

Environmental information on headlight lamps XENARC® electronic D1 and XENARC® D2

- **Product description**

Xenarc® headlight lamps of the D1 and D2 family are mercury-containing discharge lamps which shall be operated in vehicles only with the designated XENAELECTRON® electronic control gears.

- **Lamp filling**

The lamp contains 0.5 mg Mercury.

- **Electrode**

In D lamps a thoriated tungsten electrode is used to improve ignition and guarantee stability throughout the service life of the lamp. The total activity per lamp is max. 1 Bq Th-232 (the specific activity of the electrode composition results: <36 Bq/g). Thorium is a naturally occurring radioactive element.

- **Igniter**

The igniter integrated in the base of a D1 lamp is built up in 'lead frame' design, which means it does not have a printed circuit board. The materials used in the igniter including plastics are of no relevance to the environment regarding their disposal.

- **Environmental Impact**

When used and disposed of as intended, lamps do not pose a risk to health or the environment. Only in case of a very small amount of mercury is released. The resulting foreseeable environmental impact is correspondingly low. According to current knowledge there is no acute health hazard. For more information see: www.osram.com/mercury

- **Legal requirements (EU)**

In the EU and several other countries, Xenarc® headlight lamps have to fulfil the requirements of EU Directive 2000/53/EC - End-Of-Life Vehicle.

For information on Regulation (EC) No 1907/2006 regarding Registration, Evaluation, Authorisation and Restriction of Chemicals ("REACH") see www.osram.de/reach.

- **Disposal**

As D1 and D2 headlight lamps contain mercury they have to be disposed in Europe as hazardous waste under

EWC Code 20 01 21*

"Fluorescent tubes and other mercury-containing waste"

D1 and D2 lamps shall only be changed by professionals, e.g. in car repair stations.

Lamps at end of life are usually taken back by these car repair stations.

National regulations regarding lamp recycling and disposal must be obeyed.

- **OSRAM contact address**

If you need further information please contact your OSRAM sales partner or the department *Environment, Health and Safety* (EHS) in Munich:

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