

Texte zu EU-Regelungen zur umweltgerechten Produktgestaltung und zur Energieverbrauchskennzeichnung in der Beleuchtung – Zusammenstellung ^[1] des Umweltbundesamtes (UBA), Deutschland



Anträge auf Erneuerung verschiedener Ausnahmeregelungen nach Richtlinie 2011/65/EU (RoHS)

Entwürfe vom 13./16. Dezember 2021 für EU-Rat und -Parlament – Ausnahme 1 (a) … (e) –

Hinweis: Dies ist die englischsprachige Version. Zu Übersetzungen in andere Sprachen siehe ^[2].

EN: Information on EU Lighting Regulations – Ecodesign and Energy Labelling – Compilation ^[1] of the Federal Environment Agency (UBA), Germany

Requests for renewal of various exemptions under Directive
2011/65/EU (RoHS)

Drafts of 13/16 December 2021 for EU Council and Parliament
– Exemption 1 (a) to (e) –

Please note: This is a text in English. For translations into other languages please see ^[2].

FR: Informations sur réglementations de l'UE concernant l'éclairage – l'écoconception et l'étiquetage énergétique – Compilation ^[1] de l'Agence Fédérale de l'Environnement (UBA), Allemagne

Demandes de renouvellement pour diverses exemptions
pertinentes accordées par la directive 2011/65/UE (LdSD)

Projets du 13/16 décembre 2021 pour le Conseil et le Parlement de l'UE
– Exemption 1 (a) à (e) –

Indication : C'est un texte en anglais. Pour traductions dans d'autres langues, voir ^[2].

^[1] <https://www.eup-network.de/de/eup-netzwerk-deutschland/offenes-forum-eu-regelungen-beleuchtung/dokumente/texte/>

^[2] [DE] https://www.eup-network.de/fileadmin/user_upload/Lichtquellen_rohs_EK_2021_12_Ausnahme_1a_e_DE.pdf

[FR] https://www.eup-network.de/fileadmin/user_upload/Lichtquellen_rohs_EK_2021_12_Ausnahme_1a_e_FR.pdf

Texte im Offenen Forum

(abc = vorliegender Text)

—	Bestehende EG- und EU-Regelungen				
—	Studien der EU-Kommission				
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	Regelungsentwürfe (Produktgestaltung und -information)				
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	Regelungsentwürfe				
	1(a) ... (e)	[DE][EN][FR]	2(b)(3)	[DE][EN][FR]	4(b) [DE][EN][FR]
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	1(g)	[DE][EN][FR]	3	[DE][EN][FR]	4(e) [DE][EN][FR]
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—	Weitere Dokumente				

