

Hazardous Substances (HS) Licensing Control

- Proposed Control of New Hazardous Substances under EPMA

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Overview on Regulatory Control of Hazardous Substances

Import/Export



Transportation



Storage



Disposal



Licensing Control

- Companies importing, exporting and selling HS require a **Hazardous Substances Licence**

Transport Approval

- Designated transportation routes & timings
- Stipulated guidelines for tankers
- Requirements on vehicle & driver

Permit Control

- End-users storing or using HS require a **Hazardous Substances Permit**

Toxic Industrial Waste

- Engage licensed **Toxic Industrial Waste Collectors** for proper treatment and disposal of toxic waste

- Environmental Protection and Management Act (EPMA) and its Second Schedule
- EPM (Hazardous Substances) Regulations and its Schedule

- Environmental Public Health (Toxic Industrial Waste) Regulations and its Schedule

Multilateral Environmental Agreements (MEAs)

- NEA stays informed of international developments through the MEAs and meets its obligations by implementing measures on the controlled chemicals.
- Chemicals listed under the MEAs are included for control as HS under the EPMA and EPM (HS) Regs



To protect human health and the environment by eliminating or reducing the production and/or release of persistent organic pollutants (POPs)
- POPs are controlled as HS under the EPMA and EPM (HS) Regs



Regulate the international movement of certain hazardous chemicals and pesticides through the Prior Informed Consent (PIC) procedure
- PIC chemicals are controlled as HS under the EPMA and EPM (HS) Regs

Chemicals under Review by MEAs

S/N	Chemical Name	MEA	Common Uses
1	Pentadecafluorooctanoic acid (PFOA), its salts and PFOA-related compounds	Stockholm Convention	<ul style="list-style-type: none"> • Production of fluoropolymers • Common household appliances (e.g. non-stick cookware)
2	Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS – related compounds	Stockholm Convention	<ul style="list-style-type: none"> • Manufacture of surfactants, fluoropolymers, water and stain protective coatings
3	Benzidine and its salts	Rotterdam Convention	<ul style="list-style-type: none"> • Manufacture of plastic films, rubber compounds etc • Lab analysis (e.g. detection of blood)
4	Bis(chloromethyl) ether	Rotterdam Convention	<ul style="list-style-type: none"> • Manufacture of polymers, flame retardant fabrics • Lab analysis • Surface treatment of vulcanized rubber
5	Dinoterb	Rotterdam Convention	<ul style="list-style-type: none"> • Herbicide and rodenticide
6	Amitraz	Rotterdam Convention	<ul style="list-style-type: none"> • Insecticide and acaricide
7	Lambda-cyhalothrin	Rotterdam Convention	<ul style="list-style-type: none"> • Insecticide
8	Atrazine	Rotterdam Convention	<ul style="list-style-type: none"> • Herbicide
9	Paraquat Dichloride	Rotterdam Convention	<ul style="list-style-type: none"> • Herbicide
10	Acetochlor	Rotterdam Convention	<ul style="list-style-type: none"> • Herbicide
11	Hexazinone	Rotterdam Convention	<ul style="list-style-type: none"> • Herbicide

Proposed Control of New Hazardous Substances

Proposed Control

- To include the chemicals as Hazardous Substances under the EPMA and EPM(Hazardous Substances) Regulations for licensing control.
- This will enable NEA to restrict the use of the chemicals locally and to impose licensing conditions when the chemicals are listed under the Stockholm or Rotterdam Convention.

Industry Consultation

- NEA will be seeking feedback from industries on the proposed control of the chemicals.
- The consultation will gather industry's feedback on the uses of the chemicals in Singapore and any available alternatives.

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