

Table 1 Manufactured Hazardous Industrial Waste				
Industry Type	Process-derived Wastes	Components		Hazardousness Category
		Chinese	English	
Primary chemical industry and other industries producing the types of process-generated waste listed on the right	I. Wastewater treatment sludge from the manufacture of chlorine using the mercury electrode process	汞	mercury	(T)
	II. Stripping tower residue from the manufacture of methyl and ethyl pyridine	三聚乙醛、吡啶類、2-皮考林	paraldehyde; pyridines, 2-picoline.	(T)
	III. Distillation residue from the manufacture of aniline	苯胺、二苯胺、硝基苯、苯二胺	aniline; diphenylamine; nitrobenzene; phenylenediamine.	(T)
	IV. Extraction residue from the manufacture of aniline	苯胺、硝基苯、苯二胺	aniline; nitrobenzene; phenylenediamine.	(T)
	V. Mixed waste liquids from the manufacture of nitrobenzene and aniline	苯胺、苯、二苯胺、苯二胺	aniline; benzene; diphenylamine; phenylenediamine.	(T)
	VI. Water washing fraction and distillation or fractionating tower residue from the manufacture of chlorobenzene	苯、二氯苯、三氯苯、四氯苯、五氯苯、六氯苯、氯苯。	benzene; dichlorobenzenes; trichlorobenzenes; tetrachlorobenzenes; pentachlorobenzene; hexachlorobenzene; benzyl chloride.	(T)
	VII. Washing reactor waste liquid from the manufacture of chlorobenzene	苯、氯苯、二氯苯、2,4,6-三氯酚	benzene; monochlorobenzene; dichlorobenzenes; 2,4,6,-trichlorophenol.	(T)
	VIII. Waste liquid from the manufacture of dinitrotoluene via the nitration of toluene	2,4-二硝基甲苯	2,4-dinitrotoluene.	(C) (T)

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	IX. Scrubbing tower waste liquid from the manufacture of ethylene dibromide via the bromation of ethylene	二溴乙烷	Ethylene dibromide	(T)
	X. Waste absorbent from the purification of ethylene dibromide (same process as IX.)	二溴乙烷	Ethylene dibromide	(T)
	XI. Distillation residue from the purification of ethylene dibromide (same process as IX.)	二溴乙烷	Ethylene dibromide	(T)
	XII. Distillation residue from the manufacture of nitrobenzene via the nitration of benzene	間-二硝基苯, 2,4-二硝基甲苯	meta-dinitrobenzene; 2,4-dinitrotoluene.	(T)
	XIII. Centrifugation or distillation residue from the manufacture of toluene diisocyanate	二異氰酸甲苯, 2,4-二胺甲苯	toluene diisocyanate; toluene-2,4-diamine.	(R) (T)
	XIV. Separation bottom residue, concentration bottom residue, and waste filters from the manufacture of 1,1-dimethylhydrazine (UDMH) using hydrazine carbonate	1,1-二甲基聯胺	1,1-dimethylhydrazine (UDMH)	(C) (I) (T)

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	XV. Drying column reaction waste liquid, light and heavy residue from the manufacture of toluenediamine via the hydrogenation of dimethyltoluene	2,4-二胺甲 苯,鄰-甲 苯,對-甲 苯胺	2,4-toluenediamine; o-toluidine; p-toluidine; aniline.	(T)
	XVI. Solvent recovery organic concentrate from the manufacture of diisocyanates via the toluenediamine/phosgene method	四氯化碳, 四氯乙烯, 氯仿,光氣	carbon tetrachloride; tetrachloroethylene; chloroform; phosgene.	(T)
	XVII. Floor sweepings, waste product, and waste filtrate from the manufacture of 2,4,6-tribromophenol	2,4,6-三溴 酚	2,4,6-tribromophenol.	(T)
	XVIII. Distillation bottom residue from the manufacture of $\alpha$ - (or methyl) benzyl chloride, epibenzyl chloride, chlorobenzene, or mixtures of their functional bases	三氯苯,氯 化苯,氯仿, 氯化甲烷, 氯苯, 1,4- 二氯苯,六 氯苯,五氯 苯, 1,2,4,5-四 氯乙烯,甲 苯,四氯化 碳	benotrichloride; benzyl chloride; chloroform; chloromethane; chlorobenzene; 1,4-dichlorobenzene; hexachlorobenzene; pentachlorobenzene; 1,2,4,5-tetrachloroethylene; toluene; carbon tetrachloride.	(T)

