



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

IMPORTANT: See instructions before filling in the form

COUNTRY: LATVIA

### PART I: PROPERTIES, IDENTIFICATION AND USES

<b>1. IDENTITY OF CHEMICAL</b>		
1.1	Common name	Benzene
1.2	Chemical name according to an internationally recognized nomenclature (e.g. IUPAC), where such nomenclature exists	Benzene
1.3	Trade names and names of preparations	Benzene
1.4	Code numbers	
1.4.1	CAS number	71-43-2
1.4.2	Harmonized System customs code	2902 20 2707 10
1.4.3	Other numbers (specify the numbering system)	EINECS 200-753-7 UN 1114

#### 1.5 Indication regarding previous notification on this chemical, if any

1.5.1	<input checked="" 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 type="checkbox"/> This notification replaces all previously submitted notifications on this chemical.
	Date of issue of the previous notification: _____

### 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

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

OR

Interim Secretariat for the Rotterdam Convention  
UNEP Chemicals

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

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

1.6 Information on hazard classification where the chemical is subject to classification requirements	
International classification systems	Hazard class
UN Classification	UN Hazard Class: 3
	UN Pack Group: II
Other classification systems	Hazard class
EU Classification	F; T
	R: 45-11-48/23/24/25
	S: 53-45
	Note: E

1.7 Use or uses of the chemical	
1.7.1	<p><input type="checkbox"/> Pesticide</p> <p>Describe the uses of the chemical as a pesticide in your country:</p>
1.7.2	<p><input checked="" type="checkbox"/> Industrial</p> <p>Describe the industrial uses of the chemical in your country:</p>

1.8 Properties	
1.8.1	<p>Description of physico-chemical properties of the chemical</p> <p>Boiling point            80.1°C</p> <p>Melting point            5.5°C</p> <p>Vapour pressure        10.1 kPa</p> <p>Solubility in water      1770 mg/l</p>

1.8.2	<p>Description of toxicological properties of the chemical</p> <p>LD<sub>50</sub> Oral rat: 930 mg/kg body weight</p> <p>LC<sub>50</sub> Inhalation rat 4h: 18 mg/l</p> <p>LD<sub>50</sub> Dermal rat: 17600 mg/kg body weight</p> <p>LD<sub>50</sub> Dermal rat: &gt;9400 mg/kg body weight</p> <p><b>EFFECTS OF SHORT-TERM EXPOSURE:</b></p> <p>The substance is irritating to the eyes, the skin and the respiratory tract. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. The substance may cause effects on the central nervous system, resulting in lowering of consciousness. Exposure far above the occupational exposure limit value may result in unconsciousness and death.</p> <p><b>EFFECTS OF LONG-TERM OR REPEATED EXPOSURE:</b></p> <p>The liquid defats the skin. The substance may have effects on the bone marrow and immune system, resulting in a decrease of blood cells. This substance is carcinogenic to humans.</p>
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<b>1.8.3</b>	<b>Description of ecotoxicological properties of the chemical</b>
	<p>Toxicity:  LC<sub>50</sub> Fish 96h: 5,9 mg/l Species: Oncorhynchus mykiss  EC<sub>50</sub> Daphnia 48h: 10 mg/l  IC<sub>50</sub> Algae 72h: 29 mg/l Species: Selenastrum capricornutum</p> <p>Bioaccumulation:  BCF: 135  Log Pow: 2.15</p>

## PART II: FINAL REGULATORY ACTION

<b>2. FINAL REGULATORY ACTION</b>	
<b>2.1</b>	The chemical is: <input type="radio"/> banned                    OR <input checked="" type="radio"/> severely restricted
<b>2.2</b>	<b>Information specific to the final regulatory action</b>
<b>2.2.1</b>	<b>Summary of the final regulatory action</b>  1. Not permitted in toys or parts of toys as placed on the market where the concentration of benzene in the free state is in excess of 5 mg/kg of the weight of the toy or part of toy. 2. Shall not be used in concentrations equal to, or greater than, 0.1% by mass in substances or preparations placed on the market. Certain exceptions apply.
<b>2.2.2</b>	<b>Reference to the regulatory document</b>  25 April 2000 Regulation of the Cabinet of Ministers the Republic of Latvia No.158 "Regulatory on use and marketing restrictions and bans for hazardous chemical substances and hazardous chemical preparations".
<b>2.2.3</b>	<b>Date of entry into force of the final regulatory action</b>  1 January 2001

<b>2.3</b>	<b>Was the final regulatory action based on a risk or hazard evaluation?</b>	<input checked="" type="radio"/> Yes <input type="radio"/> No
	<b>If yes, give information on such evaluation</b>	
	Based on intrinsic properties of the chemical substance.	
	<b>Reference to the relevant documentation</b>	
	EU bans and restrictions Directive 76/769/EEC.	

