
Strategies for Responses to New POPs in China

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→ Status of New POPs



→ Major Problems



→ Strategies

1. Status of New POPs——An Overview

- **PFOS**: still in production, universal use and import/export
- **Lindane, -benzene, -benzene**: Production and use stopped
- **Commercial pentaBDE**: Production stopped, product still in use and import of waste in nowadays
- **Pentachloro-benzene**: Intermediate product of pentachloronitro-benzene, source of accidental discharge unspecified
- **Chlordecone, hexabromo-benzene and commercial octaBDE**: No previous production and use, but **commercial octaBDE**-containing products or waste are being imported

1. Status of New POPs——PFOS

- Production: 10 manufacturers, total production in 2008 approximately 250 tones;
 - Main uses: tri-prevention finishing agent, fluorine-containing chromic acid fog inhibitor, sulfluramid material, fire extinguishing foam, PAG in integrated semiconductor etching;
 - Substitution: no effective and economical substitutes.
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1. Status of New POPs——Lindane

- Production: Only 1 manufacturer
 - Main uses:
 - Agriculture: for prevention and control of wheat midges and locusts;
 - Sanitation: skin topical for treatment of scabies and crabs.
 - Substitution: a number of substitutes in market
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1. Status of New POPs——

Commercial PentaBDE

- Production: ceased in 2004
 - Main uses: used to be used as fire retardant
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1. Status of New POPs——

Pentachlorobenzene

- Main uses: for producing pentachloronitrobenzene pesticide, and in the form of impurity
 - Source of byproduct discharge: waste incineration in steelmaking, papermaking and cement industries
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2. Major Problems

- More information on production, use, import/export and discharge/contamination of new POPs is needed;
- More policies, regulations and standards related to new POPs need to be established;
- Monitoring capacity needs to be strengthened and monitoring methods need to be improved (especially on PFOS);
- Effective and economical substitutes and substitution technologies (especially on PFOS) need to be developed;
- Prominent problem of soil pollution in some regions (including commercial pentaBDE waste dismantling sites);
- Public awareness needs to be improved.

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3. Strategies

- To conduct all-around investigation on new POPs list;
 - To strengthen new POPs-related policies, regulations and standards;
 - To enhance the capacity of new POPs monitoring and strengthen the supervision;
 - To develop or introduce economical and applicable substitutes and substitution technologies;
 - To select technologies on new POPs contaminated site restoration;
 - To carry out publicity and training activities for improving public awareness.
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**Thank you for your
attention !**
