

**AGREEMENT OF THE MEMBER STATE COMMITTEE  
ON THE IDENTIFICATION OF  
AMMONIUM DICHROMATE  
AS A SUBSTANCE OF VERY HIGH CONCERN**

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

**Adopted on 4 June 2010**

**This agreement concerns**

**Substance name: Ammonium dichromate**

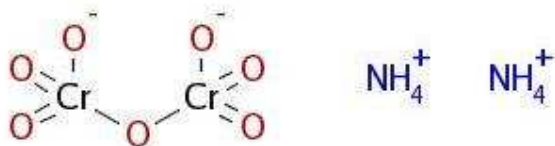
**EC number: 232-143-1**

**CAS number: 7789-09-5**

**Molecular formula (Hill): (NH<sub>4</sub>)<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>**

**Molecular formula (CAS): Cr<sub>2</sub>H<sub>2</sub>O<sub>7</sub>·2H<sub>3</sub>N**

**Structural formula:**



---

<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

France presented a proposal in accordance with Article 59(3) and Annex XV of REACH (5 March 2010, submission number CE009012-76) on the identification of *ammonium dichromate* as a substance of very high concern because of its carcinogenic, mutagenic and toxic for reproduction properties.

Pursuant to Articles 59(3) and 59(4) of REACH the Annex XV dossier was circulated to Member States on 8 March 2010 and the Annex XV report was made available to interested parties on the ECHA website on the same day.

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

The dossier was referred to the Member State Committee on 25 May 2010 and agreed in the written procedure of the Member State Committee with closing date of 4 June 2010.

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

***Ammonium dichromate* is identified as a substance meeting the criteria of Article 57 paragraph (a), (b) and (c) of Regulation (EC) 1907/2006 (REACH) owing to its classification as carcinogen (category 2<sup>2</sup>), mutagen (category 2<sup>2</sup>) and toxic for reproduction (category 2<sup>2</sup>).**

---

<sup>2</sup> Category in accordance with Annex I to Council Directive 67/548/EEC

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

### **Carcinogenicity:**

*Ammonium dichromate* is listed 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<sup>3</sup> as carcinogen category 2<sup>4</sup>, R45 (May cause cancer).

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

### **Mutagenicity:**

*Ammonium dichromate* is listed in Annex VI, part 3, Table 3.2 of Regulation (EC) No 1272/2008 as mutagen category 2<sup>5</sup>, R46 (May cause heritable genetic damage).

Therefore, this classification of the substance in Regulation (EC) No 1272/2008 shows that the substance meets the criteria for classification as mutagen in accordance with Article 57 (b) of REACH.

### **Toxicity for reproduction:**

*Ammonium dichromate* is listed in Annex VI, part 3, Table 3.2 of Regulation (EC) No 1272/2008 as toxic for reproduction category 2<sup>6</sup>, R60-61 (May impair fertility. May cause harm to the unborn child).

Therefore, this classification of the substance in Regulation (EC) No 1272/2008 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 *Ammonium dichromate* (Member State Committee, 4 June 2010)

---

<sup>3</sup> Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

<sup>4</sup> This corresponds to a classification Carc. 1B; H350 (May cause cancer) in Annex VI, part 3, Table 3.1 of Regulation (EC) No 1272/2008 (list of harmonised classification and labelling of hazardous substances).

<sup>5</sup> This corresponds to a classification Muta. 1B; H340 (May cause genetic defects) in Annex VI, part 3, Table 3.1 of Regulation (EC) No 1272/2008 (list of harmonised classification and labelling of hazardous substances).

<sup>6</sup> This corresponds to a classification Repr. 1B; H360-FD (May damage fertility. May damage the unborn child) in Annex VI, part 3, Table 3.1 of Regulation (EC) No 1272/2008 (list of harmonised classification and labelling of hazardous substances).