

Specific questions exemption 5

“Lead in glass of cathode ray tubes, electronic components and fluorescent tubes”

The following specific questions should be answered in your stakeholder contribution if you support exemption 5 to be continued / amended / discontinued:

1. Please specify in detail the “**electronic components**” in the wording above where lead is used in glass.
2. Please state the **amount of lead** used per application, the lead content in the homogeneous material, the annual production volume as well as the number of applications put on the EU market annually in applications falling under the scope of RoHS for
 - a. cathode ray tubes
 - b. electronic components (if possible specified in more detail, see question 1)
 - c. fluorescent tubes.
3. Please provide detailed information about the **specific function** and related performance criteria of lead in glass for
 - a. cathode ray tubes
 - b. electronic components (if possible specified in more detail, see question 1)
 - c. fluorescent tubes.
4. What **technical characteristics** do substitutes need to fulfil as a minimum requirement?
5. Please provide evidence that manufacturers have put effort in **research on alternatives** for lead. What are the alternatives to lead and which ones are (likely to be) used as substitutes? Are there any results about strengths and weaknesses expressed in results relating to (technical) performance criteria?
6. Are manufacturers still **investigating alternatives**?
 - a. If yes, please provide a **roadmap** or similar evidence showing until when they intend to replace lead in glass in the applications mentioned above.
 - b. If no, please explain and justify why no further research has been undertaken against the background that the RoHS Annex is subject to regular revisions.
7. Assuming the current exemption will be given an **expiry date**, what date do you think is technologically feasible for industry?