

## Stakeholder Consultation Questionnaire: Exemption No. 8(e)

***“Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)***

“

### Abbreviations and Definitions

ELV Directive	Directive 2000/53/EC
LHMTS	lead-containing high melting temperature type solders (Pb ≥ 85 %)

### Background

The Oeko-Institut and Fraunhofer IZM have been appointed by the European Commission, within a framework contract<sup>1</sup>, for the review of exemptions in Annex II of Directive 2000/53/EC (ELV). The aim of this project is to evaluate whether the use of lead in the above mentioned exemption is still unavoidable and if the continuation of the exemption is therefore justified in line with Art. (4)(2)(b)(ii) of the ELV Directive.

In the last review<sup>2</sup> of this exemption in 2015 under the ELV Directive<sup>3</sup>, and under the RoHS Directive in 2016, the consultants concluded that the use of lead in high melting temperature type solders (LHMTS) in Exemption 8(e) is still unavoidable in devices in the scope of the ELV and the RoHS Directives. The continuation of the exemption was therefore granted in line with the requirements of ELV Art. 4(2)(b)(ii).

The exemption is due for review in 2019 in order to adapt it to the state of scientific and technological development.

This questionnaire has been prepared for the stakeholder consultation held as part of the evaluation. The objective of this consultation and the review process is to collect and to evaluate information and evidence according to the criteria listed in Art. (4)(2)(b)(ii) of Directive 2000/53/EC (ELV), which you can download from here:

<http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32000L0053>

Additional background information can be found on the exemption page accessible through the following link: <http://elv.exemptions.oeko.info/index.php?id=65>

<sup>1</sup> The contract is implemented through Framework Contract No. FWC ENV.A.2/FRA/2015/0008 of 27/03/2015, led by Oeko-Institut e.V.

<sup>2</sup> Gensch, Carl-Otto [Öko-Institut e.V.], et al. 2015 “7th Adaptation to Scientific and Technical Progress of Exemptions 8(e), 8(f), 8(g), 8(h), 8(j) and 10(d) of Annex II to Directive 2000/53/EC (ELV): Report for the European Commission DG Environment under Framework Contract No ENV.C.2/FRA/2011/0020,” accessed August 10, 2015, [http://elv.exemptions.oeko.info/fileadmin/user\\_upload/Final\\_Report/ELV-Exemptions\\_Amended\\_Final\\_2015-06-29.pdf](http://elv.exemptions.oeko.info/fileadmin/user_upload/Final_Report/ELV-Exemptions_Amended_Final_2015-06-29.pdf)

<sup>3</sup> Directive 2000/53/EC of the European Parliament and of the Council of 18 September 2000 on end-of life vehicles, ELV Directive, European Union (21 October 2000), accessed December 5, 2013

If you would like to contribute to the stakeholder consultation, please answer the following questions:

### Questions

1. Please explain whether the use of lead in the application addressed under Ex. 8(e) of the ELV Directive is still unavoidable so that Art. 4 (2) (b) (ii) of the ELV Directive would justify the continuation of the exemption. Please be specific with your answer, for example clarify, if applicable, what types of vehicles your answer refers to, i.e., conventional vehicles and various types of hybrid and electric vehicles, and which functionalities and applications the exemption still needs to cover.
  
2. Please explain the efforts your organisation has undertaken to find and implement the use of lead-free alternatives for automotive uses. Please refer to alternatives, which at least reduce the amount of lead applied or eliminate its necessity altogether.
  
3. Please provide a roadmap specifying the necessary steps/achievements in research and development including a time scale for the substitution or elimination of lead in this exemption.
  
4. What is the amount of lead that would be contained in LHMTS in vehicles
  - a. placed on the EU market
  - b. worldwide
 in case the exemption is continued? Please provide a substantiated estimate clarifying how you have arrived at the stated result.
  
5. Overall, please let us know whether you agree with the necessity to continue the exemption and sum up your arguments for or against its continuation.

**In case parts of your contribution are confidential, please provide your contribution in two versions (public /confidential). Please also note, however, that requested exemptions cannot be granted based on confidential information!**

**Finally, please do not forget to provide your contact details (Name, Organisation, e-mail and phone number) so that Oeko-Institut/Fraunhofer IZM can contact you in case there are questions concerning your contribution.**

## References

Directive 2000/53/EC of the European Parliament and of the Council of 18 September 2000 on end-of life vehicles. ELV Directive European Union. October 21, 2000. Accessed December 5, 2013.

Gensch, Carl-Otto [Öko-Institut e.V.], et al. 7th Adaptation to Scientific and Technical Progress of Exemptions 8(e), 8(f), 8(g), 8(h), 8(j) and 10(d) of Annex II to Directive 2000/53/EC (ELV) 2015.

[http://elv.exemptions.oeko.info/fileadmin/user\\_upload/Final\\_Report/ELV-Exemptions\\_Amended\\_Final\\_2015-06-29.pdf](http://elv.exemptions.oeko.info/fileadmin/user_upload/Final_Report/ELV-Exemptions_Amended_Final_2015-06-29.pdf).