Substance Name: 4-aminoazobenzene

EC Number: 200-453-6

CAS Number: 60-09-3

SUPPORT DOCUMENT FOR IDENTIFICATION OF

4-AMINOAZOBENZENE

AS A SUBSTANCE OF VERY HIGH CONCERN BECAUSE OF ITS CMR[1] PROPERTIES

[1] CMR means carcinogenic, mutagenic or toxic for reproduction

CONTENTS

TABLES

Substance Name: 4-aminoazobenzene

EC Number: 200-453-6

CAS number: 60-09-3

The substance is identified as substance meeting the criteria of Article 57 (a) of Regulation (EC) 1907/2006 (REACH) owing to its classification as carcinogenic category 1 B[2] which corresponds to classification as carcinogen category 2[3].

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

4-aminoazobenzene is listed by Index number 611-008-00-4 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. 1B (H350: "May cause cancer"). The corresponding classification in Annex VI, part 3, Table 3.2 (the list of harmonised and classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC) of Regulation (EC) No 1272/2008 is carcinogen, Carc. Cat. 2; R45 ("May cause cancer").

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

Registration dossiers submitted for the substance? Yes

[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, OJ L 353, p.1, 31.12.2008..

[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), OJ L 353, p.1, 31.12.2008.

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JUSTIFICATION

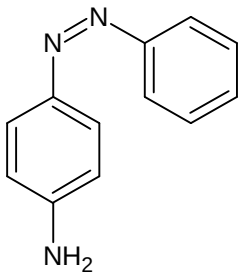
1 Identity of the substance and physical and chemical properties

1.1 Name and other identifiers of the substance

Table 1: Substance identity

EC number:	200-453-6
EC name:	4-aminoazobenzene
CAS number (in the EC inventory):	60-09-3
CAS number: **Deleted CAS numbers:**	60-09-3 81691-68-1
CAS name:	Benzenamine, 4-(2-phenyldiazenyl)-
IUPAC name:	4-(Phenylazo)aniline
Index number in Annex VI of the CLP Regulation	611-008-00-4
Molecular formula:	$C_{12}H_{11}N_3$
Molecular weight range:	197.2 g/mol
Synonyms:	Benzenamine, 4-(phenylazo)-; C.I. Solvent Yellow 1; 4-(Phenylazo)aniline; 4-(Phenylazo)benzenamine; 4-Aminoazobenzene; 4-Aminoazobenzol; Aniline yellow; Brasilazina Oil Yellow G; p-(Phenylazo)aniline; p-Aminoazobenzene; p-Aminoazobenzol; p-Aminodiphenylimide

Structural formula:



1.2 Composition of the substance

Name: 4-aminoazobenzene

Description: ---

Degree of purity: 96 - 100 %

Table 2: Constituents

Constituents	Typical concentration	Concentration range	Remarks
4-aminoazobenzene 200-453-6		96-100 %	

2 Harmonised classification and labelling

4-Aminoazobenzene is listed by Index number 611-008-00-4 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)		
611-008-00-4	4-aminoazobenzene; 4-phenylazoaniline	200-453-6	60-09-3	Carc. 1B Aquatic Acute 1 Aquatic Chronic 1	H350 H400 H410	GHS08 GHS09 Dgr	H350 H410			

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
611-008-00-4	4-aminoazobenzene; 4-phenylazoaniline	200-453-6	60-09-3	Carc. Cat. 2; R45 N; R50-53	T; N R: 45-50/53 S: 53-45-60-61		

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

4-aminoazobenzene is listed by Index number 611-008-00-4 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. 1B (H350: "May cause cancer"). The corresponding classification in Annex VI, part 3, Table 3.2 (the list of harmonised and classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC) of Regulation (EC) No 1272/2008 is carcinogen, Carc. Cat. 2; R45 ("May cause cancer").

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