



中华人民共和国生态环境部
Ministry of Ecology and Environment of the People's Republic of China



Progress in Environmental Management Policy on Chemicals in China

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1. Implement environmental management registration system for new chemicals



**中华人民共和国生态环境部**
Ministry of Ecology and Environment of the People's Republic of China

政府信息公开

名 称	新化学物质环境管理登记办法		
索 引 号	000014672/2020-00609	分 类	固体废物与化学品管理
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新化学物质环境管理登记办法

《新化学物质环境管理登记办法》已于2020年2月17日由生态环境部部务会议审议通过，现予公布，自2021年1月1日起施行。2010年1月19日原环境保护部发布的《新化学物质环境管理办法》（环境保护部令7号）同时废止。

部长 黄润秋
2020年4月29日

Measures on Environmental Management Registration of New Chemical Substances

Order No. 12 of MEE

Release date: April 29, 2020

Effective date: January 1, 2021

1. Implement environmental management registration system for new chemicals



(1) Scope of application

Not Applicable	Exemption
➤ Medicine (incl. APIs), pesticide (incl. pesticide prodrug), veterinary drug, cosmetic, food, food additive, feed, feed additive, fertilizer, etc. (excluding the above-mentioned items which are used for industrial purpose, and the raw materials or intermediates for the above-mentioned items.) ➤ Radioactive material.	➤ Naturally occurring substances Unprocessed or only physically processed; Extracted from the air in any way; Natural polymers that have not been chemically processed; Living substances whose chemical structure have not been changed through chemical processing. ➤ Non-commercial or unintentionally produced substances Impurities; Chemical products; Waste water, waste gas, solid waste and by-products from the reaction. ➤ Other special categories For example: materials; alloys; non-separating intermediates; articles...



1. Implement environmental management registration system for new chemicals

(2) Applicant

Produce Import Process



Enterprises engaged in the production or import of new chemical substances in China



Production and trading enterprises intending to export new chemical substances to China

Applicant qualification

Enterprises in China registered in accordance with laws and able to independently bear legal responsibilities;
Overseas enterprises shall appoint a Chinese enterprise as an agent to jointly fulfill obligations and bear responsibilities.

Producers, importers or processors of medicine, pesticides, cosmetics etc which are intended to be used for industrial purpose



Producers, importers or processors of chemical substances that have been listed in the IECSC and are subject to environmental management for new uses and intended to be used for industrial purposes other than permitted uses

1. Implement environmental management registration system for new chemicals



(3) Registration type

+ Regular registration ($Q \geq 10\text{t/y}$)

Materials to be submitted:

- ☐ Application form;
- ☐ Test reports or data on physicochemical properties, health toxicity and ecotoxicity;
(The ecotoxicity test reports shall include test data acquired in accordance with relevant standards using tested organisms from China)
- ☐ Environmental risk assessment report;
- ☐ Commitment to implement and transmit the environmental risk control measures and environmental management requirements;
- ☐ Other information the applicant has already known on environmental and health hazard characteristics and environmental risks;
- ☐ Socio-economic benefit analysis materials (for high-hazard chemicals).



(3) Registration type

+ Simplified registration ($1\text{t/y} \leq Q < 10\text{t/y}$)

Materials to be submitted:

- ❑ Application form;
- ❑ Test reports or data on physicochemical properties, persistence, bioaccumulation and aquatic ecotoxicity; (The ecotoxicity test reports shall include test data acquired in accordance with relevant standards using tested organisms from China)
- ❑ Commitment to implement and transmit the environmental risk control measures;
- ❑ Other information the applicant has already known on environmental and health hazard characteristics and environmental risks.

1. Implement environmental management registration system for new chemicals



(3) Registration type

+ Record ($Q < 1\text{t/y}$; Polymers with less than 2% new chemical monomers or reactants; Polymers of low concern)

Materials to be submitted:

- ☐ Record form;
- ☐ Materials that certify to meet the corresponding condition;
- ☐ Commitment to implement and transmit the environmental risk control measures;
- ☐ Other information the applicant has already known on environmental and health hazard characteristics and environmental risks.

The applicant can start activities in accordance with the record after submitting the materials.



(3) Registration type

+ Serial registration

- An applicant applies for registration of multiple substances with similar molecular structure, the same or similar uses, and similar test data.
- The quantity applied is the sum of the quantity for all substances.

+ Joint registration

- Two or more applicants jointly submit application materials and apply for registration of the same substance at the same time.
- The quantity applied is the sum of the quantity for all applicants.

1. Implement environmental management registration system for new chemicals



(3) Registration type

+ New use environmental management registration

Regular registered new chemical substances shall be included in the IECSC after five years since first registered. The following substances included in the IECSC shall be subject to new uses environmental management.