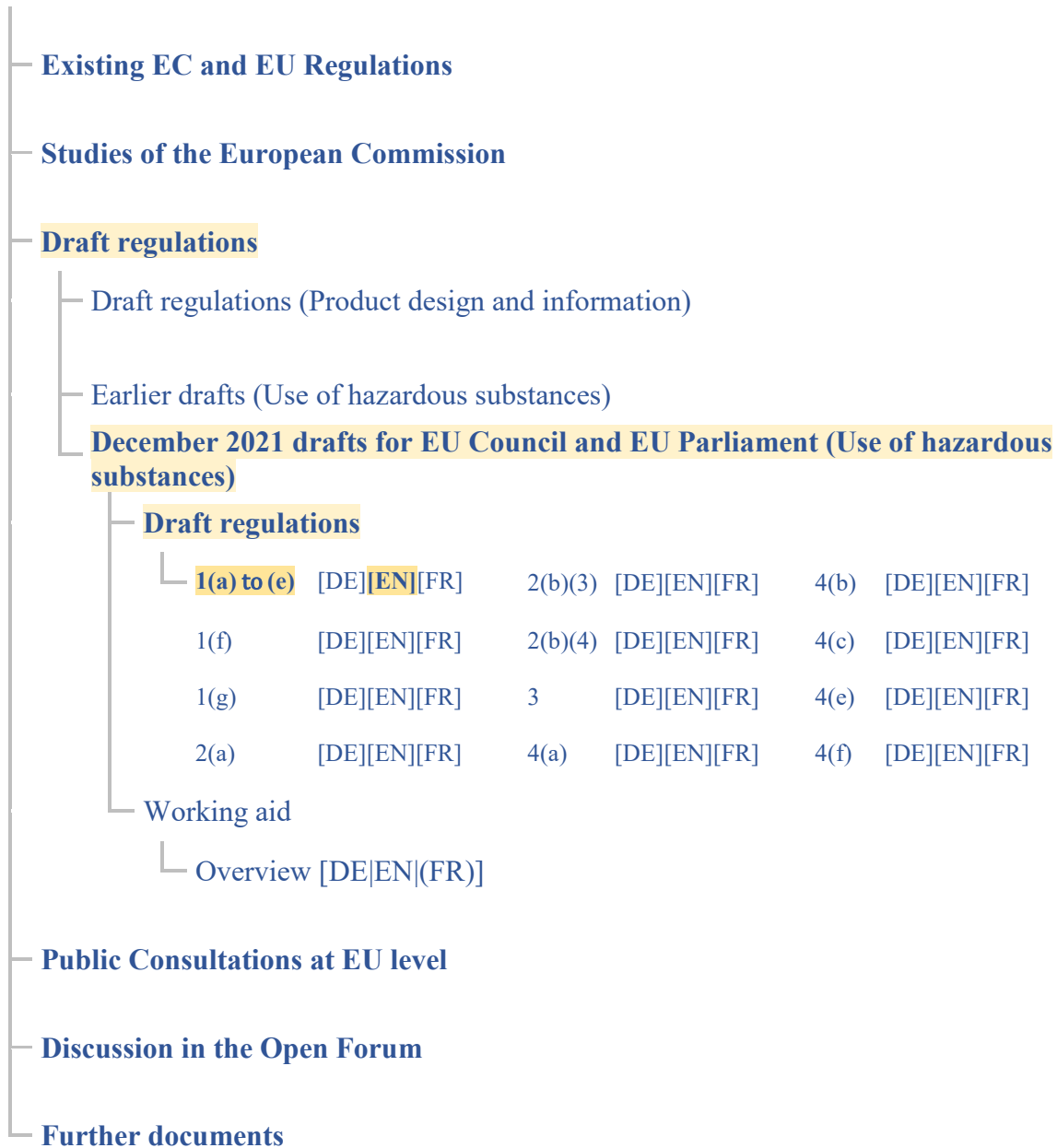
Übersicht zu den Dokumenten im Offenen Forum, die das Thema RoHS-Richtlinie (2011/65/EU) betreffen:

https://www.eup-network.de/fileadmin/user_upload/Lichtquellen_Arbeitshilfe_05a_DE.pdf

Abkürzungen: ● EG = Europäische Gemeinschaft ● EU = Europäische Union

Documents in the Open Forum

(**abc** = text at hand)



