)	-	●				
13	Chlorinated paraffine (C10-13)	23002	108171-26-2	Chlorinated Paraffins (C12, 60% Chlorine)	-	●				
		23004	61788-76-9	Alkanes, chloro	-	●				
		23005	85535-84-8	Chlorinated paraffine (C10-13)	Unspecified	●				
		23006	71011-12-6	Chlorinated Paraffins (C12-13)	-	●				
		23007	64754-90-1	Chlorinated polyethylene	-	●				
		23999	-	Other Chlorinated Paraffins	-	●				
14	Polybrominated biphenyls (PBBs)	24001	2052-07-5	Polybrominated biphenyls (PBBs)	C <sub>12</sub> H <sub>x</sub> Br <sub>(10-x)</sub>			●		
		24002	2113-57-7							●
		24003	13654-09-6							●
		24004	27753-52-2							●
		24005	27858-07-7							●
		24006	59536-65-1							●
		24007	67774-32-7							●
		24008	36355-01-8							●
		24009	92-86-4							●
		24018	92-66-0			4-Bromobiphenyl				●
		24019	59080-34-1			Tribromobiphenyl				●
		24020	40088-45-7			Tetrabromobiphenyl				●
		24021	56307-79-0			Pentabromobiphenyl				●
		24022	59080-40-9			Hexabromobiphenyl				●
		24023	35194-78-6	Heptabromobiphenyl				●		
		24024	61288-13-9	Octabromobiphenyl				●		
	Polybrominated diphenyl ethers (PBDEs)	24010	1163-19-5	Polybrominated diphenyl ethers (PBDEs)	C <sub>12</sub> H <sub>x</sub> Br <sub>(10-x)</sub> O			●		
		24011	63936-56-1							●
		24012	32536-52-0							●
		24013	68928-80-3							●
		24014	36483-60-0							●

## [ANNEX3]

## LIST OF CONTAINED CHEMICAL SUBSTANCES (THE 5TH EDITION)

## FDK Classification

1: Unconditionally Banned

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FDK Substance group No.	Substance group	FDK Substance No.	CAS №	Substance	Chemical formula	FDK Classification		
						1	2	3
		24015	32534-81-9	Dibromodiphenyl ether			●	
		24016	40088-47-9				●	
		24025	2050-47-7				●	
		24026	49690-94-0			Tribromodiphenyl ether		●
		24999	—	Other polybrominated biphenyls, Other polybrominated diphenyl ethers		●		
15	Asbestos types	25001	1332-21-4	Asbestos	-	●		
		25002	132207-32-0	Asbestos	-	●		
		25003	132207-33-1	Asbestos	-	●		
		25005	77536-66-4	Actinolite	Unspecified	●		
		25006	12172-73-5	Amosite	Unspecified	●		
		25008	77536-67-5	Anthophyllite	Unspecified	●		
		25009	12001-29-5	Chrysotile	Unspecified	●		
		25010	12001-28-4	Crocidolite	Unspecified	●		
		25011	77536-68-6	Tremolite	Unspecified	●		
		25999	—	Other asbestos	-	●		
16	Azo compounds (Amines specified by EU directives, Chemical Examination Law (Japan), etc.)	26001	15017-02-4	N,N'-ditolyl-p-phenylenediamine	-	●		
		26002	91-59-8	2-naphthylamine	C <sub>10</sub> H <sub>9</sub> N	●	●	
		26003	92-67-1	4-aminodiphenyl	C <sub>12</sub> H <sub>11</sub> N	●	●	
		26004	92-93-3	4-nitrodiphenyl	-	●		
		26005	92-87-5	Benzidine	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub>	●	●	
		26006	137-17-7	2,4,5-trimethylaniline	C <sub>9</sub> H <sub>13</sub> N		●	
		26007	615-05-4	2,4-diaminoanisole	C <sub>7</sub> H <sub>10</sub> N <sub>2</sub> O		●	
		26008	95-80-7	2,4-toluenediamine	C <sub>7</sub> H <sub>10</sub> N <sub>2</sub>		●	
		26009	99-55-8	2-amino-4-nitrotoluene	C <sub>7</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>		●	
		26010	91-94-1	3,3'-dichlorobenzidine	C <sub>12</sub> H <sub>10</sub> Cl <sub>2</sub> N <sub>2</sub>		●	
		26011	838-88-0	3,3'-dimethyl-4,4'-diaminodiphenylmethane	C <sub>15</sub> H <sub>18</sub> N <sub>2</sub>		●	
		26012	119-93-7	3,3'-dimethylbenzidine	C <sub>14</sub> H <sub>16</sub> N <sub>2</sub>		●	
		26013	119-90-4	3,3'-dimethoxybenzidine	C <sub>14</sub> H <sub>16</sub> N <sub>2</sub> O <sub>2</sub>		●	
		26014	101-80-4	4,4'-diaminodiphenylether	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> O		●	
		26015	101-77-9	4,4'-diaminodiphenylmethane	C <sub>13</sub> H <sub>14</sub> N <sub>2</sub>		●	
		26016	139-65-1	4,4'-thiodianiline	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> S		●	
		26017	101-14-4	4,4'-methylene-bis-(2-chloroaniline)	C <sub>13</sub> H <sub>12</sub> Cl <sub>2</sub> N <sub>2</sub>		●	
		26018	60-09-3	4-Aminoazobenzene	C <sub>12</sub> H <sub>11</sub> N <sub>3</sub>		●	
		26019	95-69-2	4-chloro- o-toluidine	C <sub>7</sub> H <sub>8</sub> ClN		●	
		26020	90-04-0	o-anisidine	C <sub>7</sub> H <sub>9</sub> NO		●	
		26021	97-56-3	o-aminoazotoluene	C <sub>14</sub> H <sub>15</sub> N <sub>3</sub>		●	
		26022	95-53-4	o-toluidine	C <sub>7</sub> H <sub>9</sub> N		●	
		26023	106-47-8	p-chloroaniline	C <sub>6</sub> H <sub>6</sub> ClN		●	
		26024	120-71-8	2-methoxy-5-methylaniline	C <sub>8</sub> H <sub>11</sub> NO		●	
18	Chlordane	28001	57-74-9	Chlordane	C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>	●		
		28002	12789-03-6	Chlordane,technical	-	●		
		28003	27364-13-8	Oxychlordane	C <sub>10</sub> H <sub>4</sub> Cl <sub>8</sub> O	●		
		28999	39765-80-5	Trans-nonachlor	C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	●		
		29001	144-49-0	Monofluoroacetate	FCH <sub>2</sub> COOH	●		
19	Fluoroacetic Acid	29002	640-19-7	Fluoroacetamide	FCH <sub>2</sub> CONH <sub>2</sub>	●		
		29003	62-74-8	Sodium fluoroacetate	C <sub>2</sub> H <sub>2</sub> O <sub>2</sub> FNa	●		
		30001	87-86-5	Pentachlorophenol	C <sub>6</sub> Cl <sub>5</sub> OH	●		
20	Pentachlorophenol	30999	—	Other pentachlorophenol	-	●		
		31001	732-26-3	2,4,6-tri-tert-butylphenol	C <sub>18</sub> H <sub>30</sub> O	●		
21	Other prohibition substances	31002	309-00-2	Aldrin	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	●		