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	<b>XIX. Chlorine-containing hydrocarbon waste from the purification of chlorine using the diaphragm process with graphite electrodes</b>	氯仿,四氯化碳,六氯乙烷,三氯乙烷,四氯乙烯,二氯乙烯,1,1,2,2-四氯乙烷	chloroform; carbon tetrachloride; hexachloroethane; trichloroethane; tetrachloroethylene; dichloroethylene; 1,1,2,2-tetrachloroethane.	(T)
	<b>XX. Dust collector ash, bottom residue, and intermediate product waste from the manufacture of antimony oxide</b>	砷、鉛、銻	arsenic; lead; antimony.	(T)
<b>Petrochemical raw materials manufacturing industry and other industries producing the types of waste listed on the right</b>	<b>I. Distillation residue from the manufacture of acetaldehyde from ethylene</b>	氯仿、甲醛、氯化次甲基、氯甲烷、三聚乙醛、甲酸、氯乙醛	chloroform; formaldehyde; methylene chloride; methyl chloride; para ldehyde; formic acid; chloroacetaldehyde.	(T)
	<b>II. Wastewater stripping waste liquid from the manufacture of acrylonitrile</b>	丙烯腈、乙腈、氢氰酸	acrylonitrile; acetonitrile; hydrocyanic acid.	(T)
	<b>III. Acetonitrile tower bottom waste liquid from the manufacture of acrylonitrile</b>	氢氰酸、丙烯腈、乙腈	hydrocyanic acid; acrylonitrile; acetonitrile.	(T)
	<b>IV. Acetonitrile purification tower bottom residue from the manufacture of acrylonitrile</b>	乙腈、丙烯酰胺	acetonitrile; acrylamide	(T)

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	V. Chlorobenzene distillation residue	氯甲苯、氯苯、甲苯、三氯甲苯	benzyl chloride; chlorobenzene; toluene; benzotrichloride.	(T)
	VI. Distillation residue from the manufacture of carbon tetrachloride	六氯苯、六氯丁二烯、四氯化碳、六氯乙烷、過氯乙烯	hexachlorobenzene; hexachlorobutadiene; carbon tetrachloride; hexachloroethane; perchloroethylene.	(T)
	VII. Purification tower bottom residue from the manufacture of epichlorohydrin	3-氯-1,2-環氧丙烷、含氯醚類〔二氯甲醚、2-氯乙醚〕三氯丙烷、二氯丙醇	Epichlorohydrin; chloroethers [bis (chloromethyl) ether and bis (2-chloroethyl) ethers]; trichloropropane; dichloropropanols.	(T)
	VIII. Fractionating tower heavy distillate from the manufacture of chloroethane	1,2-二氯乙烷、三氯乙烯、六氯丁二烯、六氯苯	1,2-dichloroethane (EDC); trichloroethylene; hexachlorobutadiene; hexachlorobenzene.	(T)

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	<b>IX. Heavy distillate from the manufacture of ethylene dichloride</b>	二氯乙烷、1,1,1-三氯乙烷、1,1,2-三氯乙烷、四氯乙烷類 (1,1,2,2-四氯乙烷、1,1,1,2-四氯乙烷)、三氯乙烯、四氯乙烯、四氯化碳、氯仿、氯乙炔、1,1-二氯乙烯	ethylene dichloride (EDC); 1,1,1-trichloroethane, 1,1,2-trichloroethane; tetrachloroethanes (1,1,2,2-tetrachloroethane and 1,1,1,2-tetrachloroethane); trichloroethylene; tetrachloroethylene; carbon tetrachloride; chloroform; vinyl chloride; vinylidene chloride(1,1-DEC).	(T)
	<b>X. Vinyl chloride (chloroethylene) heavy distillate from the manufacture of vinyl chloride monomers (VCM)</b>	二氯乙烷、1,1,1-三氯乙烷、1,1,2-三氯乙烷、四氯乙炔類 (1,1,2,2-四氯乙烷、1,1,1,2-四氯乙烷)、三氯乙烯、四氯乙烯、四氯化碳、氯化、氯乙炔、1,1-二氯乙炔	ethylene dichloride (EDC); 1,1,1-trichloroethane, 1,1,2-trichloroethane; tetrachloroethanes (1,1,2,2-tetrachloroethane ; 1,1,1,2-tetrachloroethane); trichloroethylene; tetrachloroethylene; carbon tetrachloride; chloroform; vinyl chloride; vinylidene chloride.	(T)