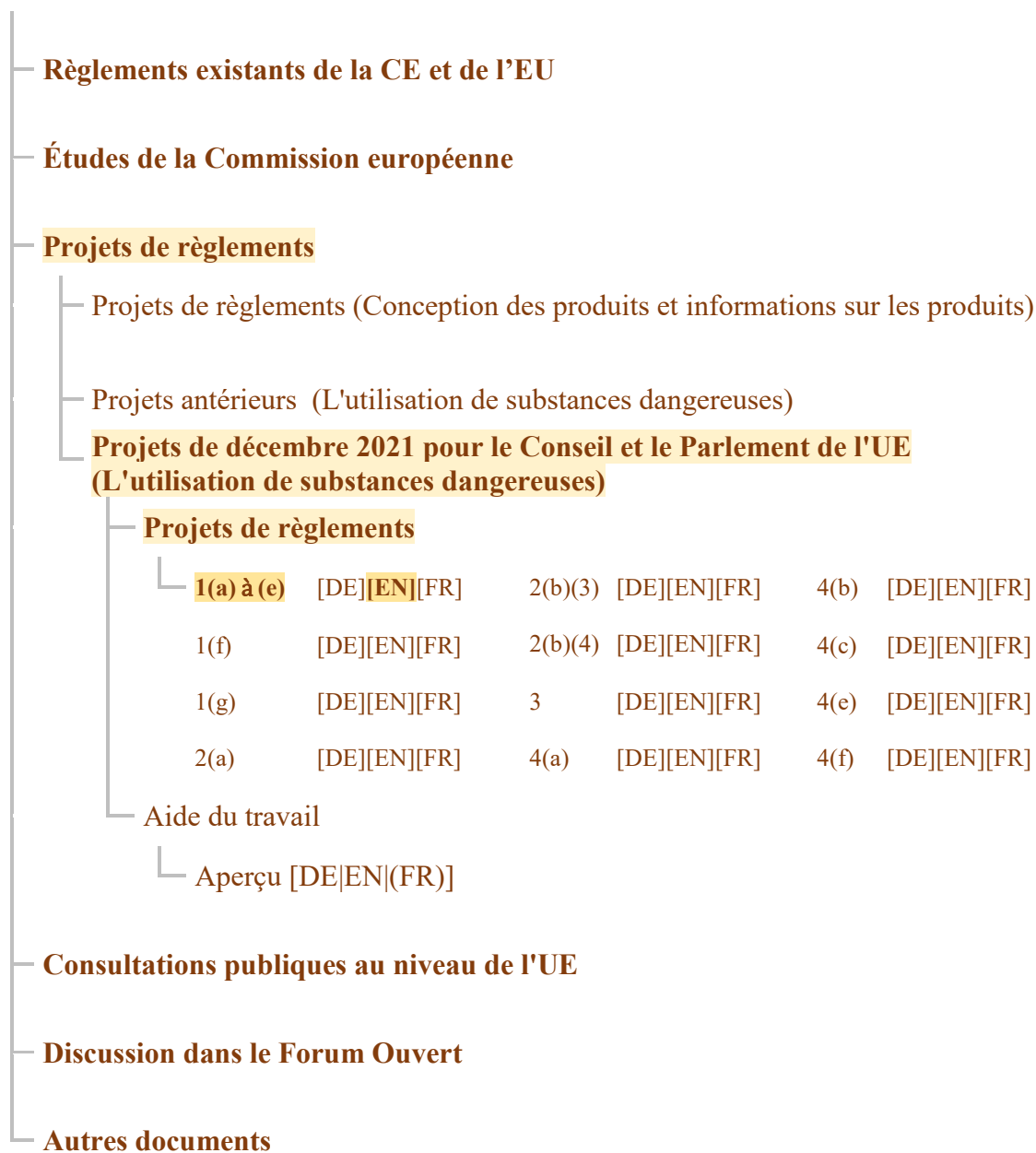
Overview of documents in the Open Forum concerning the topic of the RoHS Directive (2011/65/EU):

https://www.eup-network.de/fileadmin/user_upload/Lichtquellen_Arbeitshilfe_05a_EN.pdf

Abbreviations: ● EC = European Communities ● EU = European Union

Documents dans le forum ouvert

(abc = présent document)



Aperçu des documents du Forum Ouvert relatifs au sujet de la directive LdSD (2011/65/UE) :

https://www.eup-network.de/fileadmin/user_upload/Lichtquellen_Arbeitshilfe_05a_FR.pdf

Abréviations : ● CE = Communauté européenne ● UE = Union européenne

Nach Seite VI folgen zwei Originaltexte, die vom Herausgeber in ein Dokument gebündelt wurden.

EN: Page VI is followed by two original texts that have been bundled into one document by the editor.

FR: La page VI est suivie de deux textes originaux, regroupés en un seul document par l'éditeur.