## [ANNEX3]

## LIST OF CONTAINED CHEMICAL SUBSTANCES (THE 5TH EDITION)

## FDK Classification

1: Unconditionally Banned

2: Conditionally Banned

3: Monitored

FDK Substance group No.	Substance group	FDK Subatance No.	CAS №	Substance	Chemical formula	FDK Classification		
						1	2	3
		31003	72-20-8	Endrin	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	●		
		31004	50-29-3	Chlorophenothane	Cl <sub>3</sub> CCH(C <sub>6</sub> H <sub>4</sub> Cl) <sub>2</sub>	●		
		31005	60-57-1	Dieldrin	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	●		
		31006	8001-35-2	Toxaphene	approx. C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	●		
		31007	118-74-1	Hexachlorobenzene	C <sub>6</sub> Cl <sub>6</sub>	●		
		31008	2385-85-5	Mirex	C <sub>10</sub> Cl <sub>12</sub>	●		
		31009	542-88-1	Bis(chloromethyl) Ether	(ClCH <sub>2</sub> ) <sub>2</sub> O	●		
		31010	71-43-2	Benzene	C <sub>6</sub> H <sub>6</sub>	●		
		31012	152-16-9	Octamethylpyrophosphoramid	C <sub>8</sub> H <sub>24</sub> N <sub>4</sub> O <sub>3</sub> P <sub>2</sub>	●		
		31013	20859-73-8	Aluminium Phosphide	AIP	●		
		31015	106-93-4	1,2-Dibromoethane	BrCH <sub>2</sub> CH <sub>2</sub> Br	●		
		31016	93-76-5	(2,4,5-Trichlorophenoxy)acetic Acid	Cl <sub>3</sub> C <sub>6</sub> H <sub>2</sub> OCH <sub>2</sub> COOH	●		
		31017	2813-95-8	2,4-Dinitro-6-(1-methylpropyl)phenyl Acetate	C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O <sub>6</sub>	●		
		31018	88-85-7	2,4-Dinitro-6-(1-methylpropyl)phenol	(O <sub>2</sub> N) <sub>2</sub> C <sub>6</sub> H <sub>2</sub> (OH)CH(CH <sub>3</sub> )C <sub>2</sub> H <sub>5</sub>	●		
		31019	6164-98-3	N'-(4-chloro-2-methylphenyl)-N,N-dimethylmethanimidamide	ClC <sub>6</sub> H <sub>3</sub> (CH <sub>3</sub> )(N=CHN(CH <sub>3</sub> ) <sub>2</sub> )	●		
		31020	126-72-7	Tris (2,3-dibromopropyl ) phosphate	(Br <sub>2</sub> C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> PO	●		
		31021	545-55-1	Tris (1- aziridinyl ) phosphineoxide	C <sub>6</sub> H <sub>12</sub> N <sub>3</sub> OP	●		
		31022	319-84-6	α-Benzene Hexachloride	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	●		
		31023	319-85-7	β-Benzene Hexachloride	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	●		
		31024	58-89-9	γ-Benzene Hexachloride	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	●		
		31025	608-73-1	Benzene hexachloride	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	●		
		31026	6108-10-7	ε-Benzene Hexachloride	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	●		
		31027	115-32-2	2,2,2-trichloro-1,1-bis(4-chlorophenyl)ethanol	(Cl(C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> C(OH)CCl <sub>3</sub> )	●		
		31028	485-31-4	Binapacryl	C <sub>15</sub> H <sub>18</sub> N <sub>2</sub> O <sub>6</sub>	●		
		31029	2425-06-1	1,2,3,6-tetrahydro-N-(1,1,2,2-tetrachloroethylthio)phthalimide	C <sub>10</sub> H <sub>9</sub> Cl <sub>4</sub> NO <sub>2</sub> S	●		
		31030	510-15-6	Chlorobenzilate	C <sub>16</sub> H <sub>14</sub> Cl <sub>2</sub> O <sub>3</sub>	●		
		31031	534-52-1	4,6-dinitro-o-cresol	C <sub>7</sub> H <sub>6</sub> N <sub>2</sub> O <sub>5</sub>	●		
		31032	76-44-8	Heptachlor	C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub>	●		
		31033	6923-22-4	Monocrotophos	C <sub>7</sub> H <sub>14</sub> NO <sub>3</sub> P	●		
		31034	17804-35-2	Benomyl	C <sub>14</sub> H <sub>18</sub> N <sub>4</sub> O <sub>3</sub>	●		
		31035	1563-66-2	Carbofuran	C <sub>12</sub> H <sub>15</sub> NO <sub>3</sub>	●		
		31036	10265-92-6	Methamidophos	C <sub>2</sub> H <sub>8</sub> NO <sub>2</sub> PS	●		
		31037	624-49-7	Dimethyl fumarate		●		
		31038	3846-71-7	Phenol,2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)	C <sub>20</sub> H <sub>25</sub> N <sub>3</sub> O	●		
		31039	143-50-0	Chlordecone	C <sub>10</sub> Cl <sub>10</sub> O	●		
		31040	18185-10-3	Phosphorus (yellow)	P <sub>4</sub>	●		
		57057	87-68-3	hexachlorobuta-1,3-diene	C <sub>4</sub> Cl <sub>6</sub>	●		
22	Other prohibition substances	32001	95-94-3	1,2,4,5-Tetrachlorobenzene	(C <sub>6</sub> H <sub>2</sub> )Cl <sub>4</sub>	●		
		32002	99-35-4	1,3,5-Trinitrobenzene	C <sub>6</sub> H <sub>3</sub> (NO <sub>2</sub> ) <sub>3</sub>	●		
		32003	107-04-0	1-Bromo-2-Chloroethane	BrCH <sub>2</sub> CH <sub>2</sub> Cl	●		
		32004	87-63-8	2-Chloro-6-Methylaniline	ClC <sub>6</sub> H <sub>3</sub> (CH <sub>3</sub> )NH <sub>2</sub>	●		
		32005	591-78-6	2-Hexanone	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> COCH <sub>3</sub>	●		
		32006	56-49-5	3-Methylcholanthrene	C <sub>21</sub> H <sub>16</sub>	●		
		32007	3165-93-3	4-Chloro-O-Toluidinehydrochloride	CH <sub>3</sub> (C <sub>6</sub> H <sub>3</sub> )NH <sub>2</sub> (Cl).HCl	●		
		32008	101-55-3	4-Bromophenylphenylether	Br(C <sub>6</sub> H <sub>4</sub> )O(C <sub>6</sub> H <sub>5</sub> )	●		
		32009	1116-54-7	N-Nitrosodiethanolamine	(C <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> NN=O	●		
		32010	930-55-2	N-Nitrosopyrrolidine	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O	●		

[ANNEX3]

LIST OF CONTAINED CHEMICAL SUBSTANCES (THE 5TH EDITION)

FDK Classification

1: Unconditionally Banned

2: Conditionally Banned

3: Monitored

FDK Substance group No.	Substance group	FDK Substance No.	CAS №	Substance	Chemical formula	FDK Classification		
						1	2	3
		32011	70-25-7	N-Methyl-N'-Nitro-N-Nitrosoguanidin	CH <sub>3</sub> N(NO)C(=NH)NHNO <sub>2</sub>	●		
		32012	615-53-2	N-Methyl-N-Nitrosourethane	CH <sub>3</sub> N(NO)COOC <sub>2</sub> H <sub>5</sub>	●		
		32013	3132-64-7	3-Bromo-1,2-Epoxypropane	C <sub>3</sub> H <sub>5</sub> BrO	●		
		32014	12510-42-8	Erionite	NaKCaSi <sub>12</sub> Al <sub>4</sub> O <sub>33-12</sub> H <sub>2</sub> O	●		
		32015	66733-21-9	Erionite		●		
		32016	51-79-6	Ethyl carbamate	H <sub>2</sub> NCOOC <sub>2</sub> H <sub>5</sub>	●		
		32017	56-53-1	Diethylstilbestrol	HO(C <sub>6</sub> H <sub>4</sub> )C(C <sub>2</sub> H <sub>5</sub> )=C(C <sub>2</sub> H <sub>5</sub> )(C <sub>6</sub> H <sub>4</sub> )OH	●		
		32018	3083-25-8	Trichlorobutylene oxide		●		
		32019	62-44-2	p-Ethoxyacetanilide	CH <sub>3</sub> CH <sub>2</sub> O(C <sub>6</sub> H <sub>4</sub> )NHCOCH <sub>3</sub>	●		
		32020	353-50-4	Carbonylfluoride	F <sub>2</sub> CO	●		
		32021	1888-71-7	Hexachloropropene		●		
		32022	680-31-9	Hexamethylphosphoramide	(N(CH <sub>3</sub> ) <sub>2</sub> ) <sub>3</sub> PO	●		
		32023	76-01-7	Pentachloroethane	CHCl <sub>2</sub> CCl <sub>3</sub>	●		
		32024	608-93-5	Pentachlorobenzene	C <sub>6</sub> HCl <sub>5</sub>	●		
		32025	85-22-3	Pentabromoethylbenzene		●		
		32026	50-07-7	Mitomycin C	C <sub>15</sub> H <sub>18</sub> N <sub>4</sub> O <sub>5</sub>	●		
		32027	62-50-0	Ethylmethanesulfonate	CH <sub>3</sub> SO <sub>3</sub> C <sub>2</sub> H <sub>5</sub>	●		
		32028	56-04-2	Methylthiouracil	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub> OS	●		
		32029	50-55-5	Reserpine	C <sub>33</sub> H <sub>40</sub> N <sub>2</sub> O <sub>9</sub>	●		
		32035	107-06-2	1,2-dichloroethan	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	●		
		32045	137-26-8	Tetramethylthiuramdisulfide	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> S <sub>4</sub>	●		
		32058	75-21-8	Ethylene oxide	(CH <sub>2</sub> ) <sub>2</sub> O	●		
22	Other conditionally banned substances (Banned is a packing material and a union band.)	32053	9002-86-2	Poly vinyl chloride(PVC)	(CH <sub>2</sub> CHCl) <sub>n</sub>		●	
	Other conditionally banned substances (It banned the usage of the exquisite woodwork that uses the fiber board and plywood. )	32054	50-00-0	Formaldehyde	HCHO		●	
		32059	-	Perfluoroctane Sulfonates (PFOS) C8F17SO2X, where X = OR, NR or other derivative	C8F17SO2X, where X = OR, NR or other derivative		●	
23	Ozone-depleting substances (Substances cited by the Montreal Protocol)	33001	75-69-4	CFC-11	CFCl <sub>3</sub>	●		
		33002	75-71-8	CFC-12	CF <sub>2</sub> Cl <sub>2</sub>	●		
		33003	76-13-1	CFC-113	C <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>	●		
		33004	1320-37-2	CFC-114	C <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>	●		
		33005	76-14-2	CFC-114	ClCF <sub>2</sub> CF <sub>2</sub> Cl	●		
		33006	374-07-2	CFC-114a	CCl <sub>2</sub> FCF <sub>3</sub>	●		
		33007	76-15-3	CFC-115	C <sub>2</sub> F <sub>5</sub> Cl	●		
		33008	353-59-3	Halon 1211	CF <sub>2</sub> BrCl	●		
		33009	75-63-8	Halon 1301	CF <sub>3</sub> Br	●		
		33010	124-73-2	Halon 2402	C <sub>2</sub> F <sub>4</sub> Br <sub>2</sub>	●		
		33011	75-72-9	CFC-13	CF <sub>3</sub> Cl	●		
		33012	354-56-3	CFC-111	C <sub>2</sub> FCl <sub>5</sub>	●		
		33013	76-12-0	CFC-112	CCl <sub>2</sub> FCCL <sub>2</sub> F	●		
		33014	76-11-9	CFC-112a	CCl <sub>3</sub> CClF <sub>2</sub>	●		
		33099	28605-74-5	CFC-112	C <sub>2</sub> F <sub>2</sub> Cl <sub>4</sub>	●		
		33015	135401-87-5	CFC-211	C <sub>3</sub> FCl <sub>7</sub>	●		
		33100	422-78-6	CFC-211		●		
		33016	3182-26-1	CFC-212	C <sub>3</sub> F <sub>2</sub> Cl <sub>6</sub>	●		
		33017	1652-89-7	CFC-213	C <sub>3</sub> F <sub>3</sub> Cl <sub>5</sub>	●		