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	<b>XI. Water-soluble antimony catalyst waste from the manufacture of fluoromethane</b>	銻、四氯化碳、氯仿	antimony; carbon tetrachloride; chloroform.	(T)
	<b>XII. Distillation residue from the manufacture of phenol and acetone from cumene</b>	酚、焦油類（多環芳香類）	phenol; tars(polycyclic aromatic hydrocarbons).	(T)
	<b>XIII. Light distillate from the manufacture of phthalic anhydride using o-xylene</b>	鄰苯二甲酐、順丁烯二酐	phthalic anhydride; maleic anhydride.	(T)
	<b>XIV. Distillation residue from the manufacture of phthalic anhydride from o-xylene</b>	鄰苯二甲酐	phthalic anhydride.	(T)
	<b>XV. Tower bottom residue from the manufacture of trichloroethane and perchloroethylene</b>	六氯苯、六氯丁二烯、六氯乙烷、1,1,1,2-四氯乙烷、1,1,2,2-四氯乙烷、二氯乙烯	hexachlorobezene; hexachlorobutadiene; hexachloroethane; 1,1,1,2-tetrachloroethane; 1,1,2,2-tetrachloroethane; ethylene dichloride.	(T)
	<b>XVI. Distillation residue from the manufacture of nitrobenzene via the nitration of benzene</b>	間-二硝基苯、2,4-二硝基甲苯	m-dinitrobenzene; 2,4-dinitrotoluene	(T)
	<b>XVII. Stripping tower waste from the manufacture of pyridine</b>	三聚乙醛、吡啶類、2-皮考林	paraldehyde; pyridines; 2-picoline	(T)

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	XVIII. Waste catalyst, stripping tower waste, heavy distillation fraction, and heavy waste from the manufacture of 1,1,1-trichloroethane	1,1,1-三氯乙烷、氯乙烷、1,2-二氯乙烷、二氯乙烷、氯仿、1,1,1,2-四氯乙烷、1,1,2,2-四氯乙烷	1,1,1-trichloroethane; vinyl chloride; 1,2-dichloroethane; vinylidene chloride; chloroform; 1,1,1,2-tetrachloroethane; 1,1,2,2-tetrachloroethane.	(T)
	XIX. Light distillation residue and distillation residue from the manufacture of phthalic anhydride	鄰苯二甲酐、順丁烯二酐	phthalic anhydride; maleic anhydride	(T)
	XX. Organic waste including heavy distillation fraction, bottom residue, light distillation fraction, and solution filtration and decantation waste from the manufacture of polyurethane	免賴得、加保利、貝芬替、加保扶、丁基加保扶、甲醛、二氯甲烷、三乙胺、四氯化碳、吡啶類	benomyl; carbaryl; carbendazim; carbofuran; carbosulfan; formaldehyde; methylene chloride; triethylamine; carbon tetrachloride; pyridine	(T)
	XXI. Bag-type dust collector ash and residue from filtration, evaporation, and centrifugation steps in the manufacture of dithiocarbamate and its salts	銻、砷、二甲基二硫氮基甲酸鋅	antimony; arsenic; ziram	(T)

