



Regulations for Environment and Safety in Mainland China

Hu Yang, Information Department

China Adhesives and Tape Industry Association (CATIA)

April 24, 2024



Contents

- 1. Industrial Policy Updates**
- 2. Legal Requirements for Plastic Pollution Treatment**
- 3. New Adhesive Standards Implemented in 2023**

1. Industrial Policy Updates

- China MEE (Ministry of Ecology and Environment): **Measures for Environmental Management and Registration of New Chemicals**, became effective as of January 1, 2021.

If the annual production or import volume of new chemical substances is more than 10 tons, **routine registration** of environmental management of new chemical substances shall be handled.

If the annual production or import volume of new chemical substances is more than 1 ton but less than 10 tons, a **simple registration** for environmental management of new chemical substances shall be handled.

1. Industrial Policy Updates

- In October 2021, China MEE (Ministry of Ecology and Environment): **Comprehensive Directory of Environmental Protection** (2021 Version).

“Adhesives based on epoxy resin”, “Two-component solvent-based polyurethane adhesive”, “polyacrylate adhesive”, “solvent-based chloroprene adhesive”, are listed as “high pollution and high environmental risk” products.

1. Industrial Policy Updates

- In November 2021, China MIIT (Ministry of Industry and Information Technology): **The 14th Five-Year Plan for Green Industrial Development.**

“Vigorously promote ... adhesive ... products with low (no) volatile organic content”, is explicitly proposed to reduce the use of hazardous substances at the sources.

1. Industrial Policy Updates

- In December 2021, China MIIT (Ministry of Industry and Information Technology): **Directory of Application Demonstration for the First Batch of Key New Materials** (2021 Version).

“Silicone sealant for anti-fog lamp”, “one-component polyurethane structural adhesive for automobile”, are listed into the Directory, which could obtain application insurance compensation and promote the market application and spread of key new material products.

1. Industrial Policy Updates

- In December 2023, China NDRC (National Development and Reform Commission) issued: **Guidance Catalog for Industrial Structure Adjustment** (2024 Version).

Adhesives with low VOCs content are **encouraged**, which are identified as new materials for the first time by national documents.

New, renovated and expanded production facilities for **Solvent-based Adhesives of Neoprene Rubber, Styrene Butadiene Thermoplastic Rubber, Polyurethane and Polyacrylate**, are **restricted**.

1. Industrial Policy Updates

- In October 2022, China NDRC (National Development and Reform Commission) and Ministry of Commerce: **Catalogue of Industries for Encourage Foreign Investment** (2022 Version).

Development and production of new downstream products of polyvinyl chloride (PVC) and organosilicon; Production of high-solid, solvent-free, water-based, electron beam curing, UV curing, reactive adhesives, and key raw materials including high-end butyl acrylate and high-end octyl acrylate, polyester polyol and curing agents; production of sealant, adhesive tapes and key raw materials; Production of water-based inks and adhesives, electron beam curing inks, ultraviolet-curing inks, and other low-volatile adhesives; Production of high-performance coatings, adhesives.

2. Legal Requirements for Plastic Pollution Treatment

- In January 2020, China NDRC (National Development and Reform Commission) and MEE (Ministry of Ecology and Environment: **Opinions on Further Strengthening the Treatment of Plastic Pollution.**

By 2022, the consumption of disposable plastic products will be significantly reduced, alternative products will be promoted, and the proportion of plastic waste recycling and energy utilization will be greatly increased.

By 2025, the management system for production, circulation, consumption, recycling and disposal of plastic products will be basically established.

2. Legal Requirements for Plastic Pollution Treatment

- In September 2021, China NDRC (National Development and Reform Commission) and MEE (Ministry of Ecology and Environment): **"Fourteenth Five-Year Plan" Action Plan for Plastic Pollution Control.**

By 2025, the plastic pollution control mechanism will operate more effectively, the responsibilities of local authorities, departments and enterprises will be effectively implemented, the whole chain of plastic production, circulation, consumption, recycling and end treatment will be more effective, and white pollution will be effectively curbed.

3. New Adhesive Standards Implemented in 2023

GB/T 2794-2022	Determination for viscosity of adhesives	May 1, 2023
HG/T 6059-2022	Evaluation requirements for green factory in polyurethane resin industry	April 1, 2023
HG/T 6099-2022	Adhesive for label	April 1, 2023
HG/T 6100-2022	Acrylic thermal curing sealant for infiltration of metal die casting	April 1, 2023
JC/T 482-2022	Polyurethane sealant for building	April 1, 2023
JC/T 483-2022	Polysulfide sealant for building	April 1, 2023
SJ/T 11187-2023	General specification for surface mounting adhesives	November 1, 2023

Thank you



China Adhesives and Tape Industry Association (CATIA)

Address: Room 2107, Tower B, Tianyuangang Center, No. 2 Dongsanhuan North Road, Chaoyang District, Beijing 100027, China

Tel: +86-10-8766 3304

Fax: +86-10-8766 3015

E-mail: hu@catia-china.com

[http: // www.catia-china.com](http://www.catia-china.com)