## [ANNEX3]

## LIST OF CONTAINED CHEMICAL SUBSTANCES (THE 5TH EDITION)

## FDK Classification

1: Unconditionally Banned

2: Conditionally Banned

3: Monitored

FDK Substance group No.	Substance group	FDK Substance No.	CAS №	Substance	Chemical formula	FDK Classification		
						1	2	3
		33101	134237-31-3	CFC-213		●		
		33018	2268-46-4	CFC-214	C <sub>3</sub> F <sub>4</sub> Cl <sub>4</sub>	●		
		33102	29255-31-0	CFC-214		●		
		33019	1652-81-9	CFC-215	C <sub>3</sub> F <sub>3</sub> Cl <sub>3</sub>	●		
		33103	1599-41-3	CFC-215a	CF <sub>3</sub> CCl <sub>2</sub> CClF <sub>2</sub>	●		
		33020	661-97-2	CFC-216	C <sub>3</sub> F <sub>6</sub> Cl <sub>2</sub>	●		
		33021	422-86-6	CFC-217	C <sub>3</sub> F <sub>7</sub> Cl	●		
		33022	56-23-5	Carbon tetrachloride	CCl <sub>4</sub>	●		
		33023	71-55-6	1,1,1-Trichloroethane	C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub>	●		
		33062	1868-53-7	Dibromofluoromethane	CHFBBr <sub>2</sub>	●		
		33063	75-61-6	Dibromofluoromethane	CHFBBr <sub>2</sub>	●		
		33064	1511-62-2	Bromodifluoromethane	CHF <sub>2</sub> Br	●		
		33065	373-52-4	Bromofluoromethane	CH <sub>2</sub> FBr	●		
		33066	306-80-9	Tetrabromofluoroethane	C <sub>2</sub> HFBBr <sub>4</sub>	●		
		33067	—	Tribromodifluoroethane	C <sub>2</sub> HF <sub>2</sub> Br <sub>3</sub>	●		
		33068	354-04-1	Dibromotrifluoroethane	C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub>	●		
		33069	124-72-1	Bromotetrafluoroethane	C <sub>2</sub> HF <sub>3</sub> Br	●		
		33070	—	Tribromofluoroethane	C <sub>2</sub> H <sub>2</sub> FBr <sub>3</sub>	●		
		33071	75-82-1	Dibromodifluoroethane	C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> Br <sub>2</sub>	●		
		33072	421-06-7	Bromotrifluoroethane	C <sub>2</sub> H <sub>2</sub> F <sub>3</sub> Br	●		
		33073	358-97-4	Dibromofluoroethane	C <sub>2</sub> H <sub>3</sub> FBr <sub>2</sub>	●		
		33074	—	Bromodifluoroethane	C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> B	●		
		33075	762-49-2	Bromofluoroethane	C <sub>2</sub> H <sub>4</sub> FBr	●		
		33076	—	Hexabromofluoropropane	C <sub>3</sub> HFBBr <sub>6</sub>	●		
		33077	—	Pentabromodifluoropropane	C <sub>3</sub> HF <sub>2</sub> Br <sub>5</sub>	●		
		33078	—	Tetrabromotrifluoropropane	C <sub>3</sub> HF <sub>2</sub> Br <sub>4</sub>	●		
		33079	—	Tribromotetrafluoropropane	C <sub>3</sub> HF <sub>2</sub> Br <sub>3</sub>	●		
		33080	431-78-7	Dibromopentafluoropropane	C <sub>3</sub> HF <sub>2</sub> Br <sub>2</sub>	●		
		33081	2252-79-1	Bromohexafluoropropane	C <sub>3</sub> HF <sub>6</sub> Br	●		
		33082	—	Pentabromofluoropropane	C <sub>3</sub> H <sub>2</sub> FBr <sub>5</sub>	●		
		33083	—	Tetrabromodifluoropropane	C <sub>3</sub> H <sub>2</sub> F <sub>2</sub> Br <sub>4</sub>	●		
		33084	—	Tribromotrifluoropropane	C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Br <sub>3</sub>	●		
		33085	—	Dibromotetrafluoropropane	C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Br <sub>2</sub>	●		
		33086	460-88-8	Bromopentafluoropropane	C <sub>3</sub> H <sub>2</sub> F <sub>5</sub> Br	●		
		33087	—	Tetrabromofluoropropane	C <sub>3</sub> H <sub>3</sub> FBr <sub>4</sub>	●		
		33088	70192-80-2	Tribromodifluoropropane	C <sub>3</sub> H <sub>3</sub> F <sub>2</sub> Br <sub>3</sub>	●		
		33089	70192-83-5	Dibromotrifluoropropane	C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> Br <sub>2</sub>	●		
		33090	679-84-5	Bromotetrafluoropropane	C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Br	●		
		33091	75372-14-4	Tribromofluoropropane	C <sub>3</sub> H <sub>4</sub> FBr <sub>3</sub>	●		
		33092	460-25-3	Dibromodifluoropropane	C <sub>3</sub> H <sub>4</sub> F <sub>2</sub> Br <sub>2</sub>	●		
		33093	421-46-5	Bromotrifluoropropane	C <sub>3</sub> H <sub>4</sub> F <sub>3</sub> Br	●		
		33094	51584-26-0	Dibromofluoropropane	C <sub>3</sub> H <sub>5</sub> FBr <sub>2</sub>	●		
		33095	—	Bromodifluoropropane	C <sub>3</sub> H <sub>5</sub> F <sub>2</sub> Br	●		
		33096	352-91-0	Bromofluoropropane	C <sub>3</sub> H <sub>6</sub> FBr	●		
		33097	74-97-5	Bromochloromethane	CH <sub>2</sub> BrCl	●		
		33098	74-83-9	Methyl bromide	CH <sub>3</sub> Br	●		
		33107	354-58-5	1,1,1-Trichloro-2,2,2 trifluoroethane	C <sub>2</sub> Cl <sub>3</sub> F <sub>3</sub>	●		
		33108	422-81-1	1,1,1,2,3,3,3-Heptachloro-2-fluoropropane	-	●		
		33109	3182-26-1	Hexachlorodifluoropropane	C <sub>3</sub> Cl <sub>6</sub> F <sub>2</sub>	●		
		33110	2354-06-5	Pentachlorotrifluoropropane	C3F3Cl5	●		
		33111	-	1,1,1,3-Tetrachloro-2,2,3,3-tetrafluoropropane	C3Cl4F4	●		
		33112	76-17-5	1,2,3-Trichloropentafluoropropane	C <sub>3</sub> Cl <sub>3</sub> F <sub>5</sub>	●		
		33113	-	1,1,2-Trichloropentafluoropropane	-	●		
		33114	-	1,1,3-Trichloropentafluoropropane	-	●		
		33115	4259-43-2	1,1,1-Trichloropentafluoropropane	C <sub>3</sub> Cl <sub>3</sub> F <sub>5</sub>	●		