Brussels, 13.12.2021
C(2021) 8962 final

COMMISSION DELEGATED DIRECTIVE (EU) .../...

of 13.12.2021

amending, for the purpose of adapting to technical and scientific progress, Annex III to Directive 2011/65/EU of the European Parliament and of the Council as regards an exemption for the use of mercury in single capped (compact) fluorescent lamps for general lighting purposes

(Text with EEA relevance)

EXPLANATORY MEMORANDUM

1. CONTEXT OF THE DELEGATED ACT

This Commission Delegated Directive amends, for the purpose of adapting to technical and scientific progress, Annex III to Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast)¹ (the RoHS Directive). The amendment concerns specified applications containing mercury in single capped (compact) fluorescent lamps for general lighting purposes.

The RoHS Directive restricts the use of certain hazardous substances in electrical and electronic equipment (EEE), as specified in Article 4. Ten substances are currently restricted and listed in Annex II to the Directive: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), bis (2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP) and diisobutyl phthalate (DIBP). Annexes III and IV list EEE materials and components for specific applications that are exempt from the substance restrictions laid down in Article 4(1).

Article 5 of the Directive provides for the adaptation of Annexes III and IV to scientific and technical progress, which can include granting, renewing or revoking exemptions. Pursuant to Article 5(1)(a), exemptions are to be included in Annexes III and IV only if this does not weaken the environmental and health protection afforded by Regulation (EC) No 1907/2006 (REACH)² and only if they meet any of the following conditions: (i) elimination or substituting the substance via design changes or materials and components which do not require any of the materials or substances listed in Annex II is scientifically or technically impracticable; (ii) the reliability of substitutes is not ensured; (iii) the total negative environmental, health and consumer safety impacts caused by substituting the substance are likely to outweigh the total environmental, health and consumer safety benefits thereof.

Decisions on exemptions, and their duration, must also take into account the availability of substitutes and the socioeconomic impact of substitution. Decisions on the duration of exemptions must take into account any potential impact on innovation. Life-cycle thinking on the overall impacts of the exemption must be applied, where relevant.

Article 5(1) also states that to include, or, where applicable, delete, materials and components of EEE for specific applications in the lists of Annexes III and IV, the Commission must adopt individual delegated acts. Article 5(3) and Annex V describe the procedure for submitting exemption-related applications.

2. CONSULTATIONS PRIOR TO THE ADOPTION OF THE ACT

The Commission receives requests³ from economic operators to grant or renew exemptions under Article 5(3) and Annex V to the RoHS Directive.

The current Annex III exemption entries 1 (a) to (e) permit the use of mercury in single capped (compact) fluorescent lamps not exceeding the following values (per burner):

1(a) For general lighting purposes < 30 W: 2,5 mg;

¹ OJ L 174, 1.7.2011, p. 88.

² OJ L 396, 30.12.2006, p. 1.

³ The list is available at: https://ec.europa.eu/environment/waste/rohs_eee/adaptation_en.htm.

1(b) For general lighting purposes ≥ 30 W and < 50 W: 3,5 mg;

1(c) For general lighting purposes ≥ 50 W and < 150 W: 5 mg;

1(d) For general lighting purposes ≥ 150 W: 15 mg;

1(e) For general lighting purposes, with a circular or a square structural shape and a tube diameter ≤ 17 mm: 7 mg.

The Commission received two applications for the renewal of the related exemption entries in December 2014 and January 2015. One of the applications was renewed with additional information in January 2020. The applicants, in essence, claimed that substitutes for all the applications in question were not available. One applicant stated that, despite of the increasing availability on the EU market of mercury-free light-emitting diode (LED) alternatives, they cannot always serve as a fully compatible replacement for the vast variety of CFL lamps for consumers and professional end users. The other applicant argued along the same line.⁴

In line with the requirements of the RoHS Directive (Article 5(5), second subparagraph), an exemption remains valid until the Commission issues a decision on the renewal application.

To evaluate the applications to renew that exemption, the Commission first launched a study in June 2015⁵, concluded in 2016, to carry out the required technical and scientific assessment, including an eight-week online stakeholder consultation.⁶ Further to that study assessing the extensive technical and scientific data and contributions received, the Commission carried out two complementary studies/updates, including stakeholder involvement. The study published in 2019⁷ focused on the socioeconomic assessment and availability of substitutes, whilst an update based on recent figures and modelling was carried out in 2020⁸. The final reports of the study and of the socioeconomic assessment update were published⁹; stakeholders were notified.

