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**Rotterdam Convention on the Prior Informed
Consent Procedure for Certain Hazardous
Chemicals and Pesticides in International Trade
Chemical Review Committee**

First meeting

Geneva, 11–18 February 2005

Item 7 (n) of the provisional agenda*

**Inclusion of chemicals in Annex III of the Rotterdam Convention:
review of notifications of final regulatory actions to ban
or severely restrict a chemical: tributyl tin compounds****Tributyl tin compounds****Note by the secretariat**

1. In line with article 5 of the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade, when the secretariat has received at least one notification from each of two prior informed consent (PIC) regions that contain the information required in Annex I to the Convention, it shall forward the notifications and accompanying documentation to the members of the Chemical Review Committee. The Committee shall review the information provided in such notifications and, in accordance with the criteria set out in Annex II, recommend to the Conference of the Parties whether the chemical in question should be included in Annex III and a decision guidance document drafted.

2. The secretariat has received three notifications from two PIC regions that meet the information requirements of Annex I relating to tributyl tin compounds (Europe – European Community; and Asia – Japan and Republic of Korea). Summaries of these notifications were included in PIC Circular XI, June 2000; PIC Circular XVII, June 2003; and PIC Circular XX, for December 2004. Since the publication of document UNEP/FAO/RC/CRC.1/27, the secretariat has verified a new notification from Japan, which replaces the previous notification. The notification as received from Japan is annexed to the present note.

* UNEP/FAO/RC/CRC.1/1.

3. The notifications from Japan and the European Community were considered by the interim Chemical Review Committee at its fourth session. The interim Chemical Review Committee concluded that:

“the notification and supporting documentation from Japan did not include a risk evaluation under prevailing conditions in Japan. The task group had concluded that in the case of the notification from Japan there was insufficient evidence to show that the criteria in Annex II had been met. The task group concluded that the notification and supporting documentation from the European Community met the criteria for inclusion in the list of chemicals in the interim PIC procedure.

“Taking into consideration the comments received from the task group, the Committee agreed that the notification on tributyl tin received from the European Community was complete and met the criteria for inclusion in the interim PIC procedure in the pesticides category but that since the notification from Japan did not meet the criteria there was only one complete notification for tributyl tin at this time. The Committee concluded that, pending the receipt of further notifications on tributyl tin from a PIC region other than Europe, tributyl tin could not be proposed for inclusion in the list of chemicals under the interim PIC procedure.”¹

4. Following receipt of the notification from the Republic of Korea, the secretariat has forwarded these notifications for review by the Chemical Review Committee.

5. The supporting documentation provided by Japan and the European Community that was available to the interim Chemical Review Committee at its fourth session and the supporting documentation submitted by the Republic of Korea, where available, will be found in documents UNEP/FAO/RC/CRC.1/27/Add.1, Add.2 and Add.3, respectively.

¹ Report of the interim Chemical Review Committee on the work of its fourth session (UNEP/FAO/PIC/ICRC/4/18, paras. 73 and 74).

Annex



FORM FOR NOTIFICATION OF FINAL REGULATORY ACTION TO BAN OR SEVERELY RESTRICT A CHEMICAL

IMPORTANT: See instructions before filling in the form

COUNTRY: JAPAN

PART I: PROPERTIES, IDENTIFICATION AND USES

1. IDENTITY OF CHEMICAL		
1.1	Common name	Bis(tributyltin)=oxide
1.2	Chemical name according to an internationally recognized nomenclature (e.g. IUPAC), where such nomenclature exists	Bis(tri-n-butyltin) oxide; Tributyltin oxide; TBTO; hexabutyldistannoxane; Bis(tributyltin)oxide; Bis(tri-normal-butyltin) oxide; bis(tributyloxyde) of tin; bis(tributylstannyl) oxide; BTO; hexabutylditin; oxybis(tributyltin); tri-n-butylstannane oxide; TBOT; Hexabutlydistannoxane; Tributyltin trioxide; Bis(tri-n-tributyltin)oxide
1.3	Trade names and names of preparations	biomet tbto; Butinox; C-SN-9; L.S. 3394; Interlux Micron; Interswift BKA007; Super Sea Jacket; Sigmaplane 7284; Navicote 2000; AF-SeafloZ-100; HBD; AW 75-D; Biomet; Biomet 75
1.4	Code numbers	
1.4.1	CAS number	56-35-9
1.4.2	Harmonized System customs code	2931.00
1.4.3	Other numbers (specify the numbering system)	