## [ANNEX3]

## LIST OF CONTAINED CHEMICAL SUBSTANCES (THE 5TH EDITION)

## FDK Classification

1: Unconditionally Banned

2: Conditionally Banned

3: Monitored

FDK Substance group No.	Substance group	FDK Substance No.	CAS №	Substance	Chemical formula	FDK Classification		
						1	2	3
		33116	74-96-4	Bromoethane (ethyl bromide)	C <sub>2</sub> H <sub>5</sub> Br	●		
		33117	106-94-5	1-Bromopropane (n-propyl bromide)	C <sub>3</sub> H <sub>7</sub> Br	●		
		33118	2314-97-8	Trifluoroiodomethane (trifluoromethyl iodide)	CF <sub>3</sub> I	●		
		33119	74-87-3	Chloromethane (methyl chloride)	CH <sub>3</sub> Cl	●		
		33120	-	Tribromodifluoroethane	-	●		
		33121	-	Tribromofluoroethane	-	●		
		33122	420-47-3	Bromodifluoroethane	C <sub>2</sub> H <sub>3</sub> BrF <sub>2</sub>	●		
		33123	-	Hexabromofluoropropane	-	●		
		33124	-	Pentabromodifluoropropane	-	●		
		33125	-	Tetrabromotrifluoropropane	-	●		
		33126	-	Tribromotetrafluoropropane	-	●		
		33127	2252-78-10	Bromohexafluoropropane	-	●		
		33128	-	Pentabromofluoropropane	-	●		
		33129	-	Tetrabromodifluoropropane	-	●		
		33130	-	Tribromotrifluoropropane	-	●		
		33131	-	Dibromotetrafluoropropane	-	●		
		33132	-	Tetrabromofluoropropane	-	●		
		33133	431-21-0	Dibromotrifluoropropane	C <sub>3</sub> H <sub>3</sub> Br <sub>2</sub> F <sub>3</sub>	●		
		33134	-	Bromodifluoropropane	-	●		
		33135	1871-72-3	Bromofluoropropane	-	●		
		33136	354-14-3	1,1,2,2-Tetrachloro-1-fluoroethane	C <sub>2</sub> HCl <sub>4</sub> F	●		
		33137	41834-16-6	Trichlorodifluoroethane	-	●		
		33138	354-15-4	1,1,2-Trichloro-1,2-difluoroethane	C <sub>2</sub> HCl <sub>3</sub> F <sub>2</sub>	●		
		33139	354-12-1	1,1,1-Trichloro-2,2-difluoroethane	C <sub>2</sub> HCl <sub>3</sub> F <sub>2</sub>	●		
		33140	34077-87-7	Dichlorotrifluoroethane	C <sub>2</sub> HCl <sub>2</sub> F <sub>3</sub>	●		
		33141	306-83-2	1,1-Dichloro-2,2,2-trifluoroethane	C <sub>2</sub> HCl <sub>2</sub> F <sub>3</sub>	●		
		33142	354-23-4	1,2-Dichloro-1,1,2-trifluoroethane	C <sub>2</sub> HCl <sub>2</sub> F <sub>3</sub>	●		
		33143	90454-18-5	1,2-Dichloro-1,1,2-trifluoroethane	-	●		
		33144	63938-10-3	Chlorotetrafluoroethane	C <sub>2</sub> HClF <sub>4</sub>	●		
		33145	359-28-4	1,1,2-Trichloro-2-fluoroethane	C <sub>2</sub> H <sub>2</sub> Cl <sub>3</sub> F	●		
		33146	811-95-0	1,1,2-Trichloro-1-fluoroethane	C <sub>2</sub> H <sub>2</sub> Cl <sub>3</sub> F	●		
		33147	2366-36-1	1,1,1-Trichloro-2-fluoroethane	C <sub>2</sub> H <sub>2</sub> Cl <sub>3</sub> F	●		
		33148	25915-78-0	Dichlorodifluoroethane	-	●		
		33149	431-06-1	1,2-Dichloro-1,2-difluoroethane	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> F <sub>2</sub>	●		
		33150	471-43-2	1,1-Dichloro-2,2-difluoroethane	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> F <sub>2</sub>	●		
		33151	1842-05-3	1,1-Dichloro-1,2-difluoroethane	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> F <sub>2</sub>	●		
		33152	1330-45-6	Chlorotrifluoroethane	C <sub>2</sub> H <sub>2</sub> ClF <sub>3</sub>	●		
		33153	431-07-2	Chlorotrifluoroethane	C <sub>2</sub> H <sub>2</sub> ClF <sub>3</sub>	●		
		33154	1330-45-6	1-Chloro-1,2,2-trifluoroethane	C <sub>2</sub> H <sub>2</sub> ClF <sub>3</sub>	●		
		33155	421-04-5	1-Chloro-1,1,2-trifluoroethane	C <sub>2</sub> H <sub>2</sub> ClF <sub>3</sub>	●		
		33156	25167-88-8	Dichlorofluoroethane	-	●		
		33157	430-53-5	1,1-Dichloro-2-fluoroethane	C <sub>2</sub> H <sub>3</sub> Cl <sub>2</sub> F	●		
		33158	338-65-8	2-Chloro-1,1-Difluoroethane	C <sub>2</sub> H <sub>3</sub> ClF <sub>2</sub>	●		
		33159	338-64-7	1-Chloro-1,2-difluoroethane	C <sub>2</sub> H <sub>3</sub> ClF <sub>2</sub>	●		
		33160	110587-14-9	Chlorofluoroethane	-	●		
		33161	762-50-5	1-Chloro-2-fluoroethane	C <sub>2</sub> H <sub>4</sub> ClF	●		
		33162	29470-97-8	Hexachlorofluoropropane	-	●		
		33163	422-26-4	1,1,1,2,2,3-Hexachloro-3-fluoropropane	-	●		
		33164	422-49-1	1,1,1,3,3-pentachloro-2,2-difluoropropane	C <sub>3</sub> HCl <sub>5</sub> F <sub>2</sub>	●		
		33165	422-30-0	1,2,2,3,3-pentachloro-1,1-difluoropropane	C <sub>3</sub> HCl <sub>5</sub> F <sub>2</sub>	●		
		33166	422-52-6	1,1,3,3-Tetrachloro-1,2,2-trifluoropropane	-	●		
		33167	422-50-4	1,1,1,3-Tetrachloro-2,2,3-trifluoropropane	-	●		
		33168	422-54-8	1,3,3-Trichloro-1,1,2,2-tetrafluoropropane	C <sub>3</sub> HCl <sub>3</sub> F <sub>4</sub>	●		
		33169	422-53-7	1,1,3-Trichloro-1,2,2,3-tetrafluoropropane	-	●		