The Commission consulted the Member State expert group for delegated acts under the RoHS Directive during the expert meetings of 1 September 2016, 29 October 2018 and 21 October 2019. In July 2020, the Commission also informed the Member State expert group, by written consultation, of the 2020 socioeconomic update and received the Member States' positions on a proposed course of action. It carried out all the requisite procedural steps relating to applications for exemption from the substances restriction under Article 5(3) to 5(7).¹⁰ The Council and the European Parliament were notified of all activities.

The supporting study reports highlighted the following technical information and assessment:

- The 2015-2016 study concluded that reliable mercury-free substitutes are available on the European Union market. The study provided ample evidence that substituting

⁴ <https://rohs.exemptions.oeko.info/index.php?id=229>.

⁵ Final Report of the study is available at <https://op.europa.eu/en/publication-detail/-/publication/a3fdcc8c-4273-11e6-af30-01aa75ed71a1>.

⁶ Consultation period: 21 August 2015 to 16 October 2015, <https://rohs.exemptions.oeko.info>.

⁷ https://rohs.exemptions.oeko.info/fileadmin/user_upload/reports/FWCW_RoHS_Lamps_SEA_20190729_Final.pdf

⁸ <https://op.europa.eu/en/publication-detail/-/publication/f44f2383-dd0a-11ea-adf7-01aa75ed71a1/language-en/format-PDF/source-146144383>, starting on page 92.

⁹ https://ec.europa.eu/environment/waste/rohs_eee/studies_rohs1_en.htm.

¹⁰ A list of the required administrative steps is available on the [Commission website](#). The current stage of the procedure can be viewed for each draft delegated act in the Interinstitutional Registry of Delegated Acts at <https://webgate.ec.europa.eu/regdel/#/home>.

mercury in the lamp categories covered by the exemption is scientifically and technically practicable.

- The 2019 and 2020 study updates focused on the availability of substitutes and the socioeconomic impact of substitution. They documented that the total cost of substitution largely depend on the share of lamps available on the market as replacements and that the substitution costs would be relatively quickly offset by the benefits generated by related energy savings. The 2020 socioeconomic assessment update showed that, overall, substituting the lamp categories under assessment with LED alternatives would mean avoiding placing 2882 kg of mercury in lamps on the European Union market.¹¹ Overall, the premature generation of e-waste caused by the need to rewire and replace the lamps in certain lamp categories would be offset both by avoiding future use of mercury and by generating substantial energy savings.

In conclusion, the scientific and technical assessments, including stakeholder consultations, detailed that none of the exemption criteria are met with regard to exemption 1(a) to (e). In particular, the assessments concluded that mercury-free alternatives are already available. The availability of substitutes has furthermore been documented and calculations based on this evidence on the socioeconomic impact of substituting mercury have shown to result in overall¹² savings and overall benefits in terms of environmental, health and consumer safety aspects. The socioeconomic analysis did not require a transition period.

In accordance with the Better Regulation Guidelines, the draft Delegated Directive was published on the Better Regulation Portal for a four-week public feedback period. During the consultation on the draft act, 12 contributions from members of the public were received. The points raised were considered and no amendment to the draft was deemed necessary.

3. LEGAL ELEMENTS OF THE DELEGATED ACT

On the basis of Article 5(1), the delegated directive revokes exemption entries 1(a) to (e) listed in Annex III to Directive 2011/65/EU for the use of mercury in the specified applications in mercury-based lamps.

