

Revisions to the Chemical Substance  
Management Rank Guidelines  
(for Products) Ver. 12.1  
and Related Requests

**Quality & Environment Division**  
**Panasonic Corporation**  
**Sep. 23, 2020**

## **1. Points of revisions to the Rank Guidelines**

## **2. Requests to suppliers**

# Rank Guidelines Main Revised Contents

## Rank Guidelines

1. Objective of this Guidelines

2. Scope

3. Operations and Exemptions

4. Establishment, Revision, and Abolition

5. Definition of Term

6. Specified Managed Substances

- Level 1 Prohibited Substances (PS)

- Level 2 PS

- Level 3 PS

- Managed Substances

- Added to the 'Explanation of Company/BD situation'.

- Added the following sentence: 'there is a case that a substance is set and restricted as a Level 1 Prohibited Substance more than 1 year ahead of the effective date of the law or regulation' to the definition of Level 1 Prohibited Substances.

- Added the ELV Directive to the laws and regulations referred to. (Refer to Page 3.)
- Added a footnote to the Chemical Substances Control Law (CSCL) on PCB.
- Changed the descriptions on PBB and PBDE. (Refer to Page 4.)
- Deleted the exemption of PFOS.
- Added exemption of PFOA. (Refer to Page 5.)
- Added notes on spare parts. (Refer to Page 6.)

- Changed the category of PFHxS from the Level 3 to the Level 2. (Refer to Page 7.)

Appendix 1. Exempted Items List on the EU RoHS Directive

Appendix 2. Exempted Items on the ELV Directive

Appendix 3. Controlled Values for Prohibited Substances

- Deleted the 'List of sample prohibited substances'. (Refer to Page 8.)

- Newly set. (Refer to Page 3.)

- Deleted the footnote \*6.

## Revised Contents of the Level 1 Prohibited Substances (PS) (1/4)

- **Added EU ELV (End-of-Life Vehicles) Directive to the Legislation outside Japan, international treaties, and items subject to the requirements for the Level 1 PS.**
- **Newly added a list of exempted ELV items as Appendix 2.**

### Update of the Level 1 PS

Substance/Group of Substances	Regulated by the Panasonic Group	Main Laws/ Regulations referred to
-Lead and its compounds -Mercury and its compounds -Hexavalent chromium and its compounds	The concentration must be less than 1000ppm (Exemptions are provided.)	<p style="color: red; text-align: center;">Newly added</p> <div style="border: 1px solid red; padding: 2px; display: inline-block;">EU ELV Directive</div>
Cadmium and its compounds	The concentration must be less than 100ppm (Exemptions are provided.)	

\*As Appendix 2, a list of exempted ELV items has been newly added to the "Panasonic Group Chemical Substances Management Rank Guidelines (for Products)".

■ Added contents of EU POPs (Persistent Organic Pollutants) regulation for specific brominated flame retardants (PBB, PBDE), ((EU) No 2019/1021).

Update of the Level 1 PS

Substance/Group of Substances	Regulated by the Panasonic Group	Main Laws/ Regulations referred to
Specific brominated flame retardants (PBB, PBDE)	-Equipment subject to the EU RoHS Directive: the concentration must be less than 1000ppm*7.	-CSCL (Chemical Substances Control Law), -EU RoHS Directive, and -EU REACH Annex XVII
	-Items except equipment subject to the EU RoHS Directive: the concentration must be less than 500ppm*8.	EU POPs Regulation Annex I

Newly added

\*7 The restricted value of 1000ppm indicates concentration of respective substance groups of PBB and PBDE.

\*8 The restricted of value 500ppm indicates concentration of substance group of PBDE.

Newly added

## Revised Contents of the Level 1 PS (3/4)

- Updated the restricted contents of Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances, and the main laws and regulations referred to.

### Update of the Level 1 PS

Substance/ Group of Substances	Regulated by the Panasonic Group	Main Laws/ Regulations referred to
Perfluoro- octanoic acid (PFOA), its salts and PFOA-related substances	<p>Intentional use prohibited and <b>Newly added</b></p> <ul style="list-style-type: none"> <li>- In the case of PFOA (including individual salts), the concentration must be less than 25ppb (0.025ppm)*3.</li> <li>- In the case of combination of one or multiple PFOA-related substances, the concentration must be less than 1000ppb (1ppm) in total of the PFOA, its salts and PFOA-related substances.*3.</li> </ul>	<p><b>Deleted</b></p> <p>EU REACH regulation Annex XVII</p>
	<p>[Exemption] <b>Newly added</b></p> <ul style="list-style-type: none"> <li>- Impurity at concentration less than 1ppm in polytetrafluoroethylene (PTFE) micropowders produced by ionising irradiation of up to 400 kilograys or by thermal degradation.</li> <li>- Use for semiconductor in the photo-lithography process, or use for compound semiconductor in etching process, and semiconductor and compound semiconductor made of the aforementioned processes.</li> </ul> <p><b>Deleted</b></p>	<p><b>Newly added</b></p> <p>EU POPs regulation Annex I</p>

\*3 In the case it is confirmed that the products comply with the 'contents regulated by the Panasonic Group' with their suppliers in the supply chains, analysis to confirm non-use of the subject substances is unnecessary.

