

## 欧盟 RoHS 法规豁免清单更新

2020年3月5日，欧盟官方公报（OJ）发布新指令(EU)2020/360、(EU)2020/361、(EU)2020/364、(EU)2020/365、(EU)2020/366，修订 RoHS 指令 2011/65/EU 附录 III 和附录 IV 的豁免条款。此次修订主要针对六价铬和铅在一些豁免材料中的用途进行细分并根据细分类别给出新的豁免期限，具体内容如下：

### 1. 根据(EU) 2020/360，欧盟 RoHS 附件 IV 第 37 条目更新为

| 项目号 | 豁免项目   | 适用范围及日期              |
|-----|--|----------------------|
| 37  | 应用以下至少一个条件的电导率测试所用镀铂的铂电极中的铅：<br>(a) 在未知浓度的实验室应用中，具有覆盖超过一个数量级（如范围在 0.1mS/m 和 5mS/m 之间）的电导率范围的大范围测量；<br>(b) 样本范围精确度为+/- 1%和需要高耐蚀性电极的溶液测量：<br>(i) 溶液酸度 < pH 1；<br>(ii) 溶液碱度 > pH 13；<br>(iii) 含有卤素气体的腐蚀性溶液；<br>(c) 必须使用便携式工具进行的电导率超过 100mS/m 的测量。 | 豁免至 2025 年 12 月 31 日 |

### 2. 根据(EU) 2020/361，欧盟 RoHS 附件 III 第 9 条目更新为：

| 项目号     | 豁免项目   | 适用范围及日期  |
|---------|--|--|
| 9       | 六价铬，用于吸收式电冰箱作为碳钢冷却系统中的防腐蚀剂，其重量比占冷却液不超过 0.75%   | 适用于第 8、9 和 11 类，豁免至：<br>—第 8 类和第 9 类中除体外诊断医疗设备和工业监测和控制设备外，豁免至 2021 年 7 月 21 日；<br>—第 8 类体外诊断医疗设备，豁免至 2023 年 7 月 21 日；<br>—第 9 类工业监测和控制设备和第 11 类，豁免至 2024 年 7 月 21 日。 |
| 9(a)-I  | 用于吸热式冰箱（包括迷你冰箱）碳钢冷却系统中的防腐蚀剂，六价铬浓度最大为 0.75%（重量比），冰箱设计为完全或部分使用电加热器运行，在恒定运行条件下，平均输入功率为 < 75W              | 适用于 1~7 类和第 10 类，豁免至 2021 年 3 月 5 日  |
| 9(a)-II | 用于吸热式冰箱碳钢冷却系统中的防腐蚀剂，六价铬浓度最大为 0.75%（重量比）<br>—设计为完全或部分使用电加热器运行，在恒定运行条件下，平均输入功率为 ≥ 75 W<br>—设计为完全使用非电力加热器 | 适用于 1~7 类和第 10 类，豁免至 2021 年 3 月 5 日  |

### 3. 根据(EU) 2020/364，欧盟 RoHS 附件 IV 新增第 44 条目：

| 项目号 | 豁免项目 | 适用范围及日期 |
|-----|------|---------|
|-----|------|---------|

|    |  |                               |
|----|--|-------------------------------|
| 44 | 用于电离辐射暴露超过 100Gy/hour，且总剂量超过 100kGy 的环境中，分辨率大于 450 电视线的耐辐射摄像机管身中的镭 | 适用于第 9 类，豁免至 2027 年 3 月 31 日。 |
|----|--|-------------------------------|

#### 4. 根据(EU) 2020/365，欧盟 RoHS 附件 III 第 41 条目更新为：

| 项目号 | 豁免项目   | 适用范围及日期  |
|-----|--|--|
| 41  | 电气和电子元件的焊料和最终表面材料，以及用于点火模块和其他电气和电子发动机控制系统的印刷电路板表面材料中的铅，由于技术原因必须直接安装或者安装在手持内燃机的曲轴箱或气缸内（指令 97/68/EC 中的类别 SH:1、SH:2、SH:3） | 适用于各类产品，豁免至：<br>— 第 1~7 类，第 10 类和 11 类豁免至 2022 年 3 月 31 日<br>— 第 8 类和第 9 类中除体外诊断医疗设备和工业监测和控制设备外，豁免至 2021 年 7 月 21 日；<br>— 第 8 类体外诊断医疗设备，豁免至 2023 年 7 月 21 日；<br>— 第 9 类工业监测和控制设备和第 11 类，豁免至 2024 年 7 月 21 日。 |

#### 5. 根据(EU) 2020/366，欧盟 RoHS 附件 IV 第 41 条目更新为：

| 项目号 | 豁免项目  | 适用范围及日期              |
|-----|---|----------------------|
| 41  | 用于血液及其他液体、气体分析的体外诊断医疗设备中电位、电流、电导传感器聚氯乙烯（PVC）基材中作为热稳定剂的铅 | 豁免至 2022 年 3 月 31 日。 |

生效日期：附录 IV-44 条生效日期为 2020 年 9 月 1 号，其余均为 2021 年 4 月 1 号。

官网更新链接：[https://eur-lex.europa.eu/eli/dir\\_del/2020/360/oj](https://eur-lex.europa.eu/eli/dir_del/2020/360/oj)  
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32020L0361>  
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32020L0364>  
<https://eur-lex.europa.eu/legal-content/EN/PIN/?uri=CELEX:32020L0364>  
[https://eur-lex.europa.eu/eli/dir\\_del/2020/365/oj](https://eur-lex.europa.eu/eli/dir_del/2020/365/oj)  
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32020L0366>