The Commission's assessment of the exemption request, based on the supporting studies and consultations, concluded that none of the criteria laid down in Article 5(1)(a) of the RoHS Directive that justify a further extension of the exemption is met. The substitution of mercury with reliable substitutes in the lamp categories concerned by this exemption is scientifically and technically practicable, and evidence is provided that the total impact of substitution, in environmental, health and consumer safety impacts largely outweigh any negative impacts. In particular, the substitution would not only mean avoiding placing considerable quantities of mercury on the EU market, but it would also generate energy savings and provide an additional stimulus for innovation¹³. In summary, the conditions for the exemption are no longer fulfilled, and entries 1(a) to (e) are to be deleted, in accordance with Article 5(1)(b).

¹¹ The 2020 socioeconomic assessment update included compact fluorescent lamps non-integrated (CFLni), linear fluorescent lamps with a tube diameter of 9-17 mm (e.g. T5) and 17-28 mm (e.g. T8).

¹² Idem.

¹³ The products in scope are also regulated by Commission Regulation (EU) 2019/2020 of 1 October 2019 laying down ecodesign requirements for light sources and separate control gears that applies from 1 September 2021. Differently from Directive 2011/65/EU, the ecodesign legislation does not restrict substances in products but sets energy efficiency requirements to be respected in order for the products to be placed on the market. CFL with integrated control gear (CFLi) will not *de facto* be placed on the market from 1 September 2021 due to their non-compliance with these energy efficiency requirements.

The expiry date for this exemption is set in line with Article 5(6) of the RoHS Directive, which prescribes that, in the event an exemption is revoked, it shall expire at the earliest 12 months, and at the latest 18 months, after the date of that decision. In the current case, the earliest expiry date of 12 months is to be set. There are no practical circumstances that would require a longer transition time.

The legal instrument is a delegated directive, which is in line with the enabling legal act, Directive 2011/65/EU, in particular with the delegation in Article 5(1) and 20 thereof.

The objective of the delegated directive is to contribute to the protection of human health and the environment and align the provisions for the functioning of the internal market in the field of electrical and electronic equipment, by revoking an exemption for the use of otherwise banned substances for specific applications, with the provisions and under the conditions of the RoHS Directive and the established procedure for adapting Annexes III and IV to scientific and technical progress.

The delegated directive has no implications on the EU budget.

Commission Regulation (EU) 2019/2020 identifies mercury content as a significant environmental aspect in the life-cycle of a light source, but acknowledges that the use of hazardous substances, including mercury in light sources, is governed by Directive 2011/65/EU.

COMMISSION DELEGATED DIRECTIVE (EU) .../...

of 13.12.2021

amending, for the purpose of adapting to technical and scientific progress, Annex III to Directive 2011/65/EU of the European Parliament and of the Council as regards an exemption for the use of mercury in single capped (compact) fluorescent lamps for general lighting purposes

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to 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 equipment¹, and in particular Article 5(1), point (b) thereof,

Whereas:

- (1) Directive 2011/65/EU requires Member States to ensure that electrical and electronic equipment placed on the market does not contain the hazardous substances listed in Annex II to that Directive. That restriction does not apply to certain exempted applications listed in Annex III to the Directive.
- (2) The categories of electrical and electronic equipment to which Directive 2011/65/EU applies are listed in Annex I to that Directive.
- (3) Mercury is a restricted substance listed in Annex II to Directive 2011/65/EU.
- (4) By Decision 2010/571/EU², the Commission granted, among other things, an exemption for the use of mercury in single capped (compact) fluorescent lamps for general lighting purposes ('the exemption'), which is now listed as exemption 1(a), 1(b), 1(c), 1(d) and 1(e) in Annex III to Directive 2011/65/EU. The exemption was to expire on 21 July 2016, in accordance with Article 5(2), second subparagraph, point (a), of that Directive.
- (5) Mercury is used in single capped (compact) fluorescent lamps to produce ultraviolet light, which is then converted into visible light by the fluorescent coating on the lamp bulb.
- (6) On 19 December 2014 and 15 January 2015, the Commission received two applications for renewal of the exemption ('the renewal applications'), that is within the time limit laid down in Article 5(5) of Directive 2011/65/EU, of which one was updated with a renewed application on 20 January 2020. In accordance with Article

¹ OJ L 174, 1.7.2011, p. 88.

