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Unit ENV/A2 Waste Management & Recycling  
Policy Officer RoHS  
Mr. Hans-Christian Eberl

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## Exemption Request for using of lead in flourescent lamps for tanning

### 1. Name and contact details of applicant

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Name and contact details of responsible person for this application

Company: see above  
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## 2. Reason for application

Request for extension of existing exemption in

Annex III, 18 (b)      Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP ( $\text{BaSi}_2\text{O}_5:\text{Pb}$ )

## 3. Summary of the exemption request

There is no substitute which replaces BSP without changes in the design of the fluorescent lamps for tanning.

## 4. Technical description of the exemption request / revocation request

BSP is used fluorescent lamps for tanning.

The relevant category of Annex II is - 5. Lighting equipment

The lamps are containing lead.

Possible substitutes like YPO are significant more expensive and require significant changes to the design of the lamp as well as a new certification process for all sun tanning beds caused by a completely different UV spectrum of YPO.

## 5. Information on possible preparation for reuse or recycling of waste from EEE and on provisions for appropriate treatment of waste

In Germany exists a closed loop system for fluorescent lamps - LIGHTCYCLE

The article is collected and sent without dismantling for recycling.

The amount (weight) of RoHS substance present in EEE waste accumulates per annum for Germany may be asked by LIGHTCYCLE.

## 6. Analysis of possible alternative substances

See point 4.

## 7. Proposed actions to develop possible substitutes

Not known

## 8. Justification according to Article 5 (1)(a)

BSP is described as a SVHC substance

Brand-Erbisdorf, 19 December 2014



Dr. Olaf Hansen

Chief Operation Officer



Christian Berndt

Product Management