## [ANNEX3]

## LIST OF CONTAINED CHEMICAL SUBSTANCES (THE 5TH EDITION)

## FDK Classification

1: Unconditionally Banned

2: Conditionally Banned

3: Monitored

FDK Substance group No.	Substance group	FDK Subatance No.	CAS №	Substance	Chemical formula	FDK Classification		
						1	2	3
		33170	422-51-7	1,1,1-Trichloro-2,2,3,3-tetrafluoropropane	-	●		
		33171	127564-92-5	Dichloropentafluoropropane	C <sub>3</sub> HCl <sub>2</sub> F <sub>5</sub>	●		
		33172	128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane	C <sub>3</sub> HCl <sub>2</sub> F <sub>5</sub>	●		
		33173	422-48-0	2,3-Dichloro-1,1,1,2,3-pentafluoropropane	C <sub>3</sub> HCl <sub>2</sub> F <sub>5</sub>	●		
		33174	422-44-6	1,2-Dichloro-1,1,2,3,3-pentafluoropropane	C <sub>3</sub> HCl <sub>2</sub> F <sub>5</sub>	●		
		33175	13474-88-9	1,1-Dichloro-1,2,2,3,3-pentafluoropropane	C <sub>3</sub> HCl <sub>2</sub> F <sub>5</sub>	●		
		33176	136013-79-1	1,3-Dichloro-1,1,2,3,3-pentafluoropropane	C <sub>3</sub> HCl <sub>2</sub> F <sub>5</sub>	●		
		33177	111512-56-2	1,1-Dichloro-1,2,3,3,3-pentafluoropropane	C <sub>3</sub> HCl <sub>2</sub> F <sub>5</sub>	●		
		33178	431-87-8	2-Chloro-1,1,1,3,3,3-hexafluoropropane	C <sub>3</sub> HCIF <sub>6</sub>	●		
		33179	421-94-3	1,1,1,2,3-pentachloro-2-fluoro-propane	-	●		
		33180	134237-39-1	Tetrachlorodifluoropropane	C <sub>3</sub> H <sub>2</sub> Cl <sub>4</sub> F <sub>2</sub>	●		
		33181	460-89-9	1,1,1,3-Tetrachloro-3,3-difluoropropane	-	●		
		33182	7125-83-9	1,1,1-Trichloro-3,3,3-trifluoropropane	-	●		
		33183	425-94-5	1,2-Dichloro-1,2,3,3-tetrafluoropropane	-	●		
		33184	460-92-4	1-Chloro-1,1,3,3,3-pentafluoropropane	C <sub>3</sub> H <sub>2</sub> ClF <sub>5</sub>	●		
		33185	666-27-3	1,1,2,3-Tetrachloro-1-fluoropropane	-	●		
		33186	460-63-9	1,3,3,3-Trichloro-1,1-difluoropropane	-	●		
		33187	7125-99-7	1,1-Dichloro-1,2,2-trifluoropropane	-	●		
		33188	338-75-0	2,3-Dichloro-1,1,1-trifluoropropane	C <sub>3</sub> H <sub>3</sub> Cl <sub>2</sub> F <sub>3</sub>	●		
		33189	460-69-5	3,3-Dichloro-1,1,1-trifluoropropane	C <sub>3</sub> H <sub>3</sub> Cl <sub>2</sub> F <sub>3</sub>	●		
		33190	679-85-6	3-Chloro-1,1,2,2-tetrafluoropropane	-	●		
		33191	421-75-0	1-Chloro-1,1,2,2-tetrafluoropropane	-	●		
		33192	818-99-5	1,1,3-Trichloro-1-fluoropropane	-	●		
		33193	421-41-0	1,1,2-Trichloro-1-fluoropropane	-	●		
		33194	819-00-1	1,3-Dichloro-1,1-difluoropropane	C <sub>3</sub> H <sub>4</sub> Cl <sub>2</sub> F <sub>2</sub>	●		
		33195	460-35-5	3-Chloro-1,1,1-trifluoropropane	C <sub>3</sub> H <sub>4</sub> ClF <sub>3</sub>	●		
		33196	7799-56-6	1,1-Dichloro-1-fluoropropane	C <sub>3</sub> H <sub>5</sub> Cl <sub>2</sub> F	●		
		33197	420-97-3	1,2-Dichloro-2-fluoro-propane	C <sub>3</sub> H <sub>5</sub> Cl <sub>2</sub> F	●		
		33198	420-99-5	1-Chloro-2,2-difluoropropane	C <sub>3</sub> H <sub>5</sub> ClF <sub>2</sub>	●		
		33199	102738-79-4	2-Chloro-1,3-difluoropropane	-	●		
		33200	421-02-03	1-Chloro-1,1-difluoropropane	-	●		
		33201	420-44-0	2-Chloro-2-fluoropropane	-	●		
		33202	430-55-7	1-Chloro-1-fluoropropane	-	●		
		33024	75-43-4	HCFC-21	CHFCl <sub>2</sub>	●		
		33025	75-45-6	HCFC-22	CHF <sub>2</sub> Cl	●		
		33026	593-70-4	HCFC-31	CH <sub>2</sub> FCI	●		
		33027	354-11-0	HCFC-121	C <sub>2</sub> HFCl <sub>4</sub>	●		
		33104	134237-32-4	HCFC-121		●		
		33028	41834-16-6	HCFC-122	C <sub>2</sub> HF <sub>2</sub> Cl <sub>3</sub>	●		
		33029	306-83-2	HCFC-123	C <sub>2</sub> HF <sub>3</sub> Cl <sub>2</sub>	●		
		33030	354-25-6	HCFC-124	C <sub>2</sub> HF <sub>4</sub> Cl	●		
		33105	2837-89-0	HCFC-124	CHClFCF <sub>3</sub>	●		
		33031	27154-33-2	HCFC-131	C <sub>2</sub> H <sub>2</sub> FCl <sub>3</sub>	●		
		33106	134237-34-6	HCFC-131		●		
		33032	25915-78-0	HCFC-132	C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> Cl <sub>2</sub>	●		
		33033	75-88-7	HCFC-133	C <sub>2</sub> H <sub>2</sub> F <sub>3</sub> Cl	●		
		33034	430-57-9	HCFC-141	C <sub>2</sub> H <sub>3</sub> FCl <sub>2</sub>	●		
		33035	1717-00-6	HCFC-141b	CH <sub>3</sub> CFCl <sub>2</sub>	●		
		33036	25497-29-4	HCFC-142	C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> Cl	●		
		33037	75-68-3	HCFC-142b	CH <sub>3</sub> CF <sub>2</sub> Cl	●		

[ANNEX3]

LIST OF CONTAINED CHEMICAL SUBSTANCES (THE 5TH EDITION)

FDK Classification

1: Unconditionally Banned

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FDK Substance group No.	Substance group	FDK Substance No.	CAS №	Substance	Chemical formula	FDK Classification		
						1	2	3
		33038	1615-75-4	HCFC-151	C <sub>2</sub> H <sub>4</sub> FCI	●		
		33039	134237-35-7	HCFC-221	C <sub>3</sub> HFCL <sub>6</sub>	●		
		33040	134237-36-8	HCFC-222	C <sub>3</sub> HF <sub>2</sub> Cl <sub>5</sub>	●		
		33041	134237-37-9	HCFC-223	C <sub>3</sub> HF <sub>3</sub> Cl <sub>4</sub>	●		
		33042	134237-38-0	HCFC-224	C <sub>2</sub> HF <sub>4</sub> Cl <sub>3</sub>	●		
		33043	431-86-7	HCFC-225	C <sub>3</sub> HF <sub>3</sub> Cl <sub>2</sub>	●		
		33044	422-56-0	HCFC-225ca	CF <sub>3</sub> CF <sub>2</sub> CHCl <sub>2</sub>	●		
		33045	507-55-1	HCFC-225cb	CF <sub>3</sub> CICF <sub>2</sub> CHCIF	●		
		33046	134308-72-8	HCFC-226	C <sub>2</sub> HF <sub>6</sub> Cl	●		
		33047	134190-48-0	HCFC-231	C <sub>3</sub> H <sub>2</sub> FCl <sub>5</sub>	●		
		33048	134237-39-1	HCFC-232	C <sub>3</sub> H <sub>2</sub> F <sub>2</sub> Cl <sub>4</sub>	●		
		33049	134237-40-4	HCFC-233	C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>	●		
		33050	127564-83-4	HCFC-234	C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>	●		
		33051	134237-41-5	HCFC-235	C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Cl	●		
		33052	134190-49-1	HCFC-241	C <sub>3</sub> H <sub>3</sub> FCl <sub>4</sub>	●		
		33053	134237-42-6	HCFC-242	C <sub>3</sub> H <sub>3</sub> F <sub>2</sub> Cl <sub>3</sub>	●		
		33054	134237-43-7	HCFC-243	C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> Cl <sub>2</sub>	●		
		33055	134190-50-4	HCFC-244	C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Cl	●		
		33056	134190-51-5	HCFC-251	C <sub>3</sub> H <sub>4</sub> FCl <sub>3</sub>	●		
		33057	134190-52-6	HCFC-252	C <sub>3</sub> H <sub>4</sub> F <sub>2</sub> Cl <sub>2</sub>	●		
		33058	134237-44-8	HCFC-253	C <sub>3</sub> H <sub>4</sub> F <sub>3</sub> Cl	●		
		33059	134237-45-9	HCFC-261	C <sub>3</sub> H <sub>5</sub> FCl <sub>2</sub>	●		
		33060	134190-53-7	HCFC-262	C <sub>3</sub> H <sub>5</sub> F <sub>2</sub> Cl	●		
		33061	134190-54-8	HCFC-271	C <sub>3</sub> H <sub>6</sub> FCl	●		
25	Radioactive substances	35001		Americium	Am	●		
		35002		Uranium	U	●		
		35003		Thorium	Th	●		
		35004		Plutonium	Pu	●		
		35005		Radon	Rn	●		
		35006	7440-46-2	Cesium	Cs	●		
		35007	7440-24-6	Strontium	Sr	●		
		35008	14596-10-2	Americium-241	Am-241	●		
		35009	10045-97-3	Cesium-137	Cs-137	●		
		35010	10098-97-2	Strontium-90	Sr-90	●		
		35999	—	Other radioactive substances	-	●		
26	Antimony and its compounds	36001	7440-36-0	Antimony	Sb			●
		36009	15432-85-6	Sodium antimonate	Na <sub>3</sub> O <sub>3</sub> Sb			●
		36031	1314-60-9	Antimony pentoxide	Sb <sub>2</sub> O <sub>5</sub>			●
		36035	10025-91-9	Antimony trichloride	SbCl <sub>3</sub>			●
		36036	1309-64-4	Antimony trioxide	Sb <sub>2</sub> O <sub>3</sub>			●
		36999	—	Other antimony compounds	-			●
27	Bismuth and its compounds	37001	7440-69-9	Bismuth	Bi			●
		37002	1304-76-3	Bismuth trioxide	Bi <sub>2</sub> O <sub>3</sub>			●
		37003	10361-44-1	Bismuth nitrate	BiN <sub>3</sub> O <sub>9</sub>			●
		37999	—	Other bismuth compounds	-			●
28	Chromium and its compounds (The hexavalent chromium is excluded)	38001	7440-47-3	Chromium	Cr			●
		38999	—	Other chromium compounds	-			●
29	Cobalt and its compounds	39001	7440-48-4	Cobalt	Co			●
		39004	7646-79-9	Cobalt chloride	CoCl <sub>2</sub>			●
		39999	—	Other cobalt compounds	-			●
30	Tin and its compounds	40001	7440-31-5	Tin	Sn			●
		40999	—	Other tin compounds	-			●
31	Selenium and its compounds	41001	7782-49-2	Selenium	Se			●
		41072	7783-00-8	Selenous acid	H <sub>2</sub> SeO <sub>3</sub>			●
		41085	7446-08-4	Seleniumdioxide	SeO <sub>2</sub>			●
		41999	—	Other selenium compounds	-			●
32	Tellurium and its compounds	42001	13494-80-9	Tellurium	Te			●
		42999	—	Other tellurium compounds	-			●
33	Thallium and its compounds	43001	2440-28-0	Thallium	Tl			●
		43999	—	Other thallium compounds	-			●

