

## Form for submission of information specified in Annex E of the Stockholm Convention pursuant to Article 8 of the Convention

<b>Introductory information</b>	
Name of the submitting Party/observer	Austria / Observer
Contact details (name, telephone, e-mail) of the submitting Party/observer	Barbara Perthen-Palmisano Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft Abteilung V/2 Stoffbezogener Umweltschutz Stubenbastei 5 A-1010 Wien Tel: +43/1/51522/2321  Fax: +43/1/51522/7334 e-mail: <a href="mailto:barbara.perthen@lebensministerium.at">barbara.perthen@lebensministerium.at</a>
Chemical name (as used by the POPs Review Committee)	<b>Endosulfan</b>
Date of submission	

<b>(a) Sources, including as appropriate (provide summary information and relevant references)</b>																																					
(i) Production data:	Endosulfan is not produced in Austria																																				
Quantity	-																																				
Location	-																																				
Other	-																																				
(ii) Uses	The placing of Endosulfan on the Austrian marked in plant protection products was allowed from 1998 to 2006. After a period of grace product could be sold until June 2007. Endosulfan is listed in Annex I of the Commission Regulation (EC) No 1451/2007, thus biocidal products containing Endosulfan are forbidden in Austria since September 2006.																																				
(iii) Releases:																																					
Discharges	-																																				
Losses	-																																				
Emissions	-																																				
Other	<p>According to para. 25 of the Plant Protection Products Act (Federal Legal Gazette I No 60/1997) those persons responsible for the product authorisation in Austria have to notify the quantify of the active substance placed on the Austrian market on a yearly base. The figures for Endosulfan according to the Federal Ministry of Agriculture, Forestry, Environment and Water Management are as followed:</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Year</th> <th>[kg]</th> </tr> </thead> <tbody> <tr><td>1991</td><td>3.908,00</td></tr> <tr><td>1992</td><td>2.893,72</td></tr> <tr><td>1993</td><td>6.979,54</td></tr> <tr><td>1994</td><td>5.800,18</td></tr> <tr><td>1995</td><td>5.476,50</td></tr> <tr><td>1996</td><td>5.246,80</td></tr> <tr><td>1997</td><td>4.273,40</td></tr> <tr><td>1998</td><td>3.496,00</td></tr> <tr><td>1999</td><td>4.657,00</td></tr> <tr><td>2000</td><td>4.696,40</td></tr> <tr><td>2001</td><td>5.209,80</td></tr> <tr><td>2002</td><td>3.210,22</td></tr> <tr><td>2003</td><td>3.010,90</td></tr> <tr><td>2004</td><td>2.839,80</td></tr> <tr><td>2005</td><td>3.688,97</td></tr> <tr><td>2006</td><td>2.879,00</td></tr> <tr><td>2007</td><td>0,00</td></tr> </tbody> </table>	Year	[kg]	1991	3.908,00	1992	2.893,72	1993	6.979,54	1994	5.800,18	1995	5.476,50	1996	5.246,80	1997	4.273,40	1998	3.496,00	1999	4.657,00	2000	4.696,40	2001	5.209,80	2002	3.210,22	2003	3.010,90	2004	2.839,80	2005	3.688,97	2006	2.879,00	2007	0,00
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<b>(b) Hazard assessment for endpoints of concern, including consideration of toxicological interactions involving multiple chemicals (provide summary information and relevant references)</b>	
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<b>(c) Environmental fate (provide summary information and relevant references)</b>	
Chemical/physical properties	-
Persistence	-
How are chemical/physical properties and persistence linked to environmental transport, transfer within and between environmental compartments, degradation and transformation to other chemicals?	-
Bio-concentration or bio-accumulation factor, based on measured values (unless monitoring data are judged to meet this need)	-

<b>(d) Monitoring data (provide summary information and relevant references)</b>	
<p>In the federal provinces in Austria 14 soil samples (0-5 cm) from remote grassland sites under extensive use were analysed for alpha and beta Endosulfan. Levels were mostly below the detection limit, only one value was below the limit of quantification of 0.12 µg/kg dry substance (Umweltbundesamt, 2008, <a href="http://www.umweltbundesamt.at/fileadmin/site/publikationen/REP0158.pdf">http://www.umweltbundesamt.at/fileadmin/site/publikationen/REP0158.pdf</a>)</p> <p>Alpha and beta Endosulfan were analysed within monitoring programmes from 1997 to 2003 in Austrian rivers. Levels were below the limit of quantification of 0.1 µ/L. In 2003 Endosulfan was not detectable at the limit of detection of 0.004 µg/L (BMLFUW and Umweltbundesamt, 2006, <a href="http://www.umweltbundesamt.at/umweltschutz/wasser/wgev/jb2006/">http://www.umweltbundesamt.at/umweltschutz/wasser/wgev/jb2006/</a>). Endosulfan has not been included in the regular monitoring programme for groundwater in porous media and groundwater in karst and fractured rock.</p> <p>Results from Endosulfan concentrations in Austrian sediment samples of the river Danube were analysed within the Joint Danube survey 2. The final scientific report was published in 2008 and is available at <a href="http://www.icpdr.org/jds/publications">http://www.icpdr.org/jds/publications</a>.</p>	

<b>(e) Exposure in local areas (provide summary information and relevant references)</b>	
General	According to the national poison information centre five consultations concerning the formulation Thiodan with the active substance Endosulfan were registered: two cases with accidental skin contact, two cases with inhalation and one case with oral ingestion by a child. After exposure via inhalation the patients suffered from emesis, nausea, head ache and dizziness. However the data only cover the time period from 2002 to 2007.
As a result of long-range environmental transport	-
Information regarding bio-availability	-

**(f) National and international risk evaluations, assessments or profiles and labelling information and hazard classifications, as available (provide summary information and relevant references)**

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**(g) Status of the chemical under international conventions**

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