<b>2.4</b>	<b>Reasons for the final regulatory action</b>	
<b>2.4.1</b>	<b>Is the reason for the final regulatory action relevant to the human health?</b>	<input checked="" type="radio"/> Yes <input type="radio"/> No
	<b>If yes, give summary of the known hazards and risks presented by the chemical to human health, including the health of consumers and workers</b>	
	After long-term exposure to levels above 1 ppm, there is a risk of chromosomal damage. Included in the highest class on the Danish list of neurotoxic substances. The compound is taken up by the body	

mainly through inhalation of vapour, but also via intact skin. Rapidly absorbed through ingestion. Short-term exposure may lead to drowsiness, headache and dizziness. The compound has narcotic effects. Long-term exposure may lead to anaemia and leukaemia. Inhalation: The vapour is irritating to the respiratory system, see also above. Skin contact: May be irritating to the skin. Extracts the lipids of the skin and may give rise to wounds and chapped skin. Eye contact: Splashes or high concentrations of the vapour may injure the eyes.

Reference to the relevant documentation

Expected effect of the final regulatory action

2.4.2	Is the reason for the final regulatory action relevant to the environment?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
	If yes, give summary of the known hazards and risks to the environment		
	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	<input checked="" type="radio"/> Industrial
	Use or uses prohibited by the final regulatory action	
	<ol style="list-style-type: none"> <li>1. Not permitted in toys or parts of toys as placed on the market where the concentration of benzene in the free state is in excess of 5 mg/kg of the weight of the toy or part of toy.</li> <li>2. Shall not be used in concentrations equal to, or greater than, 0.1% by mass in substances or preparations placed on the market.</li> <li>3. However paragraph 2 shall not apply to:             <ol style="list-style-type: none"> <li>(a) motor fuels which are covered by Directive 98/70/EC of the European Parliament and of the Council of 13 October 1998 on the quality of petrols and diesel fuels and amending Council Directive 93/12/EC;</li> <li>(b) substances and preparations for use in industrial processes not allowing for the emission of benzene in quantities in excess of those laid down in existing legislation;</li> <li>(c) waste covered by Council Directive 75/442/EEC and Council Directive 91/689/EEC.</li> </ol> </li> </ol>	
Use or uses that remain allowed		
All other uses not listed in the table above.		

2.5.2	Final regulatory action has been taken for the chemical category	<input type="radio"/> 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**

Decision taken in accordance with EU bans and restrictions Directive 76/769/EEC.
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**2.7 Other relevant information that may cover:**

<b>2.7.1 Assessment of socio-economic effects of the final regulatory action</b>	
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<b>2.7.2 Information on alternatives and their relative risks</b>	
<b>2.7.3 Relevant additional information</b>	

**PART III : GOVERNMENT AUTHORITIES**

Ministry/Department and authority responsible for issuing/enforcing the final regulatory action	
<b>Institution</b>	Latvia Environmental State Inspectorate
<b>Address</b>	Rupniecibas iela 23 Riga LV-1045 Latvia
<b>Telephone</b>	+371 7325209; +371 7321200; +371 7320506
<b>Telefax</b>	+371 7321577
<b>E-mail address</b>	vvi@vvi.gov.lv
Designated National Authority	
<b>Institution</b>	Latvian Environment Agency
<b>Address</b>	Straumes iela 2 Jurmala LV-2015 Latvia
<b>Name of person in charge</b>	Arnis Ludborzs
<b>Position of person in charge</b>	Head, Division of Chemicals Register

Telephone	+371 7755409
Telefax	+371 7764162
E-mail address	Arnis.Ludborzs@lva.gov.lv

Date, signature of DNA and official seal: Director DNA



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Ilze Kirstuka