PLEASE RETURN THE COMPLETED FORM TO:

Interim Secretariat for the Rotterdam Convention
Plant Protection Service
Plant Production and Protection Division, FAO
Viale delle Terme di Caracalla
00100 Rome, Italy

OR

Interim Secretariat for the Rotterdam Convention
UNEP Chemicals

11-13, Chemin des Anémones
CH - 1219 Châtelaine, Geneva, Switzerland

Tel: (+39 06) 5705 3441
Fax: (+39 06) 5705 6347
E-mail: pic@fao.org

Tel: (+41 22) 917 8183
Fax: (+41 22) 797 3460
E-mail: pic@unep.ch

1.5 Indication regarding previous notification on this chemical, if any	
1.5.1	<input type="checkbox"/> This is a first time notification of final regulatory action on this chemical.
1.5.2	<input type="checkbox"/> This is a modification of a previous notification of final regulatory action on this chemical. The sections modified are: _____ <input checked="" type="checkbox"/> This notification replaces all previously submitted notifications on this chemical.
Date of issue of the previous notification: <u>September 24, 1999</u>	

1.6 Information on hazard classification where the chemical is subject to classification requirements	
International classification systems	Hazard class
IARC	ND
WHO/recommended classification of pesticides by hazard	O(obsolete)
UN Recommendations on the Transport of Dangerous Goods	UN Number 2783,2784,2788,3019,3020,3146; Class 6.1, 3
Other classification systems	Hazard class

1.7 Use or uses of the chemical	
1.7.1	<input type="checkbox"/> Pesticide. Describe the uses of the chemical as a pesticide in your country: _____
1.7.2	<input checked="" type="checkbox"/> Industrial Describe the industrial uses of the chemical in your country: _____ It was used for producing other TBTs and antifouling paint.

1.8 Properties**1.8.1 Description of physico-chemical properties of the chemical**

Mol Formula: C₂₄H₅₄OSn₂

Mol Weight: 596.08

Melting Pt: -45 deg C

Boiling Pt: 180 deg C at 2.00E+00 mm Hg

Water Solubility:

Value : 19.5 mg/L

Temp : n/a

Type : EXP

Ref : BLUNDEN,SJ ET AL. (1984)

Log P (octanol-water):

Value : 4.05

Type : EST

Ref : MEYLAN,WM & HOWARD,PH (1995)

Vapor Pressure:

Value : 7.5E-006 mm Hg

Temp : 20 deg C

Type : EXP

Ref : BLUNDEN,SJ ET AL. (1984)

pKa Dissociation Constant:

Value : n/a

Temp : n/a

Type : n/a

Ref : n/a

Henry's Law Constant:

Value : 3.02E-007 atm-m³/mole

Temp : 25 deg C

Type : EST

Ref : VP/WSOL

Atmospheric OH Rate Constant:

Value : 8.53E-011 cm³/molecule-sec

Temp : 25 deg C

Type : EST

Ref : MEYLAN,WM & HOWARD,PH (1993)

Source; Syracuse Research Corporation (SRC)

<http://esc.syrres.com/interkow/webprop.exe?CAS=57-74-9&submit=Submit+CAS>

1.8.2	Description of toxicological properties of the chemical (RTECS) LDL0 Oral: 50mg/kg (Rabbit) LD50 Oral: 87mg/kg (Rat) LD50 Oral: 55mg/kg (Mouse) LD50 Intraperitoneal: 5mg/kg (Rat) LD50 Intraperitoneal: 12500ug/kg (Mouse) LD50 Intravenous: 6mg/kg (Mouse) LD50 Skin: >300mg/kg (Rat) LD50 Skin: 163mg/kg (Mouse) LD50 Skin: 900mg/kg (Rabbit)
1.8.3	Description of ecotoxicological properties of the chemical