² Commission Decision 2010/571/EU of 24 September 2010 amending, for the purposes of adapting to scientific and technical progress, the Annex to Directive 2002/95/EC of the European Parliament and of the Council as regards exemptions for applications containing lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers (OJ L 251, 25.9.2010, p. 28).

5(5), second subparagraph, of Directive 2011/65/EU, the exemption remains valid until a decision on the renewal application has been taken.

- (7) The evaluation of the renewal applications, which took into account the availability of substitutes and the socioeconomic impact of substitution, concluded that sufficiently reliable mercury-free substitutes for the lamp types covered by the exemption are already widely available and that the substitution of mercury in these lamps is scientifically and technically practicable. Furthermore, that evaluation concluded that the benefits of substitution will clearly outweigh any negative impact.
- (8) The evaluation of the renewal applications included stakeholder consultations in accordance with Article 5(7) of Directive 2011/65/EU. The comments received during those consultations were made publicly available on a dedicated website.
- (9) As the conditions set out in Article 5(1), point (a), of Directive 2011/65/EU are no longer fulfilled, the renewal application should be rejected.
- (10) An expiry date for the exemption should be set in accordance with Article 5(6) of that Directive. The earliest possible date of 12 months from the Commission decision to revoke the exemption should be set given that there are no practical circumstances that would justify a longer expiry time, in particular considering that many of the lamps in question are also covered by Commission Regulation (EU) 2019/2020 which sets minimum energy efficiency requirements to be respected in order for the products to be placed on the market, which will imply that those lamps will not *de facto* be placed on the market from 1 September 2021.
- (11) Directive 2011/65/EU should therefore be amended accordingly,

HAS ADOPTED THIS DIRECTIVE:

Article 1

Annex III to Directive 2011/65/EU is amended as set out in the Annex to this Directive.

Article 2

1. Member States shall adopt and publish, by [\[the last day of the sixth month after the date of entry into force of this Directive\]](#) at the latest, the laws, regulations and administrative provisions necessary to comply with this Directive. They shall forthwith communicate to the Commission the text of those provisions.

They shall apply those provisions from [\[the last day of the sixth month after the date of entry into force of this Directive + 1 day\]](#).

When Member States adopt those provisions, they shall contain a reference to this Directive or be accompanied by such a reference on the occasion of their official publication. Member States shall determine how such reference is to be made.

2. Member States shall communicate to the Commission the text of the main provisions of national law which they adopt in the field covered by this Directive.

Article 3

This Directive shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

Article 4

This Directive is addressed to the Member States.

Done at Brussels, 13.12.2021

For the Commission
The President
Ursula VON DER LEYEN



Brussels, 13.12.2021
C(2021) 8962 final

ANNEX

ANNEX

to

Commission Delegated Directive

amending, for the purpose of adapting to technical and scientific progress, Annex III to Directive 2011/65/EU of the European Parliament and of the Council as regards an exemption for the use of mercury in single capped (compact) fluorescent lamps for general lighting purposes

ANNEX

In Annex III to Directive 2011/65/EU, entries 1, 1(a), 1(b), 1(c), 1(d) and 1(e) are replaced by the following:

Exemption		Scope and dates of applicability
'1	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):	
1(a)	For general lighting purposes < 30 W: 2,5 mg	Expires on [PO: 12 months after the publication of the Delegated Directive in the Official Journal]
1(b)	For general lighting purposes \geq 30 W and < 50 W: 3,5 mg	Expires on [PO: 12 months after the publication of the Delegated Directive in the Official Journal]
1(c)	For general lighting purposes \geq 50 W and < 150 W: 5 mg	Expires on [PO: 12 months after the publication of the Delegated Directive in the Official Journal]
1(d)	For general lighting purposes \geq 150 W: 15 mg	Expires on [PO: 12 months after the publication of the Delegated Directive in the Official Journal]
1(e)	For general lighting purposes with circular or square structural shape and tube diameter \leq 17 mm: 5 mg	Expires on [PO: 12 months after the publication of the Delegated Directive in the Official Journal]'