

**Substance Name: *o*-toluidine**

**EC Number: 202-429-0**

**CAS Number: 95-53-4**

**SUPPORT DOCUMENT FOR IDENTIFICATION OF**

**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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**Substance Name: o-toluidine**

**EC Number: 202-429-0**

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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-toluidine is listed by Index number 612-091-00-X 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-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? Yes**

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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

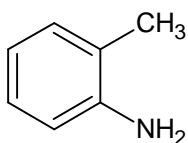
### 1 Identity of the substance and physical and chemical properties

#### 1.1 Name and other identifiers of the substance

Table 1: Substance identity

<b>EC number:</b>	202-429-0
<b>EC name:</b>	<i>o</i> -toluidine
<b>CAS number (in the EC inventory):</b>	95-53-4
<b>CAS number:</b> <b>Deleted CAS numbers:</b>	95-53-4 ---
<b>CAS name:</b>	Benzenamine, 2-methyl-
<b>IUPAC name:</b>	2-Methylaniline
<b>Index number in Annex VI of the CLP Regulation</b>	612-091-00-X
<b>Molecular formula:</b>	C <sub>7</sub> H <sub>9</sub> N
<b>Molecular weight:</b>	107.2 g/mol
<b>Synonyms:</b>	1-Amino-2-methylbenzene; 2-Amino-1-methylbenzene; 2-Aminotoluene; 2-Methyl-1-aminobenzene; 2-Methylbenzenamine; 2-Methylphenylamine; 2-Tolylamine; <i>o</i> -Aminotoluene; <i>o</i> -Methylaniline; <i>o</i> -Methylbenzenamine;

**Structural formula:**



## 1.2 Composition of the substance

**Name:** *o*-toluidine

**Description:** ---

**Degree of purity:** 95 - 100 %

**Table 2: Constituents**

<b>Constituents</b>	<b>Typical concentration</b>	<b>Concentration range</b>	<b>Remarks</b>
<i>o</i> -toluidine 202-429-0		95 - 100 %	According to the information available in the registration dossiers

## 2 Harmonised classification and labelling

*o*-toluidine is listed by Index number 612-091-00-X 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)		
612-091-00-X	2-aminotoluene <i>o</i> -toluidine	202-429-0	95-53-4	Carc. 1B Acute Tox. 3 * Acute Tox. 3 * Eye Irrit. 2 Aquatic Acute 1	H350 H331 H301 H319 H400	GHS06 GHS08 GHS09 Dgr	H350 H331 H301 H319 H400		-	

**Table 4: Classification according to part 3 of Annex VI, Table 3.2 (list of harmonized 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
612-091-00-X	2-aminotoluene <i>o</i> -toluidine	202-429-0	95-53-4	Carc. Cat. 2; R45 T; R23/25 Xi; R36 N; R50	T; N R: 45-23/25-36-50 S: 53-45-61	-	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**

*o*-toluidine is listed by Index number 612-091-00-X 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*-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.