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	XXII. Wastewater treatment sludge from the manufacture of vinyl chloride monomer (VCM) via the acetylene process using mercury chloride as a catalyst	汞	mercury	(T)
Paints, coatings, and related product manufacturing industry and other industries producing the types of waste listed on the right	Waste solvents and sludge from the washing of containers holding pigment, drying agents, chromium/lead stabilizer paints, etc. waste alkalis and sludge, waste liquid and sludge	鉛、六價鉻	lead; hexavalent chromium	(T)
Pesticide and environmental sanitation agent manufacturing industry and other industries producing the types of waste listed on the right	I. Residue from the manufacture of pesticides using arsenic or organic arsenic compounds	砷	arsenic	(T)
	II. Distillation residue from distilled aniline compounds and activated carbon residue after decoloring in the manufacture of agents using arsenic or organic arsenic compounds	砷	arsenic	(T)

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	III. Wastewater treatment sludge from the manufacture of creosote	木榴油、 、萘、苯 蒽、二苯駢 蒽、蒽 (a)苊、茚酮 (1,2,3-cd) 苊、(a)苯駢 蒽、二苯駢 蒽、蒽	creosote; chrysene; naphthalene; fluoranthene benzo(b)fluoranthene; benzo(a) pyrene; indeno(1,2,3-cd)pyrene; benzo(a)anthracene, dibenzo(a)anthracene; acenaphthalene	(T)
	IV. Toluene recovery distillation tower bottom residue from the manufacture of Disyston	甲苯、二硫 磷酸、硫磷 酸酯類	toluene; phosphorodithioic; phosphorothioic acid esters.	(T)
	V. Wastewater treatment sludge from the manufacture of Disyston	甲苯、二硫 磷酸、硫磷 酸酯類	toluene; phosphorodithioic; phosphorothioic acid esters.	(T)
	VI. Washing and stripping waste liquid from the manufacture of Phorate	福瑞松、甲 醛、二硫磷 酸、硫磷酸 酯類	phorate; formaldehyde; phosphorodithioic; phosphorothioic acid esters.	(T)
	VII. Filter cake from the filtration of diethyl phosphoric acid and dithiosulfuric acid in the manufacture of Phorate	二硫磷酸、 硫磷酸酯類	phosphorodithioic; phosphorothioic acid esters.	(T)
	VIII. Wastewater treatment sludge from the manufacture of Phorate	福瑞松、甲 醛、二硫磷 酸、硫磷酸 酯類	phorate; formaldehyde; phosphorodithioic; phosphorothioic acid esters.	(T)

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	IX. 2,6-dichlorophenol waste from the manufacture of 2,4-D	2,4-二氯酚、2,6-二氯酚、2,4,6-三氯酚	2,4-dichlorophenol; 2,6-dichlorophenol; 2,4,6-trichlorophenol.	(T)
	X. Untreated liquid waste from the manufacture of 2,4-D	2,4-二氯酚、2,4,6-三氯酚	2,4-dichlorophenol; 2,4,6-trichlorophenol.	(T)
	XI. Chlorinated cyclodiene filtration residue, scum, and wastewater treatment sludge from the manufacture of Chlordane	六氯環戊二烯	Hexachlorocyclopentadiene.	(T)
	XII. Wastewater treatment sludge from the manufacture of Toxaphene	毒殺芬	toxaphene.	(T)
	XIII. Tetrachlorobenzene distillation residue waste from the manufacture of 2,4,5-T	六氯苯、對二氯苯、2,3,7,8-氯化戴奧辛及呋喃同源物	Hexachlorobenzene; o-dichlorobenzene; 2,3,7,8-TCDD (All tetrachlorodibenzo-p-dioxins) and TCDF (All tetrachlorodibenzo-furans)	(T)
	XIV. Wastewater treatment scum, filtrate, separation bottom residue, gas concentration bottom residue, waste filters, and dust collector ash and residue from the manufacture of ethyl carbamate and its salts	乙硫脲	ethylene thiourea.	(T)

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	XV. Waste absorbent and separation wastewater produced in reactors and sulfuric acid driers in the manufacture of methyl bromide	二甲基硫酸鹽、甲基溴化物	dimethyl sulfate; methyl bromide.	(T)
Pharmaceutical industry and other industries producing the types of process-generated waste listed on the right	I. Wastewater treatment sludge from the manufacture, formulation, and loading of lead base detonator	砷	arsenic	(T)
	II. Distillation residue containing arsenic or organic arsenic compounds from the manufacture of animal drugs via distillation of aniline compounds	砷	arsenic	(T)
	III. Activated carbon decoloring residue containing arsenic or organic arsenic compounds from the manufacture of animal drugs	砷	arsenic	(T)
Other chemical product manufacturing industries and other industries	I. Wastewater treatment sludge from the manufacture, formulation, and loading of lead base detonator	鉛	lead.	(T)

