Cr(III) workshop.

CLP status on Cr(III) and borates

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Hazard Cr(III)

Chromium(III) EC 605-220-6, CAS 16065-83-1

No Harmonised Classification in Annex VI of the CLP

→ According to the classification provided by companies to ECHA in **CLP notifications** this substance may cause an allergic skin reaction.

Skin Sens. 1A H317 May cause an allergic skin reaction.

→ Chromium (III) oxide, Substance included in the Community Rolling Action Plan (CoRAP).

→ eMSCA, France 2019, update 2022, carried out the Substance evaluation: Initial grounds for concern: Suspected Reprotoxic, Suspected Sensitiser

Hazard Cr(III)

Main conclusions from the substance evaluation report for chromium (III) oxide:

EVALUATED ENDPOINTS	
Endpoint evaluated	**Outcome/conclusion**
Skin sensitisation	Concern confirmed. CLH to be initiated
Repeated dose toxicity	Concern confirmed. CLH to be initiated
Reproductive toxicity	Concern unresolved. CCH to be initiated on EOGRTS and a developmental toxicity study (datagap identified for the whole group)

→ The available information on the manufacture of the substance suggest that chromium(III) oxide may contain chromium(VI) compounds as impurities.

Hazard Cr(III)

→ Due to the indication of structural similarity, a group assessment (i.e. not focusing on a conclusion for chromium(III) oxide only) is currently under development by the eMSCA for chromium(III) compounds.

→ The eMSCA considered that the chromium(III) compounds group should be classified for their skin sensitisation properties and that a CLH dossier on the group should be initiated

→ **Currently, No Harmonised Classification in Annex VI of the CLP**

Classification of boric acid/borates/per(oxo)borates

For hazard class reproduction toxicity

→ **Repr. 1B, H360FD**

→ For mixture classification general concentration limit 0.3 % to be used

Toxicity of boric acid/borates/per(oxo)borates

→ **Boric acid** is the main ’product’ at physiological and acidic pH (borates hydrolise into boric acid)

- Impairs function of testes/fertility in animal studies
- Malformations in the offspring (e.g. in ribs, cardiovascular and central nervous system incl. brain)

Regulation of boric acid/borates/per(oxo)borates

→ Many substances in this group already have a harmonised classification and more will have

- Latest conclusions by RAC in October 2022
  - Sodium peroxometaborate
  - PBS-1 (perboric acid, sodium salt, monohydrate)
  - PBS-4 (perboric acid, sdium salt, tetrahydrate)
  - Trimethyl borate

- Member States have submitted or will submit new CLH-proposals **for Reprotoxicity** to cover (all) substances that can be assessed by using read-across
  - See registry of intentions https://echa.europa.eu/fi/registry-of-clh-intentions-until-outcome

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