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						1	2	3
34	Zinc and its compounds (Water solubility)	44001	7440-66-6	Zinc	Zn			●
		44999	—	Other zinc compounds	-			●
35	Silver and its compounds	45001	7440-22-4	Silver	Ag			●
		45999	—	Other silver compounds	-			●
36	Copper and its compounds	46001	7440-50-8	Copper	Cu			●
		46999	—	Other copper compounds	-			●
37	Vanadium and its compounds	47001	7440-62-2	Vanadium	V			●
		47999	—	Other vanadium compounds	-			●
38	Barium and its compounds (Water solubility)	48001	7440-39-3	Barium	Ba			●
		48999	—	Other barium compounds	-			●
39	Manganese and its compounds	49001	7439-96-5	Manganese	Mn			●
		49999	—	Other manganese compounds	-			●
40	Molybdenum and its compounds	50001	7439-98-7	Molybdenum	Mo			●
		50999	—	Other molybdenum compounds	-			●
41	Lithium and its compounds	51001	7439-93-2	Lithium	Li			●
		51999	—	Other lithium compounds	-			●
43	Boron and its compounds	53035	10043-35-3	Boric acid	H3BO3			●
		53068	1330-43-4	Sodium tetraborate	Na2B4O7			●
		53069	1303-96-4	Sodium tetraborate decahydrate	Na2B4O7·10H2O			●
		53087	11113-50-1	Boric acid	BH3O3			●
		53088	12179-04-3	Disodium tetraborate, anhydrous	B4H10Na2O12			●
		53089	12267-73-1	Tetraboron disodium heptaoxide, hydrate	B4H14Na2O8-12			●
		53999	-	Other boron compounds	-			●
44	Phthalates	54001	84-74-2	Dibutylphthalate	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>			●
		54002	117-81-7	Di(2-ethylhexyl)phthalate	C <sub>24</sub> H <sub>38</sub> O <sub>4</sub>			●
		54003	28553-12-0	Diisononyl phthalate	C <sub>24</sub> H <sub>38</sub> O <sub>4</sub>			●
		54004	26761-40-0	1,2-Benzenedicarboxylic acid diisodecyl ester	C <sub>28</sub> H <sub>46</sub> O <sub>4</sub>			●
		54005	85-68-7	Butyl benzyl phthalate	C <sub>19</sub> H <sub>20</sub> O <sub>4</sub>			●
		54006	117-84-0	Diocetylphthalate	(C <sub>6</sub> H <sub>4</sub> )(COO(CH <sub>2</sub> ) <sub>7</sub> CH <sub>3</sub> ) <sub>2</sub>			●
		54007	68515-49-1	Diisodecyl phthalate (DIDP)	-			●
		54008	84-69-5	Diisobutyl phthalate (DIBP)	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>			●
		54009	68515-48-0	Diisononyl phthalate (DINP)	C <sub>26</sub> H <sub>42</sub> O <sub>4</sub>			●
		54999	—	Other phthalate	-			●
46	HFCs, PFCs, SF6	56001	431-89-0	1,1,1,2,3,3,3-heptafluoropropane	HFC-236cb			●
		56002	138495-42-8	1,1,1,2,3,4,4,5,5,5,-decafluoropentane	HFC-43-10mee			●
		56003	811-97-2	1,1,1,2-tetrafluoroethane	HFC-134a			●
		56004	690-39-1	1,1,1,3,3,3-hexafluoropropane	HFC-236fa			●
		56005	420-46-2	1,1,1-trifluoroethane	HFC-143a			●
		56006	679-86-7	1,1,2,2,3-pentafluoropropane	HFC-245ca			●
		56007	359-35-3	1,1,2,2-tetrafluoroethane	HFC-134			●
		56008	430-66-0	1,1,2-trifluoroethane	HFC-143a			●
		56009	75-37-6	1,1-difluoroethane	HFC-152a			●
		56010	75-10-5	Difluoromethane	HFC-32			●
		56011	75-46-7	Trifluoromethane	HFC-23			●
		56012	593-53-3	Fluoromethane	HFC-41			●
		56013	354-33-6	Pentafluoroethane	HFC-125			●
		56014	75-73-0	Perfluoromethane	PFC-14			●
		56015	76-16-4	Perfluoroethane	PFC-116			●
		56016	76-19-7	Perfluoropropane	PFC-218			●
		56017	355-25-9	Perfluorobutane	PFC-31-10			●
		56018	115-25-3	Perfluorocyclobutane	PFC-c318			●
		56019	678-26-2	Perfluoropentane	PFC-41-12			●
		56020	355-42-0	Perfluorohexanes	PFC-51-14			●
		56021	2551-62-4	Sulphur hexafluoride	SF6			●
		56025	677-56-5	1,1,1,2,2,3-Hexafluoro-propane	HFC-236cb			●
		56026	431-63-0	1,1,1,2,3,3-Hexafluoropropane	HFC-236ea			●
56027	460-73-1	1,1,1,3,3-Pentafluoropropane	HFC-245fa			●		

