

Form 2

Dioxins and Furans

**Send filled form to
UNEP Chemicals**

15, Chemin des Anémones - Case postale 356
CH - 1219 Geneva, Switzerland
Telephone: +41 22 979 91 11
Facsimile: +41 22 797 34 60
E-mail: irptc@unep.ch

<u>Country (or region)</u> Japan	<u>Contact person</u>
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► IMPORTANT: See instructions before filling the form ◀

SECTION 1. Have studies been undertaken to identify the major sources of dioxins/furans in your country?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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Comments:

The major sources of dioxins and furans are waste incinerators.

SECTION 2.				
POTENTIAL OR IDENTIFIED MAJOR SOURCES OF DIOXINS AND FURANS IN YOUR COUNTRY				
Sources	Quantity released per year	Relative importance Major/Minor	Alternative processes or techniques(e.g. cleaner technologies) known to you	Relative cost and effectiveness of the alternative techniques
Asphalt mixing installations		Major <input type="checkbox"/> Minor <input type="checkbox"/>		
By-products of chlorinated substances manufacture		Major <input type="checkbox"/> Minor <input type="checkbox"/>		
Cable incineration		Major <input type="checkbox"/> Minor <input type="checkbox"/>		
Chemical industry		Major <input type="checkbox"/> Minor <input type="checkbox"/>		
Coal combustion		Major <input type="checkbox"/> Minor <input type="checkbox"/>		

Contaminated pesticides		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Forest/grass fire		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Fuel combustion		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
High temperature processes		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Wastes incineration		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Industrial processes		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Ironworks		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Landfill gas incineration		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Non-Fe metal industry oil combustion		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Other contaminated chemicals (e.g. PCBs)		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Pesticides		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Sintering processes		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Sludge incineration		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Steel industry		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Traffic emissions		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Transportation		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Waste incineration (Hazardous)		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Waste incineration (Municipal solid)	NA	Major <input checked="" type="checkbox"/>	<ul style="list-style-type: none"> • Modified incinerators • Additional filtered technique 	
		Minor <input type="checkbox"/>		
Waste incineration (Medical solid)		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Wood combustion		Major <input type="checkbox"/>		
		Minor <input type="checkbox"/>		
Other: _____		Major <input type="checkbox"/>		
_____		Minor <input type="checkbox"/>		

SECTION 3. RELEASE MONITORING

	Monitoring type	Short description(add separate page if needed)
3.1	Ambient air Yes <input type="checkbox"/> No <input type="checkbox"/>	

3.2	Ground water Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.3	Surface water Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.4	Point air Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.5	Point water Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.6	Soil Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.7	Ecosystem Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.8	Human Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Under research
3.9	Agricultural commodity Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.10	Food products Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Under research

Comments:

Data Source:

SECTION 4. REGULATORY ACTIONS TAKEN TO CONTROL THE USE OF THE POP

	Action type to control the manufacture, importation, distribution in commerce, use or disposal	Short description (add separate page if needed)	Reference
4.1	Public health standards or regulations <input checked="" type="checkbox"/>	Emission Standards of dioxins	
4.2	Occupational standards or regulations <input type="checkbox"/>		
4.3	Environmental standards or regulations <input checked="" type="checkbox"/>	Environmental Agency indicated the dioxins concentration in the atmospheric environment of 0.8pg-TEQ/m ³ N as a guideline for ambient air concentration of dioxin like compounds in Sep. 1997	
4.4	Guidance Document <input checked="" type="checkbox"/>	TDI = 10 pg/kg/day (tentative)	
4.5	Voluntary programme <input type="checkbox"/>		
4.6	Other (e.g., Governmental order) <input checked="" type="checkbox"/>	Dioxins emission is controlled by governmental order (see comments)	
4.7	No action <input type="checkbox"/>		

Comments:

Dioxin concentration in emission gas is regulated as follows: 0.1 ng/m³ – 5 ng/m³ depending on the size of a incinerator.