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producing the types of process-generated waste listed on the right	II. Wastewater treatment sludge from the manufacture of chromium yellow and chromium orange pigment	六價鉻、鉛	hexavalent chromium; lead.	(T)
	III. Wastewater treatment sludge from the manufacture of molybdenum orange pigment	六價鉻、鉛	hexavalent chromium; lead.	(T)
	IV. Wastewater treatment sludge from the manufacture of zinc yellow pigment	六價鉻	hexavalent chromium.	(T)
	V. Wastewater treatment sludge from the manufacture of chromium green pigment	六價鉻、鉛	hexavalent chromium; lead.	(T)
	VI. Wastewater treatment sludge from the manufacture of chromium oxide green pigment (hydrated and anhydrous)	六價鉻	hexavalent chromium.	(T)
	VII. Wastewater treatment sludge from the manufacture of iron blue pigment	氰化物(錯合物)、六價鉻	cyanide(complexed); hexavalent chromium.	(T)
	VIII. Oven residue from the manufacture of chromium oxide green pigment	六價鉻	hexavalent chromium.	(T)

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	IX. Solvent, alkali wash sludge, and sludge from washing tanks and equipment in the manufacture of chromium- and lead-containing pigments, drying agents, or soap, or the manufacture of ink from stabilizer	鉛、六價鉻	lead; hexavalent chromium.	(T)
Petroleum refining industry and other industries producing the types of process-generated waste listed on the right	I. Substances removed by flotation in the petroleum refining industry	六價鉻、鉛、苯	hexavalent chromium; lead; benzene.	(T)
	II. Waste oil emulsifier in the petroleum refining industry	六價鉻、鉛、苯	hexavalent chromium; lead; benzene.	(T)
	III. Heat exchanger washing sludge in the petroleum refining industry	六價鉻、苯	hexavalent chromium; benzene.	(T)
	IV. Sludge produced in oil/water separation equipment in the petroleum refining industry	六價鉻、鉛、苯	hexavalent chromium; lead; benzene.	(T)
	V. Tank bottom residue from oil storage tanks containing finished product oil to which lead has been added in the petroleum refining industry	鉛、苯	lead; benzene.	(T)

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	VI. Crude oil tank bottom sludge in the petroleum refining industry	苯	benzene.	(T)
	VII. Oily tank bottom sludge, filtration or separation waste in the petroleum refining industry	萘、二苯、 萘(a,h)醌、 蒽、(a)萘醌、 蒽、二苯醌 (a)苝	benzo(a)pyrene; dibenz(a,h)anthracene, benzo(a)anthracene; benzo(b)fluoranthene	(T)
Other petroleum and coal product manufacturing industry manufacturing industries and other industries producing the types of process-generated waste listed on the right	I. Ammonia distillation tower sludge from the manufacture of coke	氰化物、 萘、酚類化合物、砷	cyanide; naphthalene; phenolic compounds; arsenic.	(T)
	II. Decantation tower sludge or residue from the manufacture of coke	酚、萘	phenol; naphthalene.	(T)
	III. Process residue and tar storage tank residue from the recycling of coal tar or recycling of light fuel oil or naphthalene	萘、(a)萘醌、 蒽、萘、 萘、二苯、 萘(a)苝、 (a)萘蒽、蒽醌 (1,2,3-cd) 苝	benzene; benz(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(k)fluoranthene; dibenz(a,h)anthracene; indeno(1,2,3-cd)pyrene.	(T)
Steel smelting industry and other industries producing the types of process-generated waste listed on the right	Dust collector ash and sludge from steel refinery electric furnace process pollution control	六價鉻、 鉛、鎘、 2,3,7,8-氯 化戴奧辛及 呋喃同源物	hexavalent chromium; lead; cadmium; 2,3,7,8-TCDD (All tetrachlorodibenzo-p-dioxins) and TCDF (All tetrachlorodibenzo-furans).	(T)

