

Specific questions exemption 19

“Lead with PbBiSn-Hg and PbInSn-Hg in specific compositions as main amalgam and with PbSn-Hg as auxiliary amalgam in very compact Energy Saving Lamps (ESL)”

The following specific questions should be answered in your stakeholder contribution if you support exemption 19 to be continued / amended / discontinued:

1. 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 related to exemption 19 put on the EU market annually. What are the expectations for the future development taking into account measures supporting the increased use of energy saving lamps.
2. 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?
3. Could you provide data and information on the **current situation** regarding substitution efforts? What has changed since the last evaluation?
4. 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.
5. Assuming the current exemption will be given an **expiry date**, what date do you think is technologically feasible for industry?