

Notification of Ministry of Industry
Subject: List of Hazardous Substance (No.4)
B.E. 2560 (2017)

By the virtue of section 5 paragraph two and section 18 paragraph two of the Hazardous Substance Act B.E. 2535 (1992), the Minister of Industry, with the opinions of the Hazardous Substance Committee, hereby issues the ministerial notification as follows:

Article 1 Hazardous substances, namely Methanol or Methyl Alcohol, listed in No. 159 of List 4.1 Controlled Substances under List 4, which is responsible by the Food and Drug Administration as annexed to the Notification of Ministry of Industry regarding the List of Hazardous Substances B.E. 2556, dated 28th August B.E. 2556 (2013), shall be revoked.

Article 2 Hazardous substances as annexed to the Notification of Ministry of Industry regarding the list of hazardous substances B.E. 2556, dated 28th August B.E. 2556 (2013), shall be revoked and replaced by the list of hazardous substances prescribed in the annex of this Notification.

2.1 Controlled substance No. 7: Mercury Compound and Controlled No. 9: Active ingredients, microorganisms or products containing active ingredients or microorganisms intended for controlling plant growth including stimulation, inhibition and retardation of plant growth e.g., the control of flowering, fruiting, pigment changing and rooting, etc. prescribed in the List 1.2 Group of Controlled Substances under the List 1, which is responsible by the Department of Agriculture.

2.2 Controlled substance No. 2: Products used in household or public health activity with purposes for inhibiting, preventing, controlling, destroying insects and other animals, and Controlled substance No. 3: Products used in household or public health activity with purposes for disinfecting floor, wall, sanitary ware, and other materials or for anti-clogging of drainage system or sewer line that are prescribed in the List 4.3: Group of Controlled Products under the List 4, which is responsible by the Food and Drug Administration.

Article 3 Following hazardous substances listed in the List 5, which is responsible by the Department of Industrial Works annexed to this Notification shall be added in the List of Hazardous Substances under the Notification of Ministry of Industry B.E. 2556, dated 28th August B.E. 2556 (2013), which has been amended by the Notification of Ministry of Industry (No. 3) B.E. 2559, dated 14th December B.E. 2559.

3.1 List 5.1: Controlled Substances: No. 497: 1,4-dimethylnaphthalene, No. 498: 1-phenyl-2-nitropropene, No. 499: 2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175), No. 500: 2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183), No. 501: 2,2',4,4'-tetrabromodiphenyl ether (BDE-47), No. 502: 2,2',4,4',5-pentabromodiphenyl ether (BDE-99), No. 503: 2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153), No. 504: 2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154), No. 505: Perfluoro octane sulfonic acid, No. 506: Silane,

No. 507: Didecyldimethyl ammonium perfluorooctane sulfonate, No. 508: Diethanolammonium perfluorooctane sulfonate, No. 509: Tetraethylammonium perfluorooctane sulfonate, No. 510: Perfluorooctane sulfonyl fluoride, No. 511: Potassium perfluorooctane sulfonate, No. 512: Mercury (I) chloride, No. 513: Mercury (II) sulfate, No. 514: Mercury (II) nitrate, No. 515: Lithium perfluorooctane sulfonate, No. 516: Octabromodiphenyl ether, No. 517: Ammonium perfluorooctane sulfonate, No. 518: Isopropyl N-(3-chlorophenyl) carbamate or chlorpropham

3.2 Controlled substance No. 11: Mercury Compounds. Under the List 5.4:
Other substances,

Article 4 Producers, importers, exporters or possessors of hazardous substance type 3 stipulated in this Notification, whose operations have been performed before the enforcement of this Notification, shall submit an application for operation permit for hazardous substance type 3 within 30 days since the enforcement date of this Notification. And any hazardous substance is required to be registered, an application for registration shall be submitted within stipulated period as well.

