

Substance Name: Biphenyl-4-ylamine

EC Number: 202-177-1

CAS Number: 92-67-1

SUPPORT DOCUMENT FOR IDENTIFICATION OF

BIPHENYL-4-YLAMINE

**AS A SUBSTANCE OF VERY HIGH CONCERN BECAUSE OF ITS
CMR¹ PROPERTIES**

¹ CMR means carcinogenic, mutagenic or toxic for reproduction

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The substance is identified as substance meeting the criteria of Article 57 (a) of Regulation (EC) 1907/2006 (REACH) owing to its classification as carcinogen 1A² which corresponds to classification as carcinogen category 1³.

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

² 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.

³ 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).

JUSTIFICATION

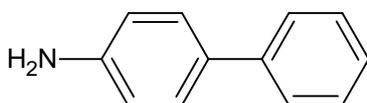
1 Identity of the substance and physical and chemical properties

1.1 Name and other identifiers of the substance

Table 1: Substance identity

EC number:	202-177-1
EC name:	biphenyl-4-ylamine
CAS number (in the EC inventory):	92-67-1
CAS number: Deleted CAS numbers:	92-67-1 ---
CAS name:	[1,1'-Biphenyl]-4-amine
IUPAC name:	Biphenyl-4-amine
Index number in Annex VI of the CLP Regulation	612-072-00-6
Molecular formula:	C ₁₂ H ₁₁ N
Molecular weight:	169.2 g/mol
Synonyms:	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.