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						1	2	3
		56028	406-58-6	1,1,1,3,3-Pentafluorobutane	HFC-365mfc			●
47	Other surveillance substances	31014	1910-42-5	1,1'-Dimethyl-4,4'-bipyridinium Dichloride	C <sub>12</sub> H <sub>14</sub> Cl <sub>2</sub> N <sub>2</sub>			●
		57003	1806-26-4	4-Octylphenol	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>7</sub> C <sub>6</sub> H <sub>4</sub> OH			●
		57009	103-23-1	Bis(2-ethylhexyl) Adipate	[C <sub>16</sub> H <sub>34</sub> COOCH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )CH <sub>2</sub> ] <sub>2</sub>			●
		57038	115-86-6	Triphenylphosphate	(C <sub>6</sub> H <sub>5</sub> O) <sub>3</sub> PO			●
		57045	80-05-7	Bisphenol-A	C <sub>15</sub> H <sub>16</sub> O <sub>2</sub>			●
		57058	119-61-9	Benzophenone	(C <sub>6</sub> H <sub>5</sub> )CO(C <sub>6</sub> H <sub>5</sub> )			●
		57067	—	Mineral fiber which diameter is under 3µm	-			●
		57068	7439-95-4	Magnesium	Mg			●
		57069	—	Other magnesium compounds	-			●
		57070	7791-03-9	Lithium perchlorate	-			●
		57071	—	Other perchlorate compounds	-			●
		57072	EC 650-017-00-8	Refractory Ceramic Fibers, Aluminiumsilicate	-			●
		57073	EC 650-017-00-8	Refractory Ceramic Fibers, Aluminiumsilicate	-			●
		57074	115-96-8	Tris (2-chloroethyl) phosphate(TCEP)	-			●
		57075	120-12-7	Anthracene	-			●
		57076	81-15-2	5-tert-butyl-2,4,6-trinitro-m-xylene	-			●
		57077	90640-80-5	Anthracene oil	-			●
		57078	91995-17-4	Anthracene oil, anthracene paste, distn.lights	-			●
		57079	91995-15-2	Anthracene oil, anthracene paste, anthracene fraction	-			●
		57080	90640-82-7	Anthracene oil, anthracene-low	-			●
57081	90640-81-6	Anthracene oil, anthracene paste	-			●		
57082	65996-93-2	Pich, coal tar, hight temp.	-			●		
57083	121-14-2	2,4-Dinitrotoluene	-			●		
48	Gold and its compounds	58001	7440-57-5	Gold	Au			●
		58999	—	Other gold compounds	-			●
49	Palladium and its compounds	59001	7440-05-3	Palladium				●
		59999	—	Other palladium compounds	-			●
50	Brominated flame retardants	32048	21850-44-2	Tetrabromobisphenol-A-bis-(2,3-dibromopropylether)				●
		57036	79-94-7	3,5,3',5'-Tetrabromo-bisphenol A	C <sub>15</sub> H <sub>12</sub> Br <sub>4</sub> O <sub>2</sub>			●
		60001	69882-11-7	Poly(2,6-dibromo-phenylene oxide)	(C <sub>6</sub> H <sub>2</sub> Br <sub>2</sub> O) <sub>x</sub>			●
		60002	58965-66-5	Tetra-decabromo-diphenoxy-benzene	C <sub>18</sub> Br <sub>14</sub> O <sub>2</sub>			●
		60003	37853-59-1	1,2-Bis(2,4,6-tribromophenoxy)ethane	C <sub>14</sub> H <sub>8</sub> Br <sub>6</sub> O <sub>2</sub>			●
		60004	30496-13-0	TBBA, unspecified	-			●
		60005	40039-93-8	TBBA-epichlorhydrin oligomer	(C <sub>15</sub> H <sub>12</sub> Br <sub>4</sub> O <sub>2</sub> .C <sub>3</sub> H <sub>5</sub> ClO) <sub>x</sub>			●
		60006	70682-74-5	TBBA-TBBA-diglycidyl-ether oligomer				●
		60007	28906-13-0	TBBA carbonate oligomer	(C <sub>15</sub> H <sub>12</sub> Br <sub>4</sub> O <sub>2</sub> .CCl <sub>2</sub> O) <sub>x</sub>			●
		60008	94334-64-2	TBBA carbonate oligomer, phenoxy end capped	(C <sub>7</sub> H <sub>5</sub> O <sub>2</sub> )(C <sub>16</sub> H <sub>10</sub> Br <sub>4</sub> O <sub>3</sub> ) <sub>x</sub> (C <sub>6</sub> H <sub>5</sub> O)			●
		60009	71342-77-3	TBBA carbonate oligomer, 2,4,6-tribromo-phenol terminated	(C <sub>7</sub> H <sub>2</sub> Br <sub>3</sub> O <sub>3</sub> )(C <sub>16</sub> H <sub>10</sub> Br <sub>4</sub> O <sub>3</sub> ) <sub>n</sub> (C <sub>6</sub> H <sub>2</sub> Br <sub>3</sub> )			●
		60010	32844-27-2	TBBA-bisphenol A-phosgene polymer	(C <sub>15</sub> H <sub>16</sub> O <sub>2</sub> .C <sub>15</sub> H <sub>12</sub> Br <sub>4</sub> O <sub>2</sub> .CCl <sub>2</sub> O) <sub>x</sub>			●
		60011	139638-58-7	Brominated epoxy resin end-capped with tribromophenol				●
		60012	135229-48-0	Brominated epoxy resin end-capped with tribromophenol				●
		60013	21850-44-2	TBBA-(2,3-dibromo-propyl-ether)	C <sub>21</sub> H <sub>20</sub> Br <sub>8</sub> O <sub>2</sub>			●
		60014	4162-45-2	TBBA bis-(2-hydroxy-ethyl-ether)	C <sub>19</sub> H <sub>20</sub> Br <sub>4</sub> O <sub>4</sub>			●

## [ANNEX3]

## LIST OF CONTAINED CHEMICAL SUBSTANCES (THE 5TH EDITION)

## FDK Classification

1: Unconditionally Banned

2: Conditionally Banned

3: Monitored

FDK Substance group No.	Substance group	FDK Substance No.	CAS №	Substance	Chemical formula	FDK Classification		
						1	2	3
		60015	25327-89-3	TBBA-bis-(allyl-ether)	C <sub>21</sub> H <sub>20</sub> Br <sub>4</sub> O <sub>2</sub>			●
		60016	37853-61-5	TBBA-dimethyl-ether	C <sub>17</sub> H <sub>16</sub> Br <sub>4</sub> O <sub>2</sub>			●
		60017	39635-79-5	Tetrabromo-bisphenol S	C <sub>12</sub> H <sub>6</sub> Br <sub>4</sub> O <sub>4</sub> S			●
		60018	42757-55-1	TBBS-bis-(2,3-dibromo-propyl-ether)	C <sub>18</sub> H <sub>14</sub> Br <sub>8</sub> O <sub>4</sub> S			●
		60019	615-58-7	2,4-Dibromo-phenol	C <sub>6</sub> H <sub>4</sub> Br <sub>2</sub> O			●
		60020	118-79-6	2,4,6-tribromo-phenol	C <sub>6</sub> H <sub>3</sub> Br <sub>3</sub> O			●
		60021	608-71-9	Pentabromo-phenol	C <sub>6</sub> HBr <sub>5</sub> O			●
		60022	3278-89-5	2,4,6-Tribromo-phenyl-alltl-ether	C <sub>9</sub> H <sub>7</sub> Br <sub>3</sub> O			●
		60023	26762-91-4	Tribromo-phenyl-allyl-ether,unspecified	C <sub>9</sub> H <sub>7</sub> Br <sub>3</sub> O			●
		60024	3194-55-6	Hexabromo-cyclo-dodecane (HBCD),unspecified	C <sub>12</sub> H <sub>18</sub> Br <sub>6</sub>			●
		60025	31454-48-5	Tetrabromo-chyco-octane	C <sub>8</sub> H <sub>12</sub> Br <sub>4</sub>			●
		60026	3322-93-8	1,2-Dibromo-4-(1,2 dibromo-methyl)-cyclo-hexane	C <sub>8</sub> H <sub>12</sub> Br <sub>4</sub>			●
		60027	25357-79-3	TBPA Na salt	C <sub>8</sub> Br <sub>4</sub> O <sub>4</sub> Na <sub>2</sub>			●
		60028	632-79-1	Tetrabromo phthalic anhydride	C <sub>8</sub> Br <sub>4</sub> O <sub>3</sub>			●
		60029	55481-60-2	Bis(methyl)tetrabromo-phtalate	C <sub>10</sub> H <sub>6</sub> Br <sub>4</sub> O <sub>4</sub>			●
		60030	26040-51-7	Bis(2-ethylhexyl)tetrabromo-phtalate	C <sub>24</sub> H <sub>34</sub> Br <sub>4</sub> O <sub>4</sub>			●
		60031	20566-35-2	2-Hydroxy-propyl-2-(2-hydroxy-ethoxy)-ethyl-TBP	C <sub>15</sub> H <sub>16</sub> Br <sub>4</sub> O <sub>7</sub>			●
		60032	75790-69-1	TBPA, glycol-and propylene-oxide				●
		60033	32588-76-4	N,N'-Ethylene -bis-(tetrabromo-phthalimide)	C <sub>18</sub> H <sub>4</sub> Br <sub>8</sub> N <sub>2</sub> O <sub>4</sub>			●
		60034	52907-07-0	Ethylene-bis85,6-dibromo-norbornane-2,3-dicarboximide)	C <sub>20</sub> H <sub>20</sub> Br <sub>4</sub> N <sub>2</sub> O <sub>4</sub>			●
		60035	3234-02-4	2,3-Dibromo-2-butene-1,4-diol	C <sub>4</sub> H <sub>6</sub> Br <sub>2</sub> O <sub>2</sub>			●
		60036	3296-90-0	Dibromo-neopentyl-glycol	C <sub>5</sub> H <sub>10</sub> Br <sub>2</sub> O <sub>2</sub>			●
		60037	96-13-9	Dibromo-propanol	C <sub>3</sub> H <sub>6</sub> Br <sub>2</sub> O			●
		60038	36483-57-5	Tribromo-neopentyl-alcohol	C <sub>5</sub> H <sub>9</sub> Br <sub>3</sub> O			●
		60039	57137-10-7	Poly tribromo-styrene				●
		60040	61368-34-1	Tribromo-styrene	C <sub>8</sub> H <sub>3</sub> Br <sub>3</sub>			●
		60041	171091-06-8	Dibromo-styrene grafted PP				●
		60042	31780-26-4	Poly-dibromo-styrene	C <sub>8</sub> H <sub>6</sub> Br <sub>2</sub>			●
		60043	68955-41-9	Bromo-/Chloro-paraffins				●
		60044	82600-56-4	Bromo-/Chloro-alpha-olefin				●
		60045	593-60-2	Vinylbromide	C <sub>2</sub> H <sub>3</sub> Br			●
		60046	52434-90-9	Tris-(2,3-dibromo-propyl)-isocyanurate	C <sub>12</sub> H <sub>15</sub> Br <sub>6</sub> N <sub>3</sub> O <sub>3</sub>			●
		60047	49690-63-3	Tris(2,4-Dibromo-phenyl) phosphate	C <sub>18</sub> H <sub>9</sub> Br <sub>6</sub> O <sub>4</sub> P			●
		60048	19186-97-1	Tris(tribromo-neopentyl) phosphate	C <sub>15</sub> H <sub>24</sub> Br <sub>9</sub> O <sub>4</sub> P			●
		60049	125997-20-8	Chlorinated and brominated phosphate ester	-			●
		60050	87-83-2	Pentabromo-toluene	C <sub>7</sub> H <sub>3</sub> Br <sub>5</sub>			●
		60051	38521-51-6	Pentabromo-benzyl bromide	C <sub>7</sub> H <sub>2</sub> Br <sub>6</sub>			●
		60052	68441-46-3	1,3-Butadiene homopolymer, brominated	-			●
		60053	59447-55-1	Pentabromo-benzyl-acrylate, monomer	C <sub>10</sub> H <sub>5</sub> Br <sub>5</sub> O <sub>2</sub>			●
		60054	59447-57-3	Pentabromo-benzyl-acrylate, polymer	(C <sub>10</sub> H <sub>5</sub> Br <sub>5</sub> O <sub>2</sub> )x			●
		60055	61262-53-1	Decabromo-diphenyl-ethane	C <sub>14</sub> H <sub>4</sub> Br <sub>10</sub> O <sub>2</sub>			●
		60056	59789-51-4	Tribromo-bisphenyl-maleinimide	C <sub>10</sub> H <sub>4</sub> Br <sub>3</sub> NO <sub>2</sub>			●
		60057	59789-51-4	Brominated trimethylphenyl-lindane	-			●
		60058	84852-53-9	1,2-Bis(pentabromphenyl)ethan	-			●
		60059	155613-93-7	Octabromo-1,1,3-trimethyl-1-phenylindane (FR-1808)	-			●