PART II: FINAL REGULATORY ACTION

2. FINAL REGULATORY ACTION	
2.1	The chemical is: <input checked="" type="checkbox"/> banned OR <input type="checkbox"/> severely restricted
2.2 Information specific to the final regulatory action	
2.2.1	Summary of the final regulatory action Ban on manufacture, import, sale and use.
2.2.2	Reference to the regulatory document <ul style="list-style-type: none"> • Law Concerning the Evaluation of Chemical Substances and Regulation of their Manufacture, etc. (abbrev. the Chemical Substances Control Law) and its Enforcement Order
2.2.3	Date of entry into force of the final regulatory action <ul style="list-style-type: none"> • <u>Law Concerning the Evaluation of Chemical Substances and Regulation of their Manufacture, etc.</u> : January 6, 1990

2.3	Was the final regulatory action based on a risk or hazard evaluation?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If yes, give information on such evaluation			
<p>The government of Japan anticipates that persistent and highly bio-accumulative chemical substances with long-term toxicity (e.g. PCBs) may cause irreversible environmental pollution and have adverse effects on human health or environment.</p> <p>In order to prevent environmental pollution, the Chemical Substances Control Law stipulates that hazardous properties of chemicals should be checked based on the existing knowledge or by the tests, which are consistent with the methods of the OECD Test Guidelines, conducted by the OECD GLP facilities.</p> <p>If persistent and highly bio-accumulative properties with long-term toxicity are detected from chemical substances, they are classified as Class I Specified Chemical Substances and are subject to the final regulatory action (ban on manufacture, import, and use).</p>			

	Reference to the relevant documentation BIODEGRADATION AND BIO ACCUMULATION DATA OF EXISTING CHEMICALS (by The Chemicals Evaluation and Research Institute, Japan: CERJ) http://qsar.cerij.or.jp/cgi-bin/DEGACC/result_head.cgi?STRID=00802&LANG=ENG
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2.4	Reasons for the final regulatory action	
2.4.1	Is the reason for the final regulatory action relevant to the human health? If yes, give summary of the known hazards and risks presented by the chemical to human health, including the health of consumers and workers	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	It is based on the result that existing toxic data were evaluated synthetically.	
	Reference to the relevant documentation Internal documents at the time of the examination.	
	Expected effect of the final regulatory action Should result in reduced human exposure to this substance as its use is phased out.	

2.4.2	Is the reason for the final regulatory action relevant to the environment? If yes, give summary of the known hazards and risks to the environment	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Reference to the relevant documentation	
	Expected effect of the final regulatory action	

2.5	Category or categories where the final regulatory action has been taken	
2.5.1	Final regulatory action has been taken for the chemical category Use or uses prohibited by the final regulatory action All uses	<input checked="" type="checkbox"/> Industrial
	Use or uses that remain allowed n/a	

2.5.2	Final regulatory action has been taken for the chemical category	<input type="checkbox"/> Pesticide
	Formulation(s) and use or uses prohibited by the final regulatory action	
	Formulation(s) and use or uses that remain allowed	

2.5.3 Estimated quantity of the chemical produced, imported, exported and used, where available.		
	Quantity per year (MT)	Year
Produced		
Imported		
Exported		
Used		

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

2.7	Other relevant information that may cover:
2.7.1	Assessment of socio-economic effects of the final regulatory action

2.7.2	Information on alternatives and their relative risks
2.7.3	Relevant additional information

PART III : GOVERNMENT AUTHORITIES

Ministry/Department and authority responsible for issuing/enforcing the final regulatory action	
Institution	Ministry of Economy, Trade and Industry (METI) Ministry of the Environment (MOE) Ministry of Health, Labour and Welfare (MHLW)
Address	METI: 1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8901, Japan MOE: 1-2-2 Kasumigaseki, Chiyoda-ku, Tokyo 100-8975, Japan MHLW: 1-2-2 Kasumigaseki, Chiyoda-ku, Tokyo 100-8901, Japan
Telephone	METI: +81-3-3501-0080 MOE: +81-3-5521-8253 MHLW: +81-3-3595-2298
Telefax	METI: +81-3-3580-6347 MOE: +81-3-3581-3370 MHLW: +81-3-3593-8913
E-mail address	
Designated National Authority	
Institution	Global Environment Division Ministry of Foreign Affairs
Address	2-2-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8919, Japan
Name of person in charge	Mr. Koichi Ito
Position of person in charge	Director
Telephone	+81-3-5501-8245
Telefax	+81-3-5501-8244
E-mail address	koichi.ito@mofa.go.jp

Date, signature of DNA and official seal: 01.09.2004. 伊藤康

