

**Notification of Ministry of Industry**  
**Subject: List of Hazardous Substances (No.5)**  
**B.E. 2562 (2019)**

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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 annexed to the Notification of Ministry of Industry regarding the List of Hazardous Substances B.E. 2556, dated 28<sup>th</sup> August B.E. 2556 (2013) as followings shall be revoked and replaced by the list of hazardous substances prescribed in the annex of this Notification.

1.1 List 4.1 of List 4 under the responsibility of the Food and Drug Administration, Controlled Substances: No. 24 chlorpyrifos and No. 25 chlorpyrifos-methyl;

1.2 List 4.2 of List 4 under the responsibility of the Food and Drug Administration, Group of Controlled Substances: No. 15 amphoteric surfactants;

1.3 List 5.1 of List 5 under the responsibility of Department of Industrial Works, Controlled Substances: No. 60 methoxy acetic acid or 2-methoxyacetic acid or methyl ether and No. 477 hexachlorobenzene.

Article 2 Hazardous substances annexed to this Notification shall be added in the list of hazardous substances annexed to the Notification of Ministry of Industry regarding the List of Hazardous Substances B.E. 2556, dated 28<sup>th</sup> August B.E. 2556 (2013), latest amended by the Notification of Ministry of Industry regarding the List of Hazardous Substances (No. 4) B.E. 2560 (2017) dated 15<sup>th</sup> November B.E. 2560 (2017) as followings:

2.1 List 4.1 of List 4 under the responsibility of the Food and Drug Administration, Controlled Substances: No. 226 citric acid (monohydrate), No. 227 citric acid (anhydrous), No. 228 (D(-) lactic acid), No. 229 (DL-lactic acid) or racemic lactic acid and No. 230 (L(+) lactic acid);

2.2 List 4.2 of List 4 under the responsibility of the Food and Drug Administration, Group of Controlled Substances: No. 29 amine oxides;

2.3 List 5.1 of List 5 under the responsibility of Department of Industrial Works, Controlled Substances: No. 519 Decabromodiphenyl ether, No. 520 chloroalkanes, C<sub>6</sub>-C<sub>18</sub>, No. 521 chloroalkanes, C<sub>10</sub>-C<sub>12</sub>, No. 522 chloroalkanes, C<sub>10</sub>-C<sub>13</sub>, No. 523 chloroalkanes, C<sub>10</sub>-C<sub>14</sub>, No. 525 chloroalkanes, C<sub>12</sub>-C<sub>14</sub>.

Article 3 Producers, importers, exporters or possessors of hazardous substance type 2 or type 3 in accordance with this Notification, whose operations have been performed before the enforcement date of this Notification, shall notify the operation of hazardous substance type

2 or submit an application for permission for hazardous substance type 3 within 90 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 such period as well.

Producers, importers, exporters or possessors of hazardous substance type 4 accordance with this Notification whose operation have been performed before the enforcement date of this Notification shall comply with the order of the competent official within 180 days since the enforcement date of this Notification.

Article 4 This shall, thus, enter into force on the day following the date of its publication in the Government Gazette.

Announced on the 4<sup>th</sup> September B.E. 2562 (2019)  
Suriya Juangroongruangkit  
Minister of Industry

*(Published in the Government Gazette, Volume 136, special part 257Ngor, dated 16<sup>th</sup> October B.E. 2562 (2019))*

**List of Hazardous Substances**  
**Annexed to the Notification of Ministry of Industry on List of Hazardous Substances (No.5) B.E. 2562**

**List 4: Responsible by Food and Drug Administration**

List 4.1. Controlled Substances

No.	Name of Hazardous Substances	CAS Number	Type of Hazardous Substances	Condition
24	Chlorpyrifos	2921-88-2	4	In products used in household or public health activity with purposes for inhibiting, preventing, controlling, destroying insects and other animals.
25	Chlorpyrifos-methyl	5598-13-0	4	In products used in household or public health activity with purposes for inhibiting, preventing, controlling, destroying insects and other animals.
226 227	Citric acid Citric acid (monohydrate) Citric acid (anhydrous)	5949-29-1 77-92-9	2	In products used in household or public health activity with purposes for disinfecting, cleaning floor, wall, sanitary ware, and other materials or for anti-clogging of drainage system or sewer line.
228 229 230	Lactic acid (D(-) lactic acid) (DL-lactic acid) or racemic lactic acid (L(+) lactic acid)	10326-41-7 598-82-3 50-21-5 79-33-4	2	In products used in household or public health activity with purposes for disinfecting, cleaning floor, wall, sanitary ware, and other materials or for anti-clogging of drainage system or sewer line.

**List of Hazardous Substances**  
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**List 4: Responsible by Food and Drug Administration**

List 4.2 Group of Controlled Substances

No.	Name of Hazardous Substances	CAS Number	Type of Hazardous Substances	Condition
15	Amphoteric surfactants	-	1	In products used in household or public health activity with purposes for cleaning floor, wall, sanitary ware, and other materials or for anti-clogging of drainage system or sewer line.
29	Amine oxides	-	1	In products used in household or public health activity with purposes for cleaning floor, wall, sanitary ware, and other materials or for anti-clogging of drainage system or sewer line.

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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
60	Methoxyacetic acid or 2-methoxyacetic acid	625-45-6	4	Except impurity having concentration $\leq 0.3\%$ w/w
477	Hexachlorobenzene	118-74-1	4	Except impurity having concentration $\leq 0.005\%$ w/w
519	Decabromodiphenyl ether	1163-19-5	3	
520	Chloroalkanes, C <sub>6</sub> -C <sub>18</sub>	68920-70-7	3	
521	Chloroalkanes, C <sub>10</sub> -C <sub>12</sub>	108171-26-2	3	
522	Chloroalkanes, C <sub>10</sub> -C <sub>13</sub>	85535-84-8	3	
523	Chloroalkanes, C <sub>10</sub> -C <sub>14</sub>	85681-73-8	3	
524	Chloroalkanes, C <sub>12</sub> -C <sub>13</sub>	71011-12-6	3	
525	Chloroalkanes, C <sub>12</sub> -C <sub>14</sub>	85536-22-7	3	