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Steel surface treatment industry and other industries producing the types of process-generated waste listed on the right	I. Waste acid liquid from steel processing in the steel industry	六價鉻、鉛	hexavalent chromium; lead.	(T)
	II. Discharge control ash or sludge from iron-chromium-silicon alloying process	鉻	chromium.	(C) (T)
	III. Discharge control ash or sludge from iron-chromium-silicon alloying process	鉻	chromium.	(C) (T)
Other non-ferrous metal primary industries and other industries producing the types of process-generated waste listed to the right	I. Discharge control ash or sludge from secondary smelting of lead, nickel, mercury (Hg), and cadmium	六價鉻、鉛、鎘、汞、鎳	hexavalent chromium; lead; cadmium; mercury; nickel.	(T)
	II. Acid leachate from discharge control ash or sludge from secondary smelting of lead	六價鉻、鉛、鎘	hexavalent chromium; lead; cadmium.	(T)
	III. Slurry or sludge discharged from slurry concentration plant and derived from the manufacture of raw copper	鉛、鎘	lead; cadmium.	(T)
	IV. Used tank lining material from the reduction of primary aluminum	氰化物	cyanide(complexes).	(T)

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<b>Waste processing industry and other industries producing the types of process-generated waste listed on the right</b>	<b>I. Residue or sludge resulting from the recycling of mercury-containing waste</b>	汞	mercury.	(T)
	<b>II. Solid metal residue from waste recycling</b>	鉛、鎘、鉻	lead; cadmium; chromium.	(T)
	<b>III. Acidic waste liquid or sludge from waste recycling</b>	銅、鉛、鋅、鎘、鉻	copper; lead; zinc; cadmium; chromium.	(T)
	<b>IV. Dust collector ash resulting from the crushing, sorting, and recycling of electric wires and cables</b>	銅、鉛	copper; lead	(T)
	<b>V. Waste fluorescent powder from waste recycling</b>	汞、鉛	mercury, lead	(T)

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Other industries producing the types of process-generated waste listed on the right	<b>I. Electroplating process wastewater treatment sludge; excluding sludge from the following processes:</b>  <b>1. Sulfuric acid electroplating of aluminum</b>  <b>2. Tin plating of carbon steel</b>  <b>3. Aluminum plating of carbon steel</b>  <b>4. Tin and aluminum plating of carbon steel accompanied by washing/stripping</b>  <b>5. Etching and polishing of aluminum</b>	鎘、六價鉻、鎳、氰化物、銅、鋅	cadmium; hexavalent chromium; nickel; cyanide(complexed); copper; zinc.	(T)
	<b>II. Wastewater treatment sludge from aluminum chemical conversion coating process</b>	六價鉻、氰化物（錯合物）	hexavalent chromium; cyanide(complexed).	(T)
	<b>III. Cyanide-containing electroplating waste liquid</b>	氰化物（鹽類）	cyanide (salts).	(T)
	<b>IV. Cyanide electroplating process electroplating tank bottom residue</b>	氰化物（鹽類）	cyanide (salts).	(T)
	<b>V. Cyanide electroplating process washing and stripping waste liquid</b>	氰化物（鹽類）	cyanide (salts).	(T)

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		Chinese	English	Category
	VI. Oil cooling tank residue from metal heat treatment process using cyanide	氰化物（鹽類）	cyanide (salts).	(T)
	VII. Cyanide waste liquid from salt bath tank in metal heat treatment	氰化物（鹽類）	cyanide (salts).	(T)
	VIII. Cooling water and wastewater treatment sludge from metal heat treatment process using cyanide	氰化物（鹽類）	cyanide (salts).	(T)
	IX. Dust collection ash from the treatment of hazardous industrial waste using heat treatment methods	鉛、鎘、鉻、2,3,7,8-氯化戴奧辛及呋喃同源物	lead; cadmium; chromium.; 2,3,7,8-TCDD (All tetrachlorodibenzo-p-dioxins) and TCDF (All tetrachlorodibenzo-furans)	(T)

Notes: markings indicating hazardousness type: (I): flammable; (C): corrosive; (R): reactive; (T): toxic