## Revised Contents of the Level 1 PS (4/4)

- Noted that regarding spare parts for repair of products, there is a case of prohibiting the use of the substances depending on the regulation except the EU RoHS Directive.

### Update of the Level 1 PS

Added contents	Main Laws/ Regulations referred to
Table 1 <span style="color: red; font-weight: bold;">Newly added</span> Note 3: It is necessary to pay due attention to the prohibited substances containing in products, except those restricted under the EU RoHS Directive, because even spare parts of products for repair are often covered by a regulation that restricts use of the prohibited substances.*2	Regulations except the EU RoHS Directive  <span style="color: red; font-weight: bold;">Newly added</span>

\*2 Under the EU REACH Regulation, EU POPs Regulation, and the like, even spare parts of products for repair whose products were placed on the market before the effective date of an applicable regulation, must not contain the prohibited substances, which is different from the restriction under EU RoHS Directive. On the other hand, under EU RoHS Directive, the spare parts of products for repair whose products were placed on the market before the effective date of the Directive or the expiration date of the exemption, are exempted from the restriction on containing the prohibited substances. However, under the EU RoHS Directive, the spare parts of products for repair whose products are placed on the market after the effective date of the regulation or the expiration date of the exemption, they must not contain the prohibited substances. Therefore, it is necessary to pay due attention to the law or regulation, as the requirements differ depending on the law or regulation.

## Revised Contents of the Level 2 PS

- Upgraded the category of Perfluorohexane-1-sulphonic acid and its salts (PFHxS) to the Level 2B Prohibited Substances (PSs) where the PSs that the Panasonic Group voluntarily restricts their use in products are categorized.

Upgrade of the category to the Level 2 PS from the Level 3 PS

Substance/Group of Substances	Regulated by the Panasonic Group	Main Laws/ Regulations referred to
Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-Details will be set according to regulatory trends hereafter.	POPs Convention



## Deletion of the 'List of sample PSs'

- Deleted the 'Appendix 1. List of sample substances considered as "prohibited substances" (List of sample PSs)' on the previous version.

### Deletion of the 'List of sample PSs'

Subject	Background of the revision	Contents
<p>'Appendix 1. List of sample substances considered as "prohibited substances" on the previous version</p>	<p>-Including the attachment of the 'List of sample PSs' on the guidelines was started with an aim to indicate examples of registered substances on the GP-Web Version 2.</p> <p>-On the GP-Web Version 3, the list is attached as reference, because the registration is only required to the PSs that are managed by chemSHERPA.</p> <p>- The expression of 'sample' were clearly stated on the previous 'List of samples PSs', just indicating them as examples; however, the PSs that are not stated on the list may be misunderstood as if they are not prohibited for their use in products.</p>	<p>Deletion</p>

\*A part of PSs managed by chemSHERPA are stated in the "Explanation of chemSHERPA Declarable Substances" included in chemSHERPA tool.

**1. Points of revisions to the Rank Guidelines**

**2. Requests to suppliers**

## ■ Updates of the Non-use Warranty and of the registered data on the GP-Web.

- Updates of the Non-use-Warranty: Unnecessary

Note that in the case that Panasonic's department in charge has recognized that reacquiring their GP-Web data is necessary, you may be requested to resubmit a Non-Use Warranty for the product according to the Rank Guidelines Ver. 12.1. In such case, please follow the request.

- Components that each Dept. has recognized that reacquiring their GP-Web-data is necessary:

Panasonic will submit an investigation request for the components via GP-Web to relevant suppliers.

Once you receive the notification, please enter and register required information on the GP-Web.

## ■ Level 2 Prohibited Substances

- Please prepare for their substitution.

## ■ Exemption of the prohibited substances under the RoHS regulation

- As for other exempted items for which extending the exemption period was requested, the EU Commission is still under discussion. However, please pay due attention to the trend hereafter, because there is a possibility that its exemption period will be newly set, or the scope of the exemption will be limited.

# Relevant Documents

Download documents available at the following URLs.

Green  
Procurement  
Standards  
Ver.6.4

Rank  
Guidelines  
Ver.12.1

- Regulated value
- List of Exempted Items
- List of the Controlled Values

Japanese

<https://www.panasonic.com/jp/corporate/management/procurement/green.html>

English

<https://www.panasonic.com/global/corporate/management/procurement/green.html>

Chinese

<https://panasonic.cn/about/csr/supply/procurement/>

Product chemical substances  
management system (GP-Web)  
Manuals  
(Members only)

Japanese, English, and Chinese  
<https://www.gpscmmn.panasonic.co.jp/prtl>

Website introducing e-learning for  
Product Chemical Substance  
Management etc.

(chemSHERPA description and instruction documents/  
video)

Japanese, English, and Chinese

[http://www.panasonic.com/jp/corporate/eco/chem\\_info.html](http://www.panasonic.com/jp/corporate/eco/chem_info.html)

JAMP home page

Japanese <https://chemsherpa.net/>  
English <https://chemsherpa.net/english>