

Appendix (1) List of Controlled Chemical Substances

- Regulations
- Banned substances:
(Substances only applicable for specific purposes, and substances whose use and manufacturing require approval and registration, including those substances whose intentional addition is prohibited)
 - △ Substances usable up to a certain threshold
 - Substances whose name need to be displayed, and whose manufacturer and the amount to be imported must be known and disclosed (displayed).
 - ◎ Applicable foreign regulations

The above comments are only a summary; please refer to each specific regulation for details.

- Regulations referenced
- ① The Law concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances (Japanese Law), ("The Chemical Substances Control Law")
 - ② Industrial Safety and Health Act (Japanese Law)
 - ③ Poisonous and Deleterious Substances Control Act (Japanese Law)
 - ④ Act on the Protection of the Ozone Layer through the Regulation of Designated Substances and Other Measures (Japanese Law) ("the Ozone Layer Protection Act")
 - ⑤ Restriction of Hazardous Substances Directive (RoHS)
 - ⑥ German Chemical Ban Regulation
 - ⑦ German regulations on daily necessities
 - ⑧ Clean Air Act (US)
 - ⑨ Montreal Protocol
 - ⑩ Stockholm Convention on Persistent Organic Pollutants (POPs)
 - ⑪ PFOS Restriction
 - ⑫ EU76/769/EEC Marketing Restrictions Directive

Revised edition, 1 October 2009

Amada No.	物質群・物質名 Substance/ Category	CAS No. (* is the CAS representative number. See appendix (2) for details.)	Example applications	Level of Ban	Target Date for Total Abolition	Regulations referenced												Remarks		
						①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫			
1	カドミウム及びその化合物 Cadmium/Cadmium compounds	* 7440-43-9	Plastic pigments, batteries Electrical contacts/brazing filler alloys Semiconductors, vinyl chloride stabilizers, packaging materials Paints, inks, plating surface treatments	II	Specified Separately		○			△	◎							◎	Use within regulation (threshold) is acceptable.	
2	六価クロム及びその化合物 Hexavalent/Hexavalent compounds	* 10588-01-9	Plastic pigments/stabilizers Catalysts, packaging materials, inks, paints Zinc chromate platings Chromium oxidation treatments	II	Specified Separately		○			△									◎	Use within regulation (threshold) is acceptable.
3	鉛及びその化合物 Lead/Lead compounds	* 7439-92-1	Accumulator batteries, wire sheathing, lead soldering Solder plating surface treatments Glass, paints, packaging materials	II	Specified Separately		○			△	◎								◎	Use within regulation (threshold) is acceptable.
4	水銀及びその化合物 Mercury/Mercury compounds	* 7439-97-6	Dry batteries, fluorescent bulbs, thermometers Relay packages, pigments, paints Inks, electrical contact materials High efficiency light emitters (LEDs)	II	Specified Separately		○			△									◎	Use within regulation (threshold) is acceptable.
5	ポリ臭化ビフェニール(PBB類) Polybrominated biphenyls (PBBs)	59536-65-1	Fire retardant	II	Specified Separately					△	◎								◎	Use within regulation (threshold) is acceptable.
6	ポリ臭化ジフェニルエーテル(PBDE類) Polybrominated diphenyl ethers (PBDEs)	* 1163-19-5	Fire retardant	II	Specified Separately					△	◎								◎	Use within regulation (threshold) is acceptable.