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

Announced on the 15th November B.E. 2560 (2017)
Uttama Savanayana
Minister of Industry

(Published in the Government Gazette, Volume 135, special part 6Ngor, dated 11th January B.E. 2561 (2018))

List of Hazardous Substances
Annexed to the Notification of Ministry of Industry on List of Hazardous Substances (No.4) B.E. 2560

List 1: Responsible by Department of Agriculture

List 1.2 Controlled Substances

No.	Name of Hazardous Substances	CAS Number	Type of Hazardous Substances	Condition
7	Mercury compounds	-	4	Except those responsible by the Department of Industrial Works
9	Active ingredients, microorganisms or products containing active ingredients or microorganisms intended for controlling plant growth including stimulation, inhibition, and retardation of plant growth e.g., the control of flowering, fruiting, pigment changing and rooting, etc.	-	2	Except those responsible by the Department of Industrial Works

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List 4: Responsible by Food and Drug Administration

List 4.3 Controlled Products

No.	Name of Hazardous Substances	CAS Number	Type of Hazardous Substances	Condition
2	Products used in household or public health activity with purposes for inhibiting, preventing, controlling, destroying insects and other animals	-	2	<p>Except any following products:</p> <ol style="list-style-type: none"> 1. Products containing animal-based or plant-based essential oils as active ingredients; 2. Products containing parts of plants, which may be processed e.g. cutting, grinding, mincing, as main ingredients; 3. Products containing substances receiving from plants or animals through boiling, fermenting, refining, extracting, burning or any other methods so long as other substances are not added as main ingredients with an intention to get a chemical reaction. <p>Thus, the products stipulated in 1, 2 and 3 shall not contain synthetic chemicals as active ingredients.</p>
3	Products used in household or public health activity with purposes for disinfecting floor, wall, sanitary ware, and other materials or for anti-clogging of drainage system or sewer line	-	2	<p>Except any following products:</p> <ol style="list-style-type: none"> 1. Products containing enzymes as active ingredients; 2. Products containing parts of plants, which may be processed e.g. cutting, grinding, mincing, as main ingredients; 3. Products containing substances receiving from plants or animals through boiling, fermenting, refining, extracting, burning or any other methods so long as other substances are not added as main ingredients with an intention to get a chemical reaction. <p>Thus, the products stipulated in 1, 2 and 3 shall not contain synthetic chemicals as active ingredients.</p>

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List 5: Responsible by Department of Industrial Works

List 5.1 Controlled Substances

No.	Name of Hazardous Substances	CAS Number	Type of Hazardous Substances	Condition
497	1,4-dimethylnaphthalene	571-58-4	3	When specifically used as potato sprout inhibitors for storage in the industrial production process only.
498	1-phenyl-2-nitropropene	705-60-2	3	
499	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)	446255-22-7	3	
500	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)	207122-16-5	3	
501	2,2',4,4'-tetrabromodiphenyl ether (BDE-47)	40088-47-9	3	
502	2,2',4,4',5-pentabromodiphenyl ether (BDE-99)	32534-81-9	3	
503	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)	68631-49-2	3	
504	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)	207122-15-4	3	
505	Perfluorooctane sulfonic acid	1763-23-1	3	
506	Silane	7803-62-5	3	
507	Didecyldimethylammonium perfluorooctane sulfonate	251099-16-8	3	
508	Diethanolammonium perfluorooctane sulfonate	70225-14-8	3	

No.	Name of Hazardous Substances	CAS Number	Type of Hazardous Substances	Condition
509	Tetraethylammonium perfluorooctane sulfonate	56773-42-3	3	
510	Perfluorooctane sulfonyl fluoride	307-35-7	3	
511	Potassium perfluorooctane sulfonate	2795-39-3	3	
512	Mercury (I) chloride	10112-91-1	3	
513	Mercury (II) sulfate	7783-35-9	3	
514	Mercury (II) nitrate	7783-34-8 10045-94-0	3	
515	Lithium perfluorooctane sulfonate	29457-72-5	3	
516	Octabromodiphenyl ether	32536-52-0	3	
517	Ammonium perfluorooctane sulfonate	29081-56-9	3	
518	Isopropyl N-(3-chlorophenyl) carbamate or chlorpropham	101-21-3	3	When specifically used as potato sprout inhibitors for storage in the industrial production process only.

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List 5: Responsible by Department of Industrial Works

List 5.4 Others

No.	Name of Hazardous Substances	CAS Number	Type of Hazardous Substances	Condition
11	Mercury compounds	-	3	When used in a laboratory only.