

**Substance Name: 2-methylimidazole**

**EC Number: 211-765-7**

**CAS Number: 693-98-1**

**SUPPORT DOCUMENT FOR IDENTIFICATION OF**

**2-METHYLIMIDAZOLE**

**AS A SUBSTANCE OF VERY HIGH CONCERN  
BECAUSE OF ITS TOXIC FOR REPRODUCTION  
(ARTICLE 57C) PROPERTIES**

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## **IDENTIFICATION OF A SUBSTANCE OF VERY HIGH CONCERN ON THE BASIS OF THE CRITERIA SET OUT IN REACH ARTICLE 57**

**Substance name:** 2-methylimidazole

**EC number:** 211-765-7

**CAS number:** 693-98-1

- The substance is identified as a substance meeting the criteria of Article 57 (c) of Regulation (EC) No 1907/2006 (REACH) owing to its classification in the hazard class toxic for reproduction category 1B<sup>1</sup>.

### **Summary of how the substance meets the criteria set out in Article 57 of the REACH Regulation**

2-methylimidazole is covered by index number 613-330-00-0 of Regulation (EC) No 1272/2008 in Annex VI, part 3, Table 3.1 (the list of harmonised classification and labelling of hazardous substances) and it is classified in the hazard class toxic for reproduction category 1B (360Df: "May damage the unborn child. Suspected of damaging fertility").

Therefore, the classification of the substance in Regulation (EC) No 1272/2008 shows that it fulfils the criteria for classification in the hazard class:

- Toxic for reproduction category 1B in accordance with Article 57 (c) of the REACH Regulation.

**Registration dossiers submitted for the substance?** Yes

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<sup>1</sup> Classification in accordance with section 3.7 of Annex I to Regulation (EC) No 1272/2008.

## Justification

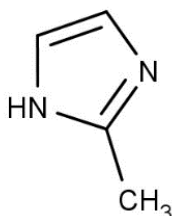
### 1. Identity of the substance and physical and chemical properties

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

**Table 1: Substance identity**

<b>EC number:</b>	211-765-7
<b>EC name:</b>	2-methylimidazole
<b>CAS number (in the EC inventory):</b>	693-98-1
<b>CAS name:</b>	1 <i>H</i> -Imidazole, 2-methyl-
<b>IUPAC name:</b>	2-methyl-1 <i>H</i> -imidazole
<b>Index number in Annex VI of the CLP Regulation</b>	613-330-00-0
<b>Molecular formula:</b>	C <sub>4</sub> H <sub>6</sub> N <sub>2</sub>
<b>Molecular weight range:</b>	82.1 g/mol
<b>Synonyms:</b>	<i>2-methylglyoxaline</i>

#### Structural formula:



#### 1.2 Composition of the substance

**Name:** 2-methylimidazole

**Description:** organic

**Substance type:** mono-constituent

#### 1.3 Physicochemical properties

Not relevant for the identification of the substance as SVHC in accordance with Article 57 (c) of the REACH Regulation.

## 2. Harmonised classification and labelling

2-methylimidazole is covered by index number 613-330-00-0 in part 3 of Annex VI to the CLP Regulation as follows:

**Table 2:** Classification according to Annex VI, Table 3.1 (list of harmonised classification and labelling of hazardous substances) of Regulation (EC) No 1272/2008

Index No	Chemical name	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)		
613-330-00-0	2-methylimidazole	211-765-7	693-98-1	Repr. 1B	H360Df	GHS08 Dgr	H360Df	-	-	-

## 3. Environmental fate properties

Not relevant for the identification of the substance as SVHC in accordance with Article 57 (c) of the REACH Regulation.

## 4. Human health hazard assessment

See Chapter 2 (Harmonised classification and labelling)

## 5. Environmental hazard assessment

Not relevant for the identification of the substance as SVHC in accordance with Article 57 (c) of the REACH Regulation.

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

### **6.1 CMR assessment**

2-methylimidazole is covered by index number 613-330-00-0 of Regulation (EC) No 1272/2008 in Annex VI, part 3, Table 3.1 (the list of harmonised classification and labelling of hazardous substances) and it is classified in the hazard class toxic for reproduction category 1B (hazard statement 360Df: "May damage the unborn child. Suspected of damaging fertility").

Therefore, the classification of the substance in Regulation (EC) No 1272/2008 shows that it fulfils the criteria for classification in the hazard class:

- toxic for reproduction category 1B in accordance with Article 57 (c) of the REACH Regulation.

### **6.2 PBT and vPvB assessment**

Not relevant for the identification of the substance as SVHC in accordance with Article 57 (c) of the REACH Regulation.

### **6.3 Assessment under Article 57(f)**

Not relevant for the identification of the substance as SVHC in accordance with Article 57 (c) of the REACH Regulation.

## REFERENCES

EU(2006). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Official Journal of the European Union, L396: 1-849.

EU (2008). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packing of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Official Journal of the European Union, L353: 1-1355.

References have also been inserted as footnotes in the text of the document.