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7	ジ-μ-オキソジ-n-ブチル-スタニオヒドロキシボラン(DBB) Di-[mu]-oxo-di-n-butylstanniohydroxyborane(DBB)	75113-37-0		I	Same Day						◎						◎	Other particular chemicals
8	トリブチルスズ類(TBT類)・トリフェニルスズ類(TPT類) Tributyltin(TBTs)/Triphenyltin(TPTs)	* 1803-12-9	Catalysts, vinyl chloride stabilizers Pigments, antiseptics (preservatives)	I	Same Day	●					◎						◎	
9	ポリ塩化ビフェニル(PCB類) Polychlorinated biphenyls (PCBs)	1336-36-3	Old-type transformers, thermal catalysts Non-carbon copy paper, electric (insulating) oils Transformer oils	I	Same Day	●	◎				◎					◎	◎	
10	ポリ塩化トリフェニル類(PCTs) Polychlorinated terphenyls (PCTs)	61788-33-8	Electrical insulator/Electric (insulating) oil/Thermal catalyst (heat transfer medium)	I	Same Day						◎						◎	Other particular chemicals
11	ポリ塩化ナフタレン(PCN) (塩素数3以上) Polychlorinated naphthalenes (more than 3 chlorine atoms)	* 70776-03-3	Plastic stabilizers Electrical insulation catalyst, Lubricating oil Insecticide, antiseptics (preservatives)	I	Same Day	●					◎							
12	短鎖型塩化パラフィン・塩化パラフィン(CP) Short chain chlorinated paraffins /Chlorinated paraffins(CP)	85535-84-8	Polyvinyl chloride plasticizer Fire retardant	I	Same Day						◎		◎				◎	Other particular chemicals
13	アスベスト類 Asbestos	* 1332-21-4	Friction material, gasket material, adiabatic material, heat-retention material, brake lining	I	Same Day		●				◎						◎	
14	ダイオキシン類 Dioxins	* 828-00-2	Unintentionally created chemical substances	I	Same Day						◎					◎		Other particular chemicals
15	オゾン層破壊物質 Ozone-depleting substances	* Montreal Protocol Exhibit A-E	Refrigerant, foaming agent, abstergent (cleaning agent)	I	Same Day		○		●			◎	◎					
16	特定アミンを形成するアゾ化合物 Azocolourants and azodyes which form certain aromaticamines	* 60-09-3	Wire coating material (pigment, dye stuff, artificial color)	I	Same Day											◎	◎	Other particular chemicals
17	4-アミノジフェニル及びその塩 4-aminodiphenyl and its chlorides	92-67-1		I	Same Day		●				◎	◎					◎	
18	ベンジジン及びその塩 Benzidine and its chlorides	92-87-5		I	Same Day		●				◎						◎	
19	N,N'-ジトリル-p-フェニレンジアミン、N-トリル-N'キシリル-p-フェニレンジアミン又はN,N'-ジキシリル-p-フェニレンジアミン N,N'-Ditolyl-p-phenylenediamine, N-tolyl-N'-xylyl-p-phenylenediamine, or N,N'-dixylyl-p-phenylenediamine	* 27417-40-9	Rubber antioxidant	I	Same Day	●					◎							
20	ヘキサクロロベンゼン Hexachlorobenzene	118-74-1	Insecticide, antifoulant	I	Same Day	●					◎					◎		

