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Exemptions of RoHS Directive Updated

In The exemptions of RoHS Directive (2011/65/EU) are listed in Annex III and Annex IV, which are suitable for all EEE. Meanwhile, the exemptions in Annex IV are only suitable for medical devices and monitoring and control instruments

On February 24, 2022, the European Commission published Directives:

- (EU) 2022/274
- (EU) 2022/275
- (EU) 2022/276
- (EU) 2022/277
- (EU) 2022/278
- (EU) 2022/279
- (EU) 2022/280
- (EU) 2022/281
- (EU) 2022/282
- (EU) 2022/283
- (EU) 2022/284
- (EU) 2022/287

revising several exemptions related to the applications of mercury to Annex III of the RoHS Directive. All effective exemptions in Annex III and Annex IV are listed in the adjacent table.



Exemptions in Annex III of 2011/65/EU for all EEE

Notes:

- The exemption of which an application for renewal was submitted in due time is under evaluation. The existing exemption shall remain valid until a decision on the renewal application is taken by the Commission. If the application for renewal of an exemption is rejected or that an exemption is revoked, the exemption shall expire at the earliest 12 months after the date of the decision. If the application is accepted, the period of validity shall be issued.
- The exemption of which no application for renewal was submitted in due time, only applies to in vitro diagnostic medical devices in category 8, industrial monitoring and control instruments in category 9 and category 11, other subcategories have expired. In vitro diagnostic medical devices are valid until July 21, 2023, industrial monitoring and control instruments and category 11 equipment are valid until July 21, 2024.

1. Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):

EXEMPTION	EXPIRY DATE
a. For general lighting purposes < 30 W: 2.5 mg	February 24, 2023
b. For general lighting purposes ≥ 30 W and < 50 W: 3.5 mg	
c. For general lighting purposes ≥ 50 W and <150 W: 5 mg	
d. For general lighting purposes ≥ 150 W: 15 mg	
e. For general lighting purposes with circular or square structural shape and tube diameter ≤ 17 mm: 7 mg	February 24, 2025 (New)
f. i. For lamps designed to emit mainly light in the ultraviolet spectrum: 5 mg	
f. ii. For special purposes: 5 mg	August 24, 2023
g. For general lighting purposes < 30 W with a lifetime equal or above 20 000 h: 3,5 mg	

2a. Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp):

EXEMPTION	EXPIRY DATE
i. Tri-band phosphor with normal lifetime and a tube diameter < 9 mm (e.g. T2): 4 mg	February 24, 2023
ii. Tri-band phosphor with normal lifetime and a tube diameter ≥ 9 mm and ≤ 17 mm (e.g. T5): 3 mg	August 24, 2023
iii. Tri-band phosphor with normal lifetime and a tube diameter >17 mm and ≤ 28 mm (e.g. T8): 3.5 mg	February 24, 2023
iv. Tri-band phosphor with normal lifetime and a tube diameter > 28 mm (e.g. T12): 3.5 mg may be used per lamp	February 24, 2023
v. Tri-band phosphor with long lifetime (≥ 25 000 h): 5 mg	

2b. Mercury in other fluorescent lamps not exceeding (per lamp):

EXEMPTION	EXPIRY DATE
iii. Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9): 15 mg	February 24, 2023
iv. Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9): 10 mg	February 24, 2025 (New, becomes effective on February 25, 2023)
1. Lamps for other general lighting and special purposes (e.g. induction lamps): 15 mg	February 24, 2025
2. Lamps emitting mainly light in the ultraviolet spectrum: 15 mg	February 24, 2027 (New)
3. Emergency lamps: 15 mg	

3. Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):

EXEMPTION	EXPIRY DATE
a) Short length (≤ 500 mm): 3,5 mg	February 24, 2025
b) Medium length (>500 mm and ≤ 1500 mm): 5 mg	
c) Long length (> 1500 mm): 13 mg	

EXEMPTION	EXPIRY DATE
4a. Mercury in other low-pressure discharge lamps (per lamp): 15 mg	February 24, 2023
i. Mercury in low pressure non-phosphor coated discharge lamps (per lamp), where the application requires the main range of the lamp-spectral output to be in the ultraviolet spectrum: 15 mg	February 24, 2027 (New)

4b. Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60:

EXEMPTION	EXPIRY DATE
i. P ≤ 155 W: 30 mg	February 24, 2023
ii. 155 W <P ≤ 405 W: 40 mg	
iii. P > 405 W: 40 mg	

EXEMPTION	EXPIRY DATE
4b. Mercury in high pressure sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index ra > 80: p ≤ 105 w: 16 mg	February 24, 2027 (New)

4c. Mercury in other High-Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner):

EXEMPTION	EXPIRY DATE
i. $P \leq 155$ W: 25 mg	February 24, 2027
ii. 155 W < $P \leq 405$ W: 30 mg	
iii. $P > 405$ W: 40 mg	

EXEMPTION	EXPIRY DATE
4e. Mercury in metal halide lamps (MH)	February 24, 2027

EXEMPTION	EXPIRY DATE
4f. i. Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex	February 24, 2025
4f. ii. Mercury in high pressure mercury vapour lamps used in projectors where an output ≥ 2000 lumen ANSI is required	February 24, 2027 (New)
4f. iii. Mercury in high pressure sodium vapour lamps used for horticulture lighting	
4f. iv. Mercury in lamps emitting light in the ultraviolet spectrum	

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