

To our Customers

Hattenbergstrasse 10
55122 Mainz
Germany

Telefon: +49 (0)6131/66-0
Telefax: +49 (0)6131/66-2000
www.schott.com

Our ref.: AO-OQ

Phone: +49 (0)6131/66-2155
Fax: +49 (0)3641/2888-9054

Date: July 1, 2016
E-mail: ehs-compliance.ao@schott.com

**RoHS – DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and
electronic equipment (recast)**

Products: Optical Glass, Filter Glass and ZERODUR® from SCHOTT Advanced Optics

These products do not contain - according to our knowledge - materials in concentrations, whose placing on the market is forbidden in accordance to the current requirements of the European Directive 2011/65/EU (RoHS).

The glass ceramic ZERODUR® does not contain mercury, lead, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE).

All glasses of the current delivery program do not contain mercury, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ether (PBDE) or phthalates (DEHP, BBP, DBP, DIBP - restriction effective on July 22, 2019, according to European Delegated Directive (EU) 2015/863).

The N- and P-glasses (glass name starts with N- or P-) do not contain lead.

Some optical glasses contain lead and some filter glasses contain lead or cadmium to reach the specific optical characteristics of these products. This glass types are compliant according to the following exceptions specified in Annex III of RoHS:

- **13(a) Lead in white glasses used for optical applications**
- **13(b) Cadmium and lead in filter glasses and glasses used for reflectance standards**

According to article 5, section 2 of RoHS this exemptions are initially effective until 21 July 2016. The European Commission has defined a procedure for extension of exemptions. SCHOTT Advanced Optics together with Industry Partners and the German industry association SPECTARIS has applied for renewal of the exemptions 13(a) and 13(b) in due time.

According to our knowledge, the decisions for renewal are expected by December 2016. The existing exemptions are still applicable until the decision is made. (See DIRECTIVE 2011/65/EU, article 5, section 5, 3rd sentence: *"The existing exemption shall remain valid until a decision on the renewal application is taken by the Commission."*).

To our knowledge there is no indication for rejection of the requests for renewal.

References to information of the European Commission:

http://ec.europa.eu/environment/waste/rohs_eee/adaptation_en.htm

http://ec.europa.eu/environment/consultations/rohs13_en.htm

Link to DIRECTIVE 2011/65/EU:

<http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32011L0065&from=EN>

SCHOTT AG

i. V.



Dr. Kristian Eichgrün
Director Quality Management
Advanced Optics

i.V.



Dr. Peter Hartmann
Director Market and Customer Relations
Advanced Optics