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21	2, 4, 6-トリターシャリーブチルフェノール 2,4,6-tri-tert-butylphenol	732-26-3	Antioxidant	I	Same Day	●	○										◎		
22	クロルデン類(ヘプタクロル) Chlordanes(Heptachlor)	* 57-74-9	Insecticide, insect repellent	I	Same Day	●						◎					◎		
23	アルドリン Aldrin	309-00-2	Wood antiseptics, insecticides, and fungicides	I	Same Day	●						◎					◎		
24	エンドリン Endrin	72-20-8	Insecticide, insect repellent	I	Same Day	●						◎					◎		
25	ディルドリン Dieldrin	60-57-1	Wood antiseptics, insecticides, and fungicides	I	Same Day	●						◎					◎		
26	1, 1, 1-トリクロロ-2, 2-ビスエタン(DDT) 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane(DDT)	789-02-6	Wood preservative, insect repellents, Insecticides	I	Same Day	●						◎					◎		
27	トキサフェン Toxaphene	8001-35-2		I	Same Day	●						◎					◎		
28	マイレックス Mirex	2385-85-5	Insecticide, Fire retardant	I	Same Day	●						◎					◎		
29	ベンゼン Benzene	71-43-2	Rubber cements containing more than 5% abstergent(cleaning agent)	I	Same Day		●					◎						◎	
30	黄燐 Yellow phosphorus	12185-10-3	Yellow phosphorus matches	I	Same Day		●												
31	4-ニトロジフェニール及びその塩 4-nitrobiphenyl and its chlorides	92-93-3	Synthetic intermediate	I	Same Day		●					◎						◎	
32	ビス(クロロメチル)エーテル Bis(chloromethyl) ether	542-88-1	Insecticide, insect repellent	I	Same Day		●												
33	クロロエチレン(モノマー) (塩化ビニル(モノマー)) Chloroethylene(monomer) ((Vinyl chloride (monomer)))	75-01-4	Synthetic intermediate, synthetic resin, lead coating	I	Same Day							◎						◎	Other particular chemicals
34	ベーターナフチルアミン及びその塩 Beta-naphthylamine and its chlorides	91-59-8		I	Same Day		●					◎						◎	
35	モノメチルテトラクロロジフェニルメタン Monomethyl-tetrachlorodiphenyl methane	76253-60-6		I	Same Day							◎						◎	Other particular chemicals
36	モノメチルジクロロジフェニルメタン Monomethyl dichloro diphenyl methane			I	Same Day													◎	Other particular chemicals
37	ヘキサクロロエタン Hexachloroethane	67-55-6		I	Same Day													◎	Other particular chemicals
38	モノメチルジブロモジフェニルメタン Monomethyl-dibromo-diphenyl methane	99688-47-8		I	Same Day							◎						◎	Other particular chemicals

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39	オクタメチルピロホスホルアミド Octamethyl pyrophosphoramid	152-16-9	Not commercially available, as usage is banned	I	Same Day			●																	
40	四アルキル鉛 Tetraalkyllead	1762-26-1	Gasoline antiknock agent	I	Same Day			●																	
41	ジエチルパラニトロフェニルチオホスフェイト Dimethylparanitrophenyl thiophosphate	56-38-2	Insecticide	I	Same Day			●																	
42	ジメチルエチルメルカプトエチルチオホスフェイト Dimethylethylmercaptothylthio-phosphate	8022-00-2	Insecticide	I	Same Day			●																	
43	ジメチル-(ジエチルアミド-1-クロロクロトニル)-ホスフェイト Dimethyl-(diethylamido-1- chlorocrotonyl)-phosphate	13171-21-6	Not commercially available, as usage is banned	I	Same Day			●																	
44	ジメチルパラニトロフェニルチオホスフェイト Dimethyl-p-nitrophenylthiophosphate	298-00-0	Not commercially available, as usage is banned	I	Same Day			●																	
45	テトラエチルピロホスフェイト Tetraethylpyrophosphate	107-49-3	Not commercially available, as usage is banned	I	Same Day			●																	
46	モノフルオール酢酸 Monofluoroacetate	144-49-0	Expellant	I	Same Day			●																	
47	モノフルオール酢酸アミド Fluoroacetamide	640-19-7	Insecticide	I	Same Day			●																	
48	リン化アルミニウムとその分解促進剤 Aluminium phosphide and its accelerated degradation agent		Fumigant	I	Same Day			●																	
49	アルファ-ナフチルアミン及びその塩 Alpha-naphthylamine and its salts		Water and oil repellent treatment	I	Same Day		●																		
50	パーフルオロオクタンスルホン酸(PFOS)及びその塩、類縁化合物 Perfluorooctane sulfonate (PFOS), and its chlorides and related compounds		Material for fluororesin processing (water repellants, oil repellants, mold release agents, emulsifiers, surfactants), Clothing, coatings, semiconductor resistors, compound semiconductor etching agents, metal plating etc.	II	Specified Separately	○																		◎	
51	パーフルオロオクタン酸(PFOA)及びその塩 Perfluorooctanoic acid (PFOS) and its chlorides		Material for fluororesin processing (water repellants, oil repellants, mold release agents, emulsifiers, surfactants etc)	II	Specified Separately	○																			