

## Form 2

### Dioxins and Furans

**Send filled form to  
UNEP Chemicals**

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<b><u>Country (or region)</u></b>	<b><u>Contact person</u></b>
Republic of Lebanon	Mrs. Alia Kaskas Dandashli

**▶ IMPORTANT: See instructions before filling the form ◀**

<b>SECTION 1.</b> Have studies been undertaken to identify the major sources of dioxins/furans in your country?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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Comments:  
Shortages of resources prevent research or monitoring actions from being taken.

Reference:  
Ministry of Environment

Date:  
1997

**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	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
By-products of chlorinated substances manufacture	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
Cable incineration	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
Chemical industry	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
Coal combustion	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
Contaminated pesticides	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
Forest/grass fire	NA	Major <input checked="" type="checkbox"/> Minor <input type="checkbox"/>	NA	NA

Fuel combustion	NA	Major <input checked="" type="checkbox"/> Minor <input type="checkbox"/>	NA	NA
High temperature processes	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
Wastes incineration	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	Incineration is not used any more and has been replaced by recycling and landfill.	NA
Industrial processes	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
Ironworks	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
Landfill gas incineration	NA	Major <input checked="" type="checkbox"/> Minor <input type="checkbox"/>	NA	NA
Non-Fe metal industry oil combustion	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
Other contaminated chemicals (e.g. PCBs)	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
Pesticides	NA	Major <input checked="" type="checkbox"/> Minor <input type="checkbox"/>	NA	NA
Sintering processes	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
Sludge incineration	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
Steel industry	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	NA	NA
Traffic emissions	NA	Major <input checked="" type="checkbox"/> Minor <input type="checkbox"/>	Adopting a strategy of using three way catalytic converters	NA
Transportation	NA	Major <input checked="" type="checkbox"/> Minor <input type="checkbox"/>	NA	NA
Waste incineration (Hazardous)	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	Landfill is under study	NA
Waste incineration (Municipal solid)	NA	Major <input type="checkbox"/> Minor <input checked="" type="checkbox"/>	Landfill	NA
Waste incineration (Medical solid)		Major <input checked="" type="checkbox"/> Minor <input type="checkbox"/>	A study is being conducted to search for solution	NA
Wood combustion		Major <input checked="" type="checkbox"/> Minor <input type="checkbox"/>	NA	NA
Other: _____ _____		Major <input type="checkbox"/> Minor <input type="checkbox"/>		

**SECTION 3. RELEASE MONITORING**

	Monitoring type	Short description( add separate page if needed)
<b>3.1</b>	Ambient air Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
<b>3.2</b>	Ground water Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
<b>3.3</b>	Surface water Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
<b>3.4</b>	Point air Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

3.5	Point water	
	Yes	<input type="checkbox"/>
	No	<input checked="" type="checkbox"/>
3.6	Soil	
	Yes	<input type="checkbox"/>
	No	<input checked="" type="checkbox"/>
3.7	Ecosystem	
	Yes	<input type="checkbox"/>
	No	<input checked="" type="checkbox"/>
3.8	Human	
	Yes	<input type="checkbox"/>
	No	<input checked="" type="checkbox"/>
3.9	Agricultural commodity	
	Yes	<input type="checkbox"/>
	No	<input checked="" type="checkbox"/>
3.10	Food products	
	Yes	<input type="checkbox"/>
	No	<input checked="" type="checkbox"/>

Data Source:

Ministry of Environment

**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 type="checkbox"/>	NA	
4.2	Occupational standards or regulations <input checked="" type="checkbox"/>	Ministry of Environment imposes general safety measures on newly established industries only.	
4.3	Environmental standards or regulations <input checked="" type="checkbox"/>	Whenever possible (i.e., newly established industries have to follow environmental measures imposed by the Ministry of Environment.	
4.4	Guidance Document <input type="checkbox"/>		
4.5	Voluntary programme <input checked="" type="checkbox"/>	Very few big industries are willing to completely adopt environment programs	
4.6	Other (e.g., Governmental order) <input checked="" type="checkbox"/>	Laws encourage protecting the environment without any further specification.	
4.7	No action <input type="checkbox"/>		

Comments:

Nothing else is being taken yet.

Data Source:

Ministry of Environment