



# ROTTERDAM CONVENTION

SECRETARIAT FOR THE ROTTERDAM CONVENTION  
ON THE PRIOR INFORMED CONSENT PROCEDURE  
FOR CERTAIN HAZARDOUS CHEMICALS AND PESTICIDES  
IN INTERNATIONAL TRADE



(2)

## FORM FOR NOTIFICATION

OF FINAL REGULATORY ACTION TO BAN OR SEVERELY RESTRICT  
A CHEMICAL

Country:

Japan

### SECTION 1

### IDENTITY OF CHEMICAL SUBJECT TO THE FINAL REGULATORY ACTION

1.1 Common name

Hexabromocyclododecane

1.2 Chemical name according to  
an internationally  
recognized nomenclature  
(e.g. IUPAC), where such  
nomenclature exists

Hexabromocyclododecane

1.3 Trade names and names of  
preparations

Cyclododecane, hexabromo

1.4 Code numbers

1.4.1 CAS number

25637-99-4

1.4.2 Harmonized System  
customs code

2903.89

1.4.3 Other numbers  
(specify the numbering  
system)

**1.5 Indication regarding previous notification on this chemical, if any**

1.5.1 ☒ This is a first time notification of final regulatory action on this chemical.

1.5.2 ☐ This notification replaces all previously submitted notifications on this chemical.

Date of issue of the previous notification: \_\_\_\_\_

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**SECTION 2**

**FINAL REGULATORY ACTION**

2.1 The chemical is: ☒ **banned** OR ☐ **severely restricted**

**2.2 Information specific to the final regulatory action**

**2.2.1 Summary of the final regulatory action**

This chemical is designated as Class I Specified Chemical Substances. It is prohibited to manufacture, import or use this chemical substance.

**2.2.2 Reference to the regulatory document, e.g. where decision is recorded or published**

The Chemical Substances Control Law (CSCL) and its Enforcement Order

**2.2.3 Date of entry into force of the final regulatory action**

1st May, 2014

**2.3 Category or categories where the final regulatory action has been taken**

2.3.1 All use or uses of the chemical in your country prior to the final regulatory action

Flame retardant

2.3.2 Final regulatory action has been taken for the category ☒ Industrial

Use or uses prohibited by the final regulatory action

All uses

Use or uses that remain allowed (only in case of a severe restriction)

2.3.3 Final regulatory action has been taken for the category ☐ Pesticide

Formulation(s) and use or uses prohibited by the final regulatory action

Formulation(s) and use or uses that remain allowed  
(only in case of a severe restriction)



2.4 Was the final regulatory action based on a risk ☒ Yes  
or hazard evaluation?

☐ No (If no, you may also  
complete section 2.5.3.3)

2.4.1 If yes, reference to the relevant documentation, which describes the hazard or  
risk evaluation

Japanese government designates chemical substances that are persistent, highly  
bioaccumulative, and have long-term toxicity for humans as Class I Specified  
Chemical Substances to be banned under the CSCL. As a result of internal  
evaluation using the scientific data found in Risk profile prepared by POPs  
Review Committee, Japanese authorities concluded that this chemical meets the  
criteria to be designated as Class I Specified Chemical Substances under the  
CSCL.

2.4.2 Summary description of the risk or hazard evaluation upon which the ban or  
severe restriction was based.

2.4.2.1 Is the reason for the final regulatory action relevant to human ☒ Yes  
health?

☐ No

If yes, give summary of the hazard or risk evaluation related to human health,  
including the health of consumers and workers

This chemical is persistent, highly bioaccumulative and has long-term toxicity to  
humans.

Expected effect of the final regulatory action

Reduction of human exposure to this substance as its use is phased out.