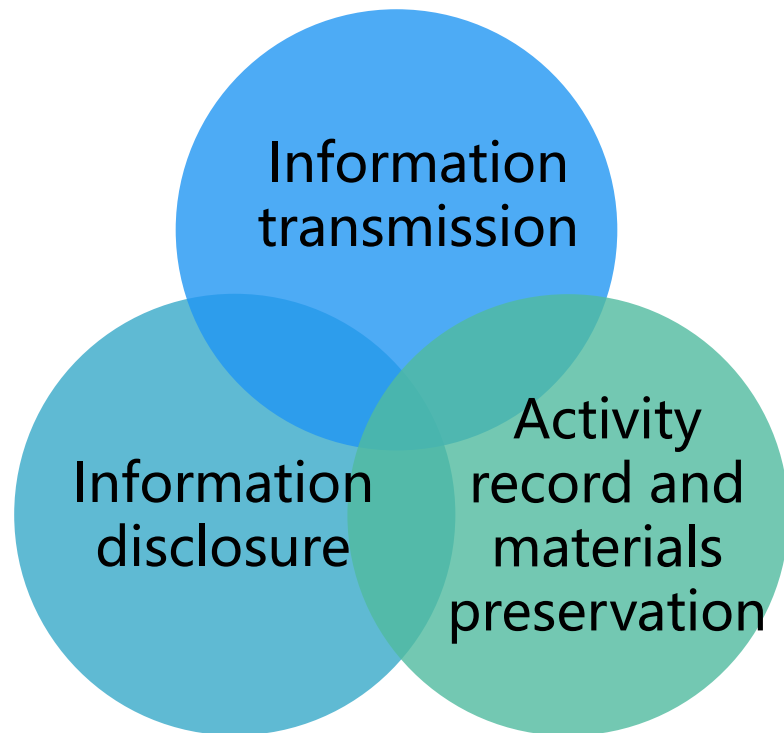
- High-hazard chemical substances (The holder of the registration certificate changes use, or others use the substance for industrial purpose)
- PB, PT, BT substances (used for industrial purpose other than permitted uses)

Materials to be submitted:

- ❑ Application form;
- ❑ Environmental exposure assessment reports and environmental risk control measures for new uses;
- ❑ Socio-economic benefit analysis materials (for high-hazard chemicals).



(4) Enterprise obligation



The Information transmitted: registration certificate number or record receipt number, applied use, environmental and health hazard characteristics and environmental risk control measures, environmental management requirements.

Establish record system of new chemical substances activity; Regular and simplified registration materials and activity records shall be kept for at least 10 years; Record materials and activity records shall be kept for at least 3 years.

Regular registration: Producers and processors should disclose the information on implementation of environmental risk control measures and environmental management requirements.



(4) Enterprise obligation





Technical specification for nomenclature of chemical substances for environmental management
(HJ 1357-2024) 🖱️

Release date: March, 2024

Objective: To standardize the naming of chemical substances in environmental management, support new chemical substances environmental management registration, management of the IECSC, and environmental risk assessment and control of chemical substances.

Naming requirements:

Chemicals with definite constituent	Mono-constituent substance	
	Multi-constituent substance	
Chemicals without definite constituent	Polymer	
	UVCB	Chemical substances with variable carbon chain length
		Chemical substances from oil, coal, etc
		Enzyme chemicals



Technical guidance for aquatic toxicity testing of difficult test chemicals (Draft for Comment)

The period for soliciting opinions: December 20, 2024 to February 17, 2025

Objective: To standardize the aquatic toxicity testing of difficult test chemicals, support the environmental management registration of new chemical substances and the environmental risk assessment of chemical substances.

Main contents:

Difficult test attribute identification	
Insoluble	Colored
Volatile	Hydrophobic
degradable (photolysis, hydrolysis, oxidation, Biodegradation)	Ionized
Adsorptive	Multi-constituent
Complexed	unknown and complex composition

Improvement of testing methods
Preparation of the test solution
Selection and maintenance of exposure systems
Sample collection and preservation
... ..

Analysis of exposure
concentration and
characterization of
toxicity results

3. Supplement to the List of Existing Chemical Substances in China (IECSC)



Announcement on Supplementing and Amending the List of Existing Chemical Substances in China

Release date: April, 2025

- Supplement **44** chemical substances to List of Existing Chemical Substances in China

附件 1

增补《中国现有化学物质名录》清单 (2025 年第 1 批 总第 13 批)

