

**Notification of Ministry of Industry**  
**Subject: List of hazardous substances**  
**(No.3)**  
**B.E. 2559 (2016)**

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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 Committee on Hazardous substance, hereby issues the ministerial notification as follows:

Article 1 Hazardous substances as 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), shall be revoked and replaced by the list of hazardous substances prescribed in the annex of this Notification.

1.1 **No. 3: 1,1,2-trichloroethane, No. 157: methanol or methyl alcohol** prescribed in List 4.1 Controlled Substances under the List 4, which is responsible by the Food and Drug Administration.

1.2 **No. 5: Products used for text correction or removal or as solvent for chemicals used for text correction or removal or dry cleaning of fabric or other textile products** that are prescribed in List 4.3: Group of Controlled Products under the List 4, which is responsible by the Food and Drug Administration.

1.3 **No. 6: Hydrofluorocarbons** prescribed in List 5.4: Others under the List 5, which is responsible by the Department of Industrial Works.

Article 2 Following hazardous substances listed in the annex of this Notification shall be added to the List of hazardous substances which is annexed to the Notification of Ministry of Industry B.E. 2556, dated 28<sup>th</sup> August B.E. 2556 (2013), which has been amended by the Notification of Ministry of Industry (No. 2) B.E. 2558, dated 5<sup>th</sup> January B.E. 2558.

2.1 **No. 225: formaldehyde or methanol prescribed** in List 4.1: Controlled Substances under the List 4, which is responsible by the Food and Drug Administration.

2.2 **No. 489: cresol or methyl phenol, No. 490: HFC-245eb, No. 491: HFC-338mcc, No. 492: HFC-338mee, No. 493: HFC-356ffa, No. 494: HFO-1234yf, No. 495: HFO-1234ze, and No. 496: HFO-1336mzz-Z** prescribed in List 5.1: Controlled Substances under the List 5, which is responsible by the Department of Industrial Works.

Article 3 Producer, importer, exporter or possessor of hazardous substance type 2 or type 3 stipulated in this Notification, whose operations have been performed before the enforcement of this Notification, shall submit a notification of operation for hazardous substance

type 2 or submit the application for operation permit for hazardous substance type 3 within 30 days since the enforcement date of this Notification. If registration is required for any hazardous substances, the application for registration shall be submitted within such period as well.

Producer, importer, exporter or possessor of hazardous substance type 4 according to this Notification whose operations are performed before the enforcement of this Notification shall comply with the order of the official within 180 days since the enforcement date of this Notification.

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

Announced on the 14<sup>th</sup> December B.E. 2559 (2016)  
Atchaka Sibunruang  
Minister of Industry

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**List of Hazardous Substance**  
**Annexed to the Notification of Ministry of Industry on List of Hazardous Substances (No.3) B.E. 2559**

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

List 4.1 Controlled Substances

No.	Name of Hazardous Substance	CAS Number	Type of Hazardous Substance	Condition
3	1,1,2-trichloroethane	79-00-5	3	In products used in dry-cleaning of fabrics or other textile products including for text correction or removal or as solvent for chemicals used for text correction or removal except for the use in text correction products that are correction tapes or correction pens.
157	Methanol or methyl alcohol	67-56-1	1	As solvent in household products except when used in the text correction products that are correction tapes or correction pens.
225	Formaldehyde or methanal	50-00-0	4	As active ingredients in products used in household or for public health as for disinfecting and cleaning of floors, walls, sanitary wares, and materials.

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

List 4.3 Group of Controlled Products

No.	Name of Hazardous Substance	CAS Number	Type of Hazardous Substance	Condition
5	In products used in households or for public health as for text correction or removal or as solvent for chemicals used for text correction or removal or dry-cleaning of fabrics or textile products.	-	2	Except 1. Correction tape or 2. Water-based correction products or 3. Correction pens

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**List 5: Responsible by Department of Industrial Works**

List 5.4 Others

No.	Name of Hazardous Substance	CAS Number	Type of Hazardous Substance	Condition
6	Hydrofluorocarbons	-	1	

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**List 5: Responsible by Department of Industrial Works**

List 5.1: Controlled Substances

No.	Name of Hazardous Substance	CAS Number	Type of Hazardous Substance	Condition
489	Cresol or methyl phenol	1319-77-3	2	
490	HFC-245eb	431-31-2	3	
491	HFC-338mcc	662-35-1	3	
492	HFC-338mee	377-36-6	3	
493	HFC-356ffa	407-59-0	3	
494	HFO-1234yf	754-12-1	3	
495	HFO-1234ze	1645-83-6 29118-24-9	3	
496	HFO-1336mzz-Z	692-49-9	3	