2.4.2.2 Is the reason for the final regulatory action relevant to the ☐ Yes  
environment?

☐ No

If yes, give summary of the hazard or risk evaluation related to the environment

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Expected effect of the final regulatory action

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**2.5 Other relevant information regarding the final regulatory action**

**2.5.1 Estimated quantity of the chemical produced, imported, exported and used**

	Quantity per year (MT)	Year
produced		
imported		
exported		
used		

**2.5.2 Indication, to the extent possible, of the likely relevance of the final regulatory action to other states and regions**

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**2.5.3 Other relevant information that may cover:**

**2.5.3.1 Assessment of socio-economic effects of the final regulatory action**

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**2.5.3.2 Information on alternatives and their relative risks, e.g. IPM, chemical and non-chemical alternatives**

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2.5.3.3 Basis for the final regulatory action if other than hazard or risk evaluation

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2.5.3.4 Additional information related to the chemical or the final regulatory action, if any

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**SECTION 3                      PROPERTIES**

**3.1      Information on hazard classification where the chemical is subject to classification requirements**

**International classification systems**

e.g. WHO, IARC, etc.

**Hazard class**


**Other classification systems**

e.g. EU, USEPA

**Hazard class**


**3.2      Further information on the properties of the chemical**

**3.2.1    Description of physico-chemical properties of the chemical**

Appearance at normal temperature and pressure: White odourless solid Water solubility: 65.6 µg/L (HBCD technical product, sum of α-HBCD, β-HBCD, γ-
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HBCD)

Vapour pressure:  $6.3 \times 10^{-5}$  Pa (21 °C)

Log Kow: 5.62 (technical product)

Melting Point: 172-184°C, 201-205°C (Range from approximately)

Boiling Point: Decomposes at >190°C

Reference

"Risk profile on Hexabromocyclododecane"

(adopted by the Persistent Organic Pollutants Review Committee at its sixth meeting)

### 3.2.2 Description of toxicological properties of the chemical

"Risk profile on Hexabromocyclododecane"

(adopted by the Persistent Organic Pollutants Review Committee at its sixth meeting) (2.4.5, "Human toxicity")

Reference

### 3.2.3 Description of ecotoxicological properties of the chemical

"Risk profile on Hexabromocyclododecane"

(adopted by the Persistent Organic Pollutants Review Committee at its sixth meeting)

(2.4.1 Ecotoxicity to aquatic organisms, 2.4.2 Toxicity in soil organisms and plants, 2.4.3 Toxicity in birds, 2.4.4 Toxicity in terrestrial mammals)

Reference

## SECTION 4

## DESIGNATED NATIONAL AUTHORITY

Institution	Global Environment Division, International Cooperation Bureau, Ministry of Foreign Affairs of Japan
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Date, signature of DNA and official seal: 10/31/2016



**PLEASE RETURN THE COMPLETED FORM TO:**

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of the United Nations (FAO)  
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**OR**

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**Definitions for the purposes of the Rotterdam Convention according to Article 2:**

(a) 'Chemical' means a substance whether by itself or in a mixture or preparation and whether manufactured or obtained from nature, but does not include any living organism. It consists of the following categories: pesticide (including severely hazardous pesticide formulations) and industrial;



(b) 'Banned chemical' means a chemical all uses of which within one or more categories have been prohibited by final regulatory action, in order to protect human health or the environment. It includes a chemical that has been refused approval for first-time use or has been withdrawn by industry either from the domestic market or from further consideration in the domestic approval process and where there is clear evidence that such action has been taken in order to protect human health or the environment;

(c) 'Severely restricted chemical' means a chemical virtually all use of which within one or more categories has been prohibited by final regulatory action in order to protect human health or the environment, but for which certain specific uses remain allowed. It includes a chemical that has, for virtually all use, been refused for approval or been withdrawn by industry either from the domestic market or from further consideration in the domestic approval process, and where there is clear evidence that such action has been taken in order to protect human health or the environment;

(d) 'Final regulatory action' means an action taken by a Party, that does not require subsequent regulatory action by that Party, the purpose of which is to ban or severely restrict a chemical.