

(Garuda Emblem)

Notification of Ministry of Industry

**Re: Chemical wastes under authorization of Department of Industrial Works
being exempted from complying with the Hazardous Substance Act B.E. 2535 (1992)
B.E. 2543 (2000)**

By the virtue of section 5 paragraph three, section 20 (5), section 36 paragraph two and section 44 (1) of the Hazardous Substance Act B.E. 2535 (1992) the Minister of Industry, with the opinions of the Committee on Hazardous Substance, hereby issues the Ministerial Notification as follows:

A producer of designated chemical wastes listed in the Ministerial Notification being issued pursuant to section 18 paragraph two shall be exempted from a permit requirement under section 23 paragraph one and from registration requirement under section 36 paragraph two.

This shall, thus, enter into force on the day following the date of its publication in the Government Gazette.

Announced on the 20th March B.E. 2543 (2000)

(signed)_____

(Mr. Suwat Lippatapullop)

Minister of Industry

(Published in the Government Gazette, Volume 117, Special Part 43d, dated 8th May B.E. 2543 (2000))

List of Chemical Wastes annexed to the Notification of Ministry of Industry B.E. 2543 (2000)

No.	Hazardous Substance	Type of Hazardous Substances	CAS Number	Responsible Agency	Condition
1	CHEMICAL WASTES Used lubricating oil	3	-	Department of Industrial Works	Only quantity of more than 20 kilograms or 20 liters and not including the substance of facility which has specific law controls on its treatment or disposal
2	METAL AND METAL-BEARING WASTES Metal wastes and waste consisting of alloys of any of the following: Antimony, Arsenic, Beryllium, Cadmium, Lead, Mercury, Selenium, Tellurium, Thallium	3	-	Department of Industrial Works	-
3	Waste having constituents or contaminants, excluding metal waste in massive form, of any of the following: Antimony and its compounds; Beryllium and its compounds; Cadmium and its compounds; Lead and its compounds; Selenium and its compounds; Tellurium and its compound	3	-	Department of Industrial Works	-

No.	Hazardous Substance	Type of Hazardous Substances	CAS Number	Responsible Agency	Condition
4	Waste having constituents or contaminants of any of the following: Arsenic and its compounds; Mercury and its compounds; Thallium and its compound	3	-	Department of Industrial Works	-
5	Waste having constituents of any of the following: Metal carbonyls; Hexavalent chromium compounds	3	-	Department of Industrial Works	-
6	Galvanic sludges	3	-	Department of Industrial Works	-
7	Waste liquors from the pickling of metals	3	-	Department of Industrial Works	-
8	Leaching residues from zinc processing, dust and sludges such as jarosite, hematite, etc.	3	-	Department of Industrial Works	-
9	Waste zinc residues containing lead and cadmium	3	-	Department of Industrial Works	-
10	Ashes from the incineration of insulated copper wire	3	-	Department of Industrial Works	-

No.	Hazardous Substance	Type of Hazardous Substances	CAS Number	Responsible Agency	Condition
11	Dusts and residues from gas cleaning systems of copper smelters	3	-	Department of Industrial Works	-
12	Spent electrolytic solutions from copper electrorefining and electrowinning operations	3	-	Department of Industrial Works	-
13	Waste sludges, excluding anode slime, from electrolyte purification systems in copper electrorefining and electrowinning operations	3	-	Department of Industrial Works	-
14	Spent etching solutions containing dissolved copper	3	-	Department of Industrial Works	-
15	Waste cupric chloride and/or copper cyanide catalysts	3	-	Department of Industrial Works	-
16	Precious metal ash from incineration of printed circuit boards such as Gold, Silver, Platinum, Palladium, Iridium, Osmium, Rhodium, and Ruthenium	3	-	Department of Industrial Works	-
17	Waste lead-acid batteries, whole or crushed	3	-	Department of Industrial Works	-
18	Unsorted waste batteries	3	-	Department of Industrial Works	-

No.	Hazardous Substance	Type of Hazardous Substances	CAS Number	Responsible Agency	Condition
19	Waste electrical and electronic assemblies or scrap (excluding scrap from electric power generation) containing components such as accumulators and other batteries, mercury-switches, glass from cathode-ray tubes	3	-	Department of Industrial Works	-
20	Glass waste from cathode-ray tubes and other activated glass	3	-	Department of Industrial Works	-
21	Waste inorganic fluorine compounds in the form of liquids or sludges	3	-	Department of Industrial Works	-
22	Waste catalysts	3	-	Department of Industrial Works	-
23	Waste gypsum arising from chemical industry processes	3	-	Department of Industrial Works	-
24	Waste asbestos (dust and fibers)	3	-	Department of Industrial Works	-
25	Coal-fired power plant fly-ash –	3	-	Department of Industrial Works	-

