



Consumer products

HCT-2017-03-03

## SS-00259 updated to the Fifteenth edition

The Fifteenth Edition of the SS-00259 for General Use (MANAGEMENT REGULATIONS FOR THE ENVIRONMENT-RELATED SUBSTANCES TO BE CONTROLLED WHICH ARE INCLUDED IN PARTS AND MATERIALS) was released on March 1, 2017. The Fifteenth Edition will come into effect on 1, April 2017. Compared with the Fourteenth edition, the major amendments are:

**Table 1: Newly added 5 hazardous substances**

| Newly added substance                                                    | CAS No. | Criteria/threshold levels | Targets                                                                                      | Limit                                                              |
|--------------------------------------------------------------------------|---------|---------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Nickel                                                                   | /       | Level 1                   | Parts and materials for mobile phone, where prolonged skin contact is expected               | 0.28 $\mu\text{g}/\text{cm}^2/\text{week}$ (release concentration) |
|                                                                          |         | Level 3                   | All, where prolonged skin contact is expected                                                | Intentionally added                                                |
| 37 substances in candidate list for authorization of EU REACH regulation | /       | Level 3                   | All uses                                                                                     | 0.1 wt% (1000 ppm) of article                                      |
| Radioactive substances                                                   | /       | Level 3                   | All uses                                                                                     | Intentionally added                                                |
| Polyvinyl chloride (PVC) and PVC blends                                  | /       | Level 3                   | See SS-00259 Fifteenth edition page 23                                                       | Intentionally added                                                |
|                                                                          |         | Level 1                   | See SS-00259 Fifteenth edition page 23                                                       | Intentionally added                                                |
| Brominated flame retardants (BFR)                                        | /       | Level 1                   | Main printed wiring boards (PWB) of a product newly released at least after April 1st, 2011. | 0.09 wt% (900 ppm) total bromine content in laminate               |
|                                                                          |         |                           | Main housing of a product newly released at least after April 1st, 2011.                     | 0.1 wt% (1000 ppm) of bromine in plastic materials                 |

**Table 2: Adjust criteria/threshold levels of some substances**

|                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The threshold levels of DINP, DIDP & DNOP were adjusted to level 1 from level 3.                                                                                                                            |
| Added the level 1 of formaldehyde for textiles.                                                                                                                                                             |
| Added the level 1 of Cobalt dichloride for Moisture indicator used for a desiccant agent and Humidity indicator card which is impregnated with cobalt dichloride, specify the all other targets of level 3. |



**Table 3: Added some terms & definitions**

|                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Homogenous material:</b> means one material of uniform composition throughout or a material, consisting of a combination of materials that cannot be disjointed or separated into different materials by mechanical actions, such as unscrewing, cutting, crushing, grinding and abrasive processes. |
| <b>Material:</b> means substance or mixture within a product or product part.                                                                                                                                                                                                                           |
| <b>Part:</b> means an article to be manufactured until it turns into an end product (the final article which is the outcome of assembling, processing or manufacturing chemical products and/or parts).                                                                                                 |
| <b>Article:</b> means an item of specific shape, appearance or design created during manufacture which substantially determines functions in final use rather than functions provided by its chemical composition.                                                                                      |
| <b>Product:</b> means a part or an end product which is delivered to a customer as the outcome of business activities of the organization.                                                                                                                                                              |
| <b>Target:</b> is an object or element (e.g. parts, materials, applications or processing) that might trigger further obligations depending on the defined "management level."                                                                                                                          |
| <b>Threshold level:</b> is a condition or concentration limit that might trigger further obligations depending on the defined "management level."<br>Notes: * When criteria such as 'Intentionally added' and a numerical value are shown in 'threshold level,' both of them shall be satisfied.        |

## HCT Solutions:

SS-00259 is applicable to the parts, materials, and other articles that are procured by the Sony group, or by third parties to which the Sony group outsources the design and manufacture of its electronics products. It will normally be updated every year, HCT suggest enterprises to read the update of SS00259, and refer to the requirements to the hazardous substance, to make sure the products are conform with the client requirements.

### Contact us:

Shenzhen Hongcai testing technology co., LTD. (HCT)

Web: <http://www.hct-test.com/>

Hotline: 400-0066-989 T: (86) 755 8416666

Email: [service@hct-test.com](mailto:service@hct-test.com)

Add: 3rd floor, Block D, Peng Litai Industrial Estate, Long

Ping West Road, Longgang District, Shenzhen City.

**Statement:** This publication is only educational and does not replace any legal requirements or applicable rules. Information included in the publication will not be revised. HCT does not guarantee that the content contained in the publication without any errors or will meet any particular performance or quality standards. If there is no consent of HCT in advance, please do not quote or refer any information contained in this publication.