## [ANNEX3]

## LIST OF CONTAINED CHEMICAL SUBSTANCES (THE 5TH EDITION)

## FDK Classification

1: Unconditionally Banned

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FDK Substance group No.	Substance group	FDK Substance No.	CAS №	Substance	Chemical formula	FDK Classification		
						1	2	3
		60060	-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(14) [Aliphatic/alicyclic brominated compounds]	-			●
		60061	-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(15) [Aliphatic/alicyclic brominated compounds in combination with antimony compounds]	-			●
		60062	-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(16) [Aromatic brominated compounds excluding brominated diphenyl ether and biphenyls]	-			●
		60063	-	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]	-			●
		60064	-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(22) [Aliphatic/alicyclic chlorinated and brominated compounds]	-			●
		60065	-	Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(42) [Brominated organic phosphorus compounds]	-			●
		60066	25637-99-4	Hexabromocyclododecane (HBCDD)	C <sub>12</sub> H <sub>18</sub> Br <sub>6</sub>			●
		60067	134237-50-6	α-hexabromocyclododecane	-			●
		60068	134237-51-7	β-hexabromocyclododecane	-			●
		60069	134237-52-8	γ-hexabromocyclododecane	-			●
		60999	—	Other Brominated Flame Retardants	-			●

## RELATED LAWS AND REGULATIONS OF CONTAINED CHEMICAL SUBSTANCES

FDK substance group No.	Substance group	FDK Classification level	CAS №	Banned substance	Relating the main regulations system etc.
1	Cadmium and its compounds	conditionally banned			Statutory Order 1199 of December 23,1992 on the prohibition of sale,importation,and manufacture of cadmium-containing products(Denmark) , 2002/95/EC(EU/RoHS) , 2006/66/EC , Regulations on heavy metals in packaging(US)
2	Lead and its compounds	conditionally banned			2000/53/EC (EU/ELV) , 2002/95/EC (EU/RoHS) , 2006/66/EC , Regulations on heavy metals in packaging(US)
		unconditionally banned	78-00-2	Tetraethyl Lead	Poisonous and Deleterious Substances Control Law (Japan)
		unconditionally banned	75-74-1	Tetramethyl Lead	
3	Mercury and its compounds	conditionally banned			2000/53/EC (EU/ELV) , 2002/95/EC (EU/RoHS) , 2006/66/EC , Regulations on heavy metals in packaging(US)
4	Chromium VI and its compound	conditionally banned			2000/53/EC (EU/ELV) , 2002/95/EC (EU/RoHS) , Regulations on heavy metals in packaging(US)
5	Arsenic and its compounds	conditionally banned			76/769/EEC , 89/677/EEC , Law Concerning Reporting, etc. of Releases to the Environment of Specific chemical Substances and Promoting Improvements in their Management(PRTR Law) (Japan)
7	Nickel and the compound The alloy (The example: stainless steel) is excluded	conditionally banned			76/769/EEC , PRTR Law(Japan)
8	Specific, organic tin compound	unconditionally banned	56-35-9	Bis (tributyl tin) oxide	The Law concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances (Japan)
		unconditionally banned		TBT's,TPT's	The Law concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances (Japan)
9	Organotin compound	unconditionally banned	13121-70-5	Tricyclohexyltin hydroxide	Export Trade Control Ordinance (Japan)
10	Organophosphorus compound	unconditionally banned	13171-21-6	Dimethyl-(diethylamido-1-chlorocrotonyl) phosphate	Poisonous and Deleterious Substances Control Law (Japan)
			56-38-2	Diethyl-paranitrophenyl-thiophosphate	
			8022-00-2	Diethyl-paranitrophenyl-thiophosphate	
			298-00-0	Dimethylparanitrophenyl thiophosphate	
			107-49-3	Tetraethyl Pyrophosphate	
11	PCBs , PCTs	unconditionally banned			76/769/EEC , The Law concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances (Japan)
12	Polychlorinated Naphthalenes (Cl $\geq$ 3)	unconditionally banned			The Law concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances (Japan)
13	Chlorinated paraffine (C10-13)	unconditionally banned	85535-84-8	Chlorinated paraffine (C10-13)	76/769/EEC(+2002/45/EC) , Dioxin Ordinance(Germany)
14	Polybrominated biphenyls (PBBs) , Polybrominated diphenyl ethers (PBDEs)	conditionally banned		(PBBs) (PBDEs)	2002/95/EC (EU/RoHS) , Dioxin Ordinance(Germany)
15	Asbestos types	unconditionally banned			76/769/EEC(+91/659/EEC) , The Law on Industrial Safety and Hygiene (Japan)
16	Azo compounds (Amines specified by EU directives, Chemical Examination Law (Japan), etc.)	unconditionally banned	15017-02-4	N,N'-ditolyl-p-phenylenediamine	76/769/EEC(+2002/61/EC, +2003/3/EC) , Consumer Goods Ordinance(Germany)
			91-59-8	2-naphthylamine	The Law on Industrial Safety and Hygiene(Japan)
			92-67-1	4-aminodiphenyl	
			92-93-3	4-nitorodiphenyl	
			92-87-5	Benzidine	
		conditionally banned			76/769/EEC(+2002/61/EC, +2003/3/EC) , Consumer Goods Ordinance(Germany)
18	Chlordane	unconditionally banned			The Law concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances (Japan)
19	Fluoroacetic Acid	unconditionally banned			Poisonous and Deleterious Substances Control Law (Japan)
21, 22	Other unconditional prohibition substances	unconditionally banned			The Law concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances (Japan) , Poisonous and Deleterious Substances Control Law (Japan) , Export Trade Control Ordinance(Japan) , TSCA(USA)
22	Other conditional prohibition substances	conditionally banned	9002-86-2	Poly vinyl chloride (PVC)	As an FDK's self-regulatory substance
			50-00-0	Formaldehyde	PRTR Law (Japan)
				PFOS	76/769/EEC(+2006/122/EC)
23	Ozone-depleting substances (Substances cited by the Montreal Protocol)	unconditionally banned		A Group I , II / B Group I , II ,III C Group I , II ,III / E	Montreal Protocol , The Law concerning the protection of the ozone layer through the control of spesified substances and other measures(Japan)
25	Radioactive substances	unconditionally banned			Law for the Regulation of Nuclear Source Material,Nuclear Fuel Material,and Reactors,1986(Japan)