Serial number	Chinese name	English name	Chinese alias	English alias	Molecular formula	Cas number or serial number
序号	中文名称	英文名称	中文别名	英文别名	分子式	CAS 号或流水号
1	2-羟基-4-甲硫基丁酸	Butanoic acid, 2-hydroxy-4-(methylthio)-			C ₅ H ₁₀ O ₂ S	583-91-5
2	二硫化二异丙基黄原酸酯	Diisopropyl xanthogen disulfide	促进剂 DIP	Accelerator DIP	C ₉ H ₁₆ O ₂ S ₄	105-65-7
3	4-硝基苯甲酸铵盐(1:1)	Benzoic acid, 4-nitro-, ammonium salt (1:1)	对硝基苯甲酸铵	Ammonium <i>p</i> -nitrobenzoate	C ₇ H ₅ NO ₄ .H ₃ N	19416-70-7
4	十二烷二酸铵盐(1:?)	Dodecanedioic acid, ammonium salt (1:?)			C ₁₂ H ₂₂ O ₄ .xH ₃ N	59864-79-8
5	柠檬酸三铵	Triammonium citrate			C ₆ H ₁₇ N ₃ O ₇	3458-72-8
6	1-(氯甲基)-4-氟苯	1-(Chloromethyl)-4-fluorobenzene	对氟氯苄; 4-氟氯苄; 4-氟苯甲基氯; 对氟苄氯; 4-氟苄氯	<i>p</i> -Fluorobenzyl chloride; 4-Fluorobenzyl chloride; Benzene, 1-(chloromethyl)-4-fluoro-	C ₇ H ₆ ClF	352-11-4
7	(2 <i>S</i> ,3 <i>S</i> ,5 <i>R</i>)-3-甲基-7-氧代-3-(1 <i>H</i> -1,2,3-三唑-1-基甲基)-4-硫杂-1-氮杂双环[3.2.0]庚烷-2-甲酸 4,4-二氧化物	4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3-methyl-7-oxo-3-(1 <i>H</i> -1,2,3-triazol-1-ylmethyl)-, 4,4-dioxide, (2 <i>S</i> ,3 <i>S</i> ,5 <i>R</i>)-	他唑巴坦	Tazobactam	C ₁₀ H ₁₂ N ₄ O ₅ S	89786-04-9

附件 2

已登记新化学物质列入《中国现有化学物质名录》清单 (2025 年第 1 批 总第 15 批)

Serial number	Chinese class name	English class name	Serial number	Scope of environmental management for new uses
序号	中文类名	英文类名	流水号	新用途环境管理范围
1.	卤代-二氢-氧代茚甲酸烷基酯	Halogeno-dihydro-oxoindene-carboxylic acid alkyl ester	9911	允许用途外其他工业用途。允许用途：农药中间体
2.	[烷基封端的(聚)烷基铝烷与二氧化硅反应产物的卤化物]与双(烷基-烷基环戊二烯)二卤代物(过渡金属)的反应产物	Aluminosiloxanes, alkyl, alkyl group-terminated, reaction products with silica, halogenated, reaction products with bis(alkyl-alkylcyclopentadienyl)dihalogeno (transition metal)	9912	
3.	[氨基-(烷基氨基)苯甲酰基]-(氮杂芳基)丙氨酸烷基酯	[Amino-(alkylamino)benzoyl]-(azaaryl) alanine alkyl ester	9913	
4.	取代-1 <i>H</i> -吡唑酮羧氟	1 <i>H</i> -Pyrazole-carbonyl fluoride, substituted	9914	允许用途外其他工业用途。允许用途：农药中间体
5.	卤磺酸盐金属盐	Halogenosulfonic acid alkali metal salt	9915	
6.	甲醛与芳香胺、苯二酚和芳香烯烃的调聚物	Formaldehyde, telomer with aromatic amine, benzenediol and aromatic alkene	9916	允许用途外其他工业用途。允许用途：建筑和施工作业粘结砂浆的固化剂
7.	N,N-双(取代烷基)牛油脂肪酰胺	Amides, tallow, N,N-bis(substituted alkyl)	9917	允许用途外其他工业用途。允许用途：润滑油添加剂
8.	烷氧基脂肪族二元醇	Alkyloxy(aliphatic polyol)	9918	

3. Supplement to the List of Existing Chemical Substances in China (IECSC)



Announcement on Supplementing and Amending the List of Existing Chemical Substances in China

Release date: April, 2025

- Change the permitted uses of **2** chemical substances in the List of Existing Chemical Substances in China

附件 3

变更《中国现有化学物质名录》中化学物质允许用途清单 (2025 年第 1 批 总第 1 批)

Serial number	Chinese class name	English class name	Serial number	Scope of environmental management for new uses
序号	中文类名	英文类名	流水号	新用途环境管理范围
1	支链烷基苯磺酸二烷基咪唑鎓盐	Imidazolium, dialkyl-, branched alkylbenzenesulfonates	9645	允许用途外其他工业用途。 允许用途：树脂用抗静电剂
2	磷酸二烷基酯的金属盐	Dialkyl phosphate metal salt	9608	允许用途外其他工业用途。 允许用途：汽车机油润滑添加剂、燃气发动机油润滑添加剂



3. Implement environmental management on Import and Export of toxic chemicals

Anyone who imports or exports toxic chemicals listed in the *Lists of Toxic Chemicals Strictly Restricted in China* shall apply to the MEE for a release notice.



List of Toxic Chemicals Strictly Restricted in China (2023)

MEE
MOFCOM
GACC

Release
time

October, 2023

Type of
substance

9

substance

Substances regulated under the Stockholm Convention, the Rotterdam Convention, the Minamata Convention and their related amendments:

1. Perfluorooctane sulfonic acid, its salts and perfluorooctane sulfonyl fluoride
2. Mercury (including mixtures composed of mercury and other substances containing at least 95 per cent mercury by weight, including alloys of mercury)
3. Tetramethyllead

4. Tetraethyllead
5. Polychlorinated terphenyls (PCTS)
6. Tributyltin compounds
7. Short-chain chlorinated paraffins
8. Decabde
9. Perfluorooctanoic acid, its salts and related compounds



Thanks



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