No.	Hazardous Substance	Type of Hazardous Substances	CAS Number	Responsible Agency	Condition
	WASTES CONTAINING PRINCIPALLY ORGANIC CONSTITUTENTS, WHICH MAY CONTAIN METALS AND INORGANIC MATERIALS				
26	Wastes from the production or processing of petroleum coke and/or bitumen	3	-	Department of Industrial Works	-
27	Waste mineral oils unfit for their originally intended use	3	-	Department of Industrial Works	-
28	Waste s that contain, consist of or are contaminated with leaded anti-knock compound sludges	3	-	Department of Industrial Works	-
29	Waste thermal (heat transfer) fluids	3	-	Department of Industrial Works	-
30	Waste from production, formulation and use of resins, latex, plasticizers, glues/adhesives	3	-	Department of Industrial Works	-
31	Waste nitrocellulose	3	-	Department of Industrial Works	-
32	Waste phenols, phenol compounds including chlorophenol in the form of liquids or sludges	3	-	Department of Industrial Works	-
33	Waste ethers	3	-	Department of Industrial Works	-

No.	Hazardous Substance	Type of Hazardous Substances	CAS Number	Responsible Agency	Condition
34	Waste leather dust, ash, sludges and flours that contain hexavalent chromium compounds or biocides	3	-	Department of Industrial Works	-
35	Waste paring and other waste of leather or of composition leather that not suitable for the manufacture of leather articles that contain hexavalent chromium compounds or biocides	3	-	Department of Industrial Works	-
36	Fellmongery wastes containing hexavalent chromium compounds or biocides or infectious substances	3	-	Department of Industrial Works	-
37	Fluff-light fraction from shredding	3	-	Department of Industrial Works	-
38	Waste organic phosphorous compounds	3	-	Department of Industrial Works	-
39	Waste non-halogenated organic solvents	3	-	Department of Industrial Works	-
40	Waste halogenated organic solvents	3	-	Department of Industrial Works	-
41	Waste halogenated or unhalogenated non-aqueous distillation residues arising from organic solvent recovery operations	3	-	Department of Industrial Works	-
42	Wastes arising from the production of aliphatic halogenated hydrocarbon such as chloromethane, dichloro-ethane, vinyl chloride, vinylidene chloride	3	-	Department of Industrial Works	-

No.	Hazardous Substance	Type of Hazardous Substances	CAS Number	Responsible Agency	Condition
43	Wastes, substances and articles containing, consisting of or contaminated with polychlorinated biphenyl (PCB), polychlorinated terphenyl (PCT), polychlorinated naphthalene (PCN)	3	-	Department of Industrial Works	-
44	Waste tarry residues, excluding asphalt cements, arising from refining, distillation or nay pyrolitic treatment of organic materials	3	-	Department of Industrial Works	-
	WASTE WHICH MAY CONTAIN EITHER INORGANIC OR ORGANIC CONSTITUENTS				
45	Waste from the production, preparation and use of pharmaceutical products	3	-	Department of Industrial Works	-
46	Clinical and related wastes: that are wastes arising from medical, nursing, dental, veterinary, or similar practices and wastes generated in hospitals or other facilities during the investigation or treatment of patients, or research project	3	-	Department of Industrial Works	-

No.	Hazardous Substance	Type of Hazardous Substances	CAS Number	Responsible Agency	Condition
47	Wastes from the production, formulation and use of biocides and phytopharmaceuticals, including waste waste pesticides and herbicides which are off-specification	3	-	Department of Industrial Works	-
48	Waste from the manufacture, formulation, and use of wood preserving chemicals, but not including wood treated with wood preserving chemicals	3	-	Department of Industrial Works	-
49	Wastes that contain, consist of or are contaminated with inorganic cyanides and organic cyanides excepting precious metal-bearing residues such as Gold, Silver, Platinum, Palladium	3	-	Department of Industrial Works	-
50	Waste oils/water, hydrocarbons/water mixtures, emulsion	3	-	Department of Industrial Works	-
51	Wastes from the production, formulation and use of inks, dyes, pigments, paints, lacquers, and varnish	3	-	Department of Industrial Works	-
52	Waste of an explosive nature	3	-	Department of Industrial Works	-
53	Waste acidic or basic solutions having pH less than 2 or more than 11.5	3	-	Department of Industrial Works	-

No.	Hazardous Substance	Type of Hazardous Substances	CAS Number	Responsible Agency	Condition
54	Wastes from industrial pollution control devices for cleaning of industrial off-gases	3	-	Department of Industrial Works	-
55	Wastes that contain, consist of or are contaminated with any of the following: congener of polychlorinated dibenzo-furan, any congener of polychlorinated dibenzo-dioxin	3	-	Department of Industrial Works	-
56	Wastes that contain, consist of or are contaminated with peroxides	3	-	Department of Industrial Works	-
57	Waste packages or containers contaminated with any chemical wastes, other than used lubricating oil	3	-	Department of Industrial Works	-
58	Waste consist of or containing off-specification or outdated chemicals	3	-	Department of Industrial Works	-
59	Waste chemical substances arising from research and development or teaching activities which are not identified and/or are new or has never been found in environment but effects to human health	3	-	Department of Industrial Works	-
60	Spent activated carbon	3	-	Department of Industrial Works	-