

**AGREEMENT OF THE MEMBER STATE COMMITTEE  
ON THE IDENTIFICATION OF  
1-METHYL-2-PYRROLIDONE  
AS A SUBSTANCE OF VERY HIGH CONCERN**

**According to Articles 57 and 59 of  
Regulation (EC) 1907/2006<sup>1</sup>**

**Adopted on 20 May 2011**

**This agreement concerns**

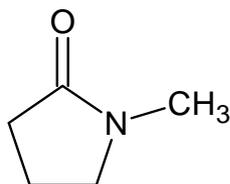
**Substance name: 1-methyl-2-pyrrolidone**

**EC number: 212-828-1**

**CAS number: 872-50-4**

**Molecular formula: C<sub>5</sub>H<sub>9</sub>NO**

**Structural formula:**



The European Chemicals Agency at the request of the European Commission

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<sup>1</sup>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

presented a proposal in accordance with Article 59(3) and Annex XV of the REACH Regulation (21 February 2011, submission number CM016147-46) on identification of the *1-methyl-2-pyrrolidone* as a substance of very high concern because of its toxic for reproduction properties.

The Annex XV dossier was circulated to Member States on 21 February 2011 and the Annex XV report was made available to interested parties on the ECHA website on the same day according to Articles 59(3) and 59(4).

Comments were received by both Member States and interested parties on the proposal.

The dossier was referred to the Member State Committee on 10 May 2011 and was agreed in the written procedure of the Member State Committee with closing date of 20 May 2011.

### **Agreement of the Member State Committee in accordance with Article 59(8):**

***1-methyl-2-pyrrolidone* is identified as a substance meeting the criteria of Article 57 (c) of Regulation (EC) 1907/2006 (REACH) owing to its classification as toxic for reproduction category 1B<sup>2</sup>. This classification corresponds to classification as toxic for reproduction category 2<sup>3</sup>.**

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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 as amended and adapted to technical and scientific progress by Commission Regulation (EC) No 790/2009, OJ No L 235, p. 1, 5.9.2009.

<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) as amended and adapted to technical and scientific progress by Commission Regulation (EC) No 790/2009, OJ No L 235, p. 1, 5.9.2009.

## **UNDERLYING ARGUMENTATION FOR IDENTIFICATION OF SUBSTANCE OF VERY HIGH CONCERN**

### **Toxicity for reproduction:**

Pursuant to Regulation (EC) No 1272/2008<sup>4</sup> as amended and adapted to technical and scientific progress by Regulation (EC) No 790/2009, as of 1 December 2010, N-methyl-2-pyrrolidone is listed as entry 606-021-00-7 of and classified in Annex VI, part 3, Table 3.1 (the list of harmonised classification and labelling of hazardous substances) as toxic for reproduction category 1B (H360D: “May damage the unborn child”). Its 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 toxic for reproduction category 2 R61 (“May cause harm to the unborn child”).

Therefore, this classification of the substance in Regulation (EC) No 1272/2008 as amended and adapted to technical and scientific progress by Regulation (EC) No 790/2009 shows that the substance meets the criteria for classification as toxic for reproduction, in accordance with Article 57 (c) of REACH.

### **Reference:**

1. Support Document *1-methyl-2-pyrrolidone* (Member State Committee, 20 May 2011)

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<sup>4</sup> Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation 1907/2006, OJ No L353, p.1, 31.12.2008