



Brussels, **XXX**
SANTE/10505/2018
[...] (2018) **XXX** draft

ANNEXES 1 to 2

ANNEXES

to the

COMMISSION IMPLEMENTING REGULATION (EU)

renewing the approval of the active substances copper compounds, as candidates for substitution, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council concerning the placing of plant protection products on the market, and amending the Annex to Commission Implementing Regulation (EU) No 540/2011

ANNEX I

Common Name, Identification Numbers	IUPAC Name	Purity ¹	Date of approval	Expiration of approval	Specific provisions
Copper compounds: Copper hydroxide CAS No 20427-59-2 CIPAC No 44.305 Copper oxochloride CAS No 1332-65-6 or 1332-40-7 CIPAC No 44.602 Copper oxide CAS No 1317-39-1 CIPAC No 44.603 Bordeaux mixture CAS No 8011-63-0 CIPAC No 44.604 Tribasic copper sulphate CAS No 12527-76-3 CIPAC No 44.306	Copper (II) hydroxide Dicopper chloride trihydroxide Copper oxide Not allocated Not allocated	≥ 573 g/kg ≥ 550 g/kg ≥ 820 g/kg ≥ 245 g/kg ≥ 490 g/kg The following impurities shall not exceed the following levels: Arsenic max. 0.1 mg/g Cu Cadmium max. 0.1 mg/g Cu Lead max. 0.3 mg/g Cu Nickel max. 1 mg/g Cu Cobalt max. 3 mg/kg Mercury max. 5 mg/kg Chromium max. 100 mg/kg Antimony max. 7 mg/kg	1 January 2019	31 December 2023	Only uses resulting in a total application of maximum 4 kg of copper per hectare per year shall be authorised. For the implementation of the uniform principles, as referred to in Article 29(6) of Regulation (EC) No 1107/2009 of the European Parliament and of the Council, the conclusions of the review report on copper compounds and in particular Appendices I and II thereto, shall be taken into account. In their overall assessment Member States shall pay particular attention to: <ul style="list-style-type: none"> - the operator, worker and bystander safety and ensure that conditions of use prescribe the application of adequate personal protective equipment and other mitigation measures as appropriate; - the protection of water and non-target organisms; in relation to these identified risks, risk mitigation measures, such as buffer zones, shall be applied where appropriate; - the amount of active substance applied and ensure that the authorised amounts, in terms of rates and number of applications, do not exceed the minimum necessary to achieve the desired effects and do not cause any unacceptable effect on the environment taking into account background levels of copper at the application site.

¹ Further details on identity and specification of active substance are provided in the review report.

ANNEX II

The Annex to Implementing Regulation (EU) No 540/2011 is amended as follows:

- (1) in Part A, entry 277 on copper compounds is deleted;
- (2) in Part E, the following entry is added:

No.	Common Name, Identification Numbers	IUPAC Name	Purity ²	Date of approval	Expiration of approval	Specific provisions
"xx[Publ icati ons Offi ce, plea se ente r rele vant num ber.]	Copper compounds: Copper hydroxide CAS No 20427-59-2 CIPAC No 44.305 Copper oxychloride CAS No 1332-65-6 or 1332-40-7 CIPAC No 44.602 Copper oxide CAS No 1317-39-1 CIPAC No 44.603 Bordeaux mixture CAS No 8011-63-0 CIPAC No 44.604 Tribasic copper sulphate CAS No 12527-76-3 CIPAC No 44.306	Copper (II) hydroxide Dicopper chloride trihydroxide Copper oxide Not allocated Not allocated	≥ 573 g/kg ≥ 550 g/kg ≥ 820 g/kg ≥ 245 g/kg ≥ 490 g/kg The following impurities shall not exceed the following levels: Arsenic max. 0.1 mg/g Cu Cadmium max. 0.1 mg/g Cu Lead max. 0.3 mg/g Cu Nickel max. 1 mg/g Cu Cobalt max. 3 mg/kg Mercury max. 5 mg/kg Chromium max. 100 mg/kg Antimony max. 7 mg/kg	1 January 2019	31 December 2023	Only uses resulting in a total application of maximum 4 kg of copper per hectare per year shall be authorised. For the implementation of the uniform principles, as referred to in Article 29(6) of Regulation (EC) No 1107/2009, the conclusions of the review report on copper compounds and in particular Appendices I and II thereto, shall be taken into account. In their overall assessment Member States shall pay particular attention to: - the operator, worker and bystander safety and ensure that conditions of use prescribe the application of adequate personal protective equipment and other mitigation measures as appropriate; - the protection of water and non-target organisms. In relation to these identified risks, risk mitigation measures, such as buffer zones, shall be applied where appropriate; - the amount of active substance applied and ensure that the authorised amounts, in terms of rates and number of applications, are the minimum necessary to achieve the desired effects and do not cause any unacceptable effect on the environment taking into account background levels of copper at the application site."

² Further details on identity and specification of active substance are provided in the review report.