

**Substance Name: *o*-aminoazotoluene  
[4-*o*-tolylazo-*o*-toluidine]**

**EC Number: 202-591-2**

**CAS Number: 97-56-3**

**SUPPORT DOCUMENT FOR IDENTIFICATION OF  
O-AMINOAZOTOLUENE [4-O-TOLYLAZO-O-TOLUIDINE]  
AS A SUBSTANCE OF VERY HIGH CONCERN BECAUSE OF ITS  
CMR<sup>1</sup> PROPERTIES**

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<sup>1</sup> 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 1B<sup>2</sup> which corresponds to classification as carcinogen category 2<sup>3</sup>.

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

*o*-aminoazotoluene [4-*o*-tolylazo-*o*-toluidine] is listed by Index number 611-006-00-3 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 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 *o*-aminoazotoluene [4-*o*-tolylazo-*o*-toluidine] 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>2</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>3</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).

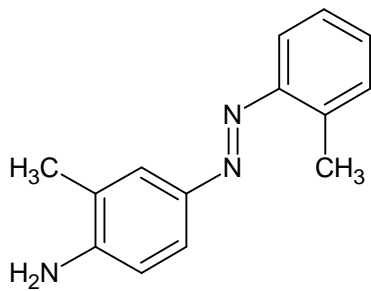
## JUSTIFICATION

### 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>	202-591-2
<b>EC name:</b>	4- <i>o</i> -tolylazo- <i>o</i> -toluidine
<b>CAS number (in the EC inventory):</b>	97-56-3
<b>CAS number:</b> <b>Deleted CAS numbers:</b>	97-56-3
<b>CAS name:</b>	Benzenamine, 2-methyl-4-[2-(2-methylphenyl)diazenyl]-
<b>IUPAC name:</b>	2-Methyl-4-[(2-methylphenyl)diazenyl]aniline
<b>Index number in Annex VI of the CLP Regulation</b>	611-006-00-3
<b>Molecular formula:</b>	C <sub>14</sub> H <sub>15</sub> N <sub>3</sub>
<b>Molecular weight range:</b>	225.2 g/mol
<b>Synonyms:</b>	Benzenamine, 2-methyl-4-[(2-methylphenyl)azo]-; C.I. Solvent Yellow 3 ; <i>o</i> -Toluidine, 4- <i>o</i> -tolylazo-; 2,3'-Dimethyl-4'-aminoazobenzene; 2-Aminoazotoluene; 2-Methyl-4-[(2-methylphenyl)diazenyl]amine; 2-Methyl-4-[( <i>o</i> -tolyl)azo]aniline; 2',3-Dimethyl-4-aminoazobenzene; 4-( <i>o</i> -Tolylazo)- <i>o</i> -toluidine; 4-Amino-2',3-dimethylazobenzene; <i>o</i> -Aminoazotoluene

**Structural formula:****1.2 Composition of the substance****Name:** *o*-aminoazotoluene [4-*o*-tolylazo-*o*-toluidine]**Description:** ---**Degree of purity:** No information available**Table 2: Constituents**

Constituents	Typical concentration	Concentration range	Remarks
<i>o</i> -aminoazotoluene [4- <i>o</i> -tolylazo- <i>o</i> -toluidine] 202-591-2			No information available.

## 2 Harmonised classification and labelling

*o*-aminoazotoluene [4-*o*-tolylazo-*o*-toluidine] is listed by Index number 611-006-00-3 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)		
611-006-00-3	4- <i>o</i> -tolylazo- <i>o</i> -toluidine; 4-amino-2',3-dimethylazobenzene; <i>o</i> -aminoazotoluene; AAT; fast garnet GBC base	202-591-2	97-56-3	Carc. 1B Skin Sens. 1	H350 H317	GHS08 Dgr	H350 H317		-	



**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**

<b>Index No</b>	<b>International Chemical Identification</b>	<b>EC No</b>	<b>CAS No</b>	<b>Classification</b>	<b>Labelling</b>	<b>Concentration Limits</b>	<b>Notes</b>
611-006-00-3	4- <i>o</i> -tolylazo- <i>o</i> -toluidine; 4-amino-2',3-dimethylazobenzene; <i>o</i> -aminoazotoluene; AAT; fast garnet GBC base	202-591-2	97-56-3	Carc. Cat. 2; R45 R43	T R: 45-43 S: 53-45	-	

### **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**

*o*-aminoazotoluene [4-*o*-tolylazo-*o*-toluidine] is listed by Index number 611-006-00-3 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 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 *o*-aminoazotoluene [4-*o*-tolylazo-*o*-toluidine] 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.