

## **Annex XV dossier**

# **PROPOSAL FOR IDENTIFICATION OF A SUBSTANCE AS A CMR 1A OR 1B, PBT, vPvB OR A SUBSTANCE OF AN EQUIVALENT LEVEL OF CONCERN**

**Substance Name: Biphenyl-4-ylamine**

**EC Number: 202-177-1**

**CAS Number: 92-67-1**

**Submitted by:** European Chemicals Agency at the request of the European Commission



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## **PROPOSAL FOR IDENTIFICATION OF A SUBSTANCE AS A CMR 1A OR 1B, PBT, VPVB OR A SUBSTANCE OF AN EQUIVALENT LEVEL OF CONCERN**

**Substance Name: Biphenyl-4-ylamine**

**EC Number: 202-177-1**

**CAS number: 92-67-1**

The substance is proposed to be identified as substance meeting the criteria of Article 57 (a) of Regulation (EC) 1907/2006 (REACH) owing to its classification as carcinogen 1A<sup>1</sup> which corresponds to classification as carcinogen category 1<sup>2</sup>.

### **Summary of how the substance meets the criteria set out in Article 57 (a) of REACH (Carc. 1A).**

Biphenyl-4-ylamine is listed by Index number 612-072-00-6 in Regulation (EC) No 1272/2008 and classified in Annex VI, part 3, Table 3.1 (list of harmonised classification and labelling of hazardous substances) as carcinogen, Carc. 1A (H350: "May cause cancer"). The corresponding classification in Annex VI, part 3, Table 3.2 (the list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC) of Regulation (EC) No 1272/2008 is carcinogen, Carc. Cat. 1, R45 ("May cause cancer").

Therefore, this classification of biphenyl-4-ylamine in Regulation (EC) No 1272/2008 shows that the substance meets the criteria for classification as carcinogenic in accordance with Article 57 (a) of REACH.

**Registration dossiers submitted for the substance? No**

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<sup>1</sup> Classification in accordance with Regulation (EC) No 1272/2008 Annex VI, part 3, Table 3.1 List of harmonised classification and labelling of hazardous substances.

<sup>2</sup> Classification in accordance with Regulation (EC) No 1272/2008, Annex VI, part 3, Table 3.2 List of harmonised classification and labelling of hazardous substances (from Annex I to Council Directive 67/548/EEC).

## PART I

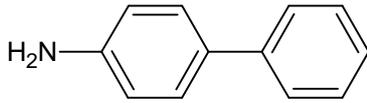
### JUSTIFICATION

## 1 Identity of the substance and physical and chemical properties

### 1.1 Name and other identifiers of the substance

**Table 1: Substance identity**

<b>EC number:</b>	202-177-1
<b>EC name:</b>	biphenyl-4-ylamine
<b>CAS number (in the EC inventory):</b>	92-67-1
<b>CAS number:</b> <b>Deleted CAS numbers:</b>	92-67-1 ---
<b>CAS name:</b>	[1,1'-Biphenyl]-4-amine
<b>IUPAC name:</b>	Biphenyl-4-amine
<b>Index number in Annex VI of the CLP Regulation</b>	612-072-00-6
<b>Molecular formula:</b>	C <sub>12</sub> H <sub>11</sub> N
<b>Molecular weight:</b>	169.2 g/mol
<b>Synonyms:</b>	4-Biphenylamine; (1,1'-Biphenyl-4-yl)amine; 4-Amino-1,1'-biphenyl; 4-Aminobiphenyl; 4-Aminodiphenyl; 4-Phenylaniline; 4-Phenylbenzenamine; Xenylamine; p-Aminobiphenyl; p-Aminodiphenyl; p-Biphenylamine; p-Phenylaniline; p-Xenylamine

**Structural formula:****1.2 Composition of the substance****Name:** Biphenyl-4-ylamine**Description:** ---**Degree of purity:** No information on the composition of the substance is available**Table 2: Constituents**

Constituents	Typical concentration	Concentration range	Remarks
biphenyl-4-ylamine 202-177-1			No information on the composition of the substance is available

## 2 Harmonised classification and labelling

Biphenyl-4-ylamine is listed by Index number 612-072-00-6 in Annex VI, part 3 of Regulation (EC) No 1272/2008 as follows:

**Table 3: Classification according to part 3 of Annex VI, Table 3.1 ((list of harmonised classification and labelling of hazardous substances) of Regulation (EC) No 1272/2008**

Index No	International Chemical Identification	EC No	CAS No	Classification		Labelling			Spec. Conc. Limits, M-factors	Notes
				Hazard Class and Category Code(s)	Hazard statement code(s)	Pictogram , Signal Word Code(s)	Hazard statement code(s)	Suppl. Hazard statement code(s)		
612-072-00-6	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	202-177-1	92-67-1	Carc. 1A Acute Tox. 4 *	H350 H302	GHS08 GHS07 Dgr	H350 H302		-	

**Table 4: Classification according to part 3 of Annex VI, Table 3.2 (list of harmonised classification and labelling of hazardous substances from Annex I of Council Directive 67/548/EEC) of Regulation (EC) No 1272/2008**

Index No	International Chemical Identification	EC No	CAS No	Classification	Labelling	Concentration Limits	Notes
612-072-00-6	biphenyl-4-ylamine 4-aminobiphenyl xenylamine	202-177-1	92-67-1	Carc. Cat. 1; R45 Xn; R22	T R: 45-22 S: 53-45	-	E

### **3 Environmental fate properties**

*Not relevant for the identification of the substance as SVHC in accordance with Article 57a.*

### **4 Human health hazard assessment**

*See section 2 on harmonised classification and labelling.*

### **5 Environmental hazard assessment**

*Not relevant for the identification of the substance as SVHC in accordance with Article 57a.*

## **6 Conclusions on the SVHC Properties**

### **6.1 CMR assessment**

Biphenyl-4-ylamine is listed by Index number 612-072-00-6 in Regulation (EC) No 1272/2008 and classified in Annex VI, part 3, Table 3.1 (list of harmonised classification and labelling of hazardous substances) as carcinogen, Carc. 1A (H350: "May cause cancer"). The corresponding classification in Annex VI, part 3, Table 3.2 (the list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC) of Regulation (EC) No 1272/2008 is carcinogen, Carc. Cat. 1, R45 ("May cause cancer").

Therefore, this classification of biphenyl-4-ylamine in Regulation (EC) No 1272/2008 shows that the substance meets the criteria for classification as carcinogenic in accordance with Article 57 (a) of REACH.

## **PART II**

### **INFORMATION ON USE, EXPOSURE, ALTERNATIVES AND RISKS**

No registration dossier has been submitted for this substance. Only information from C&L notifications is available on ECHA's dissemination website<sup>3</sup>:

<http://echa.europa.eu/information-on-chemicals>

ECHA has not carried out further analysis of this information.

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<sup>3</sup> Information published by ECHA on the substance can be searched at this site (field "Search for Chemicals" at upper right) by EC number, CAS number or substance name.