



ROTTERDAM CONVENTION

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



3)

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

Polychlorinated naphthalenes (Cl:2≤)

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

Naphthalene, chloro derivatives (Cl:2≤)

1.3 Trade names and names of
preparations

Chlorinated naphthalene, Naphthalene
polychlorinated, Polychloronaphthalene,
PCN, Halowax

1.4 Code numbers

1.4.1 CAS number

28699-88-9, 1321-65-9, 1335-88-2, 1321-64-
8, 1335-87-1, 32241-08-0, 2234-13-1

1.4.2 Harmonized System
customs code

2903.99

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: 1st September, 2004

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 April, 2016

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

Material for condenser oil, electrode and lubricant (Polychlorinated naphthalenes (Cl:3 ≤))

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 or hazard evaluation? Yes

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 health? Yes

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 environment? Yes

No

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

[Empty box]

Expected effect of the final regulatory action

[Empty box]

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

[Empty box]

2.5.3 Other relevant information that may cover:

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

[Empty box]

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

[Empty box]

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: colourless, crystalline compounds
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Di-CNs

Water solubility: 137-862µg/L

Vapour pressure: 0.198–0.352Pa (sub-cooled liquid, 25°C)

Log Kow: 4.2–4.9

Log Koa: 6.55-7.02

Log Kaw: -2.83 to -1.98

Melting Point: 37–138°C

Boiling Point: 287–298°C

Tri-CNs

Water solubility: 16.7-65µg/L

Vapour pressure: 0.0678–0.114Pa (sub-cooled liquid, 25°C)

Log Kow: 5.1–5.6

Log Koa: 7.19-7.94

Log Kaw: -3.35 to -2.01

Melting Point: 68–133°C

Boiling Point: 274°C

Tetra-CNs

Water solubility: 3.7-8.3µg/L

Vapour pressure: 0.0108–0.0415Pa (sub-cooled liquid, 25°C)

Log Kow: 5.8–6.4

Log Koa: 7.88-8.79

Log Kaw: -3.54 to -2.02

Melting Point: 111–198°C

Boiling Point: Unknown

Penta-CNs

Water solubility: 7.30µg/L

Vapour pressure: 0.00275–0.00789Pa (sub-cooled liquid, 25°C)

Log Kow: 6.8-7.0

Log Koa: 8.79-9.40

Log Kaw: -3.73 to -2.3

Melting Point: 147–171°C

Boiling Point: 313°C

Hexa-CNs

Water solubility: 0.11µg/L

Vapour pressure: 0.00157–0.000734Pa (sub-cooled liquid, 25°C)

Log Kow: 7.5-7.7

Log Koa: 9.62-10.17

Log Kaw: -4.13 to -3.04

Melting Point: 194°C

Boiling Point: 331°C

Hepta-CNs

Water solubility: 0.04µg/L

Vapour pressure: 2.78×10^{-4} , 2.46×10^{-4} Pa (sub-cooled liquid, 25°C)

Log Kow: 8.2

Log Koa: 10.68-10.81

Log Kaw: -4.34 to -4.11

Melting Point: 194°C

Boiling Point: 348°C

Octa-CNs

Water solubility: 0.08µg/L

Vapour pressure: 1.5×10^{-6} Pa (sub-cooled liquid, 25°C)

Log Kow: 6.42–8.50

Log Koa: 11.64

Log Kaw: -5.21

Melting Point: 198°C

Boiling Point: 365°C

Reference

"Risk profile on Chlorinated naphthalenes"

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

3.2.2 Description of toxicological properties of the chemical

"Risk profile on Chlorinated naphthalenes"

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

(2.4 especially, "Toxicity in humans")

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Reference

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3.2.3 Description of ecotoxicological properties of the chemical

"Risk profile on Chlorinated naphthalenes"

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

(2.4 Hazard assessment for endpoints of concern)

Reference

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SECTION 4

DESIGNATED NATIONAL AUTHORITY

Institution	Global Environment Division, International Cooperation Bureau, Ministry of Foreign Affairs of Japan
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Name of person in charge	Hiroyuki Nishiura
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Date, signature of DNA and official seal: _____

10/31/2016

西浦 丁男



PLEASE RETURN THE COMPLETED FORM TO:

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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.