## EU RoHS exemption list updated

On 5 March 2020, the official gazette of the European Union (OJ) issued new directives (EU 2020/360, (EU) 2020/361, (EU) 2020/364, (EU) 2020/365, (EU) 2020/366, amending the exemption clauses of appendix III and appendix IV of the RoHS directive 2011/65 / EU. This revision mainly subdivides the usage of hexavalent chromium and lead in some exempted materials and gives a new exemption period according to the subdivision category, as follows:

### 1、 According to (EU) 2020/360, item 37 of annex IV of EU RoHS is updated to

| Item no. | Exemption   | Scope&Deadline              |
|----------|---|-----------------------------|
| 37       | Lead in platinized platinum electrodes used for conductivity measurements where at least one of the following conditions applies:<br>(a) wide-range measurements with a conductivity range covering more than 1 order of magnitude (e.g. range between 0,1 mS/m and 5 mS/m) in laboratory applications for unknown concentrations;<br>(b) measurements of solutions where an accuracy of +/- 1 % of the sample range and where high corrosion resistance of the electrode are required for any of the following:<br>(i) solutions with an acidity < pH 1;<br>(ii) solutions with an alkalinity > pH 13;<br>(iii) corrosive solutions containing halogen gas;<br>(c) measurements of conductivities above 100 mS/m that must be performed with portable instruments. | Expires on 31 December 2025 |

### 2、 According to (EU) 2020/361, item 9 of annex III to EU RoHS is updated to read:

| Item no. | Exemption  | Scope&Deadline   |
|----------|--|--|
| 9        | Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0,75 % by weight in the cooling solution  | Applies to categories 8, 9 and 11 and expires on:<br>—21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments,<br>—21 July 2023 for category 8 in vitro diagnostic medical devices,<br>—21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11. |
| 9(a)-I   | Up to 0,75 % hexavalent chromium by weight, used as an anticorrosion agent in the cooling solution of carbon steel cooling systems of absorption refrigerators (including minibars) designed to operate fully or partly with electrical heater, having an average utilised power input < 75 W at constant running conditions | Applies to categories 1-7 and 10 and expires on 5 March 2021.  |
| 9(a)-II  | Up to 0,75 % hexavalent chromium by weight, used as an anticorrosion agent in the cooling solution of carbon steel cooling systems of absorption refrigerators:<br>—designed to operate fully or partly with electrical heater, having an average utilised power input $\geq$ 75 W at constant running conditions,           | Applies to categories 1-7 and 10 and expires on 21 July 2021.'   |

|  |  |  |
|--|--|--|
|  | —designed to fully operate with non-electrical heater.--<br>designed to operate entirely on non-electric heaters |  |
|--|--|--|

**3、 According to (EU) 2020/364, annex IV to EU RoHS adds item 44:**

| Item no. | Exemption  | Scope&Deadline                                    |
|----------|--|---|
| 44       | Cadmium in radiation tolerant video camera tubes designed for cameras with a centre resolution greater than 450 TV lines which are used in environments with ionising radiation exposure exceeding 100 Gy/hour and a total dose in excess of 100kGy. | Applies to category 9. Expires on 31 March 2027.' |

**4、 According to (EU) 2020/365, item 41 of annex III to EU RoHS is updated to read:**

| Item no. | Exemption  | Scope&Deadline  |
|----------|--|---|
| 41       | Lead in solders and termination finishes of electrical and electronic components and finishes of printed circuit boards used in ignition modules and other electrical and electronic engine control systems, which for technical reasons must be mounted directly on or in the crankcase or cylinder of hand-held combustion engines (classes SH:1, SH:2, SH:3 of Directive 97/68/EC of the European Parliament and of the Council | Applies to all categories and expires on:<br>—31 March 2022 for categories 1 to 7, 10 and 11;<br>—21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments;<br>—21 July 2023 for category 8 in vitro diagnostic medical devices;<br>—21 July 2024 for category 9 industrial monitoring and control instruments. |

**5、 According to (EU) 2020/366, article 41 of annex IV to EU RoHS is updated to read:**

| Item no. | Exemption   | Scope&Deadline             |
|----------|---|----------------------------|
| 41       | Lead as a thermal stabiliser in polyvinyl chloride (PVC) used as base material in amperometric, potentiometric and conductometric electrochemical sensors which are used in in-vitro diagnostic medical devices for the analysis of blood and other body fluids and body gases. | Expires on 31 March 2022.. |

Effective date: the effective date of appendix iv-44 is September 1, 2020, and the rest are April 1, 2021.

Official website update link: [https://eur-lex.europa.eu/eli/dir\\_del/2020/360/oj](https://eur-lex.europa.eu/eli/dir_del/2020/360/oj)  
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32020L0361>  
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32020L0364>  
<https://eur-lex.europa.eu/legal-content/EN/PIN/?uri=CELEX:32020L0364>  
[https://eur-lex.europa.eu/eli/dir\\_del/2020/365/oj](https://eur-lex.europa.eu/eli/dir_del/2020/365/oj)  
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32020L0366>



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