

Revisions to the Chemical Substance
Management Rank Guidelines
(for Products) Ver. 12
and Related Requests

Quality & Environment Division
Panasonic Corporation
June 4, 2019

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

- Changed the Hydrofluorocarbon (HFC) PS level higher from Level 2 to Level 1. (Refer to Page 3.)
- Changed the PFOA PS level higher from Level 2 to Level 1. (Refer to Page 3.)
- Added application of the REACH restriction to the four phthalates (DEHP, BBP, DBP and DIBP). (Refer to Page 4.)
- Stated exemptions for the three chlorinated phosphate ester flame retardant (TDCPP, TCEP, and TCPP). (Refer to Page 5.)

- Deleted the four phthalates (DEHP, BBP, DBP and DIBP) used as battery materials. (Refer to Page 6.)

Appendix 1. List of "Prohibited substances" example

Appendix 2. List of Exempted Items

Appendix 3. List of Controlled Values for Prohibited Substances

Revised Contents of the Level 1 Prohibited Substances (PS) (1)

- **Stated Hydrofluorocarbon (HFC) which has been categorized as Level 1 PS from Level 2 PS since Jan. 1, 2019.**
- **Changed the PS level of Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances from Level 2 to Level 1.**

Substances changed from the Level 2 to the Level 1

Substance/Group of Substances	Regulated by the Panasonic Group	Main Laws/ Regulations referred to
Hydrofluorocarbon (HFC)	Ban on intentional use*1 (The regulation scope is limited)	Canadian Environmental Protection Act
Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances	-In the case of PFOA (including its salts), concentration must be less than 25ppb (0.025 ppm) -In the case of combination of one or multiple PFOA-related substances, concentration must be less than 1000 ppb (1ppm) in total.*1)	EU REACH Annex XVII

*1) If compliance with the Regulations by the Panasonic Group is verified by tracing back the supply chain, the analysis for checking non-use of the subject substance is not required.

Revised Contents of the Level 1 Prohibited Substances (2)

- Added application of the REACH restriction to the four phthalates (DEHP, BBP, DBP and DIBP).

Added contents of the restrictions for the substances

Substance/ Group of Substances	Regulated by the Panasonic Group	Main Laws/ Regulations referred to
Four phthalates - Bis(2-ethylhexyl) phthalate (DEHP) - Benzyl butyl phthalate (BBP) - Dibutyl phthalate (DBP) - Diisobutyl phthalate (DIBP)	Concentration of one of the phthalates must be less than 1000 ppm	EU RoHS
	Other than the equipment covered under the EU RoHS. Concentration of the four phthalate must be less than 1000 ppm in total of the four phthalates	EU REACH Annex XVII

On Dec. 18, 2018, REACH regulation Annex XVII (Restriction) were amended.

With the amendments, the exempt items under the RoHS Directive, such as battery materials, packaging materials, toys, large-scale stationary industrial tools, and large-scale fixed installations, have been covered under the REACH restriction, with the effective date of July 7, 2020.

The above contents have been made in the Rank Guidelines to reflect the amendments.

■ Stated exemptions for the three chlorinated phosphate ester flame retardant (TDCPP, TCEP, and TCPP.)

Stated exemptions for the substances

Substance/ Group of Substances	Regulated by the Panasonic Group	Exemptions
<p>Three chlorinated phosphate ester flame retardants</p> <ul style="list-style-type: none"> - Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) - Tris(2-chloroethyl) phosphate (TCEP) - Tris (chloroisopropyl) phosphate (TCPP) 	<p>All applications other than those shown in the Exemptions</p>	<ul style="list-style-type: none"> — Motor vehicles or replacement parts or replacement equipment for motor vehicles; — Commercial or residential building insulation or wiring that otherwise complies with the Construction Codes Supplement, set forth in Title 12 of the District of Columbia Municipal Regulations; — Desktop and laptop computers, audio and video equipment, calculators, wireless telephones, game consoles, handheld devices incorporating a screen that are used to access interactive software and their associated peripherals, and cables, adaptors, and other similar connecting devices; or — Storage media, such as compact discs, for interactive software, such as computer games.

■ Deleted the four phthalates (DEHP, BBP, DBP and DIBP) used as battery materials from the Level 3 PS.

Restriction of the following substances starts as the Level 1 Prohibited Substances.

Substance/ Group of Substances	Regulated by the Panasonic Group	Main Laws/ Regulations referred to
Four phthalates (DEHP, BBP, DBP and DIBP) used as battery materials	Concentration of the four phthalate must be less than 1000 ppm in total of the four phthalates.	EU REACH Annex XVII

On Dec. 18, 2018, REACH regulation Annex XVII (Restriction) was amended. With the amendment, the exempt items under the RoHS Directive, such as battery materials, packaging materials, and toys, have been covered under the REACH with the effective date of July 7, 2020. Therefore, the four phthalates on the Panasonic Group regulation as battery materials have been deleted from the Level 3 , and be regulated as Level 1 Prohibit Substances instead.

1. Points of revisions to the Rank Guidelines

2. Requests to suppliers

- **Please submit the non-use warranty for Ver. 12, according to the revised Level 1 Prohibited Substance (PS).**
- **For submitting the non-use warranty for Ver. 12, check if your product/parts including products/parts supplied by supply-chain partners, includes or got mixed the Level 1 PS groups of substances.**

■ How to submit the Non-use Warranty for Ver. 12

- Fill in necessary information on the latest form of the Non-use Warranty, Level 1 PS, conforming with the Rank Guidelines Ver. 12.
- Put your company seal on the warranty.
- Submit the completed warranty to the Panasonic group Company, relevant company, or Business Division, by the due date set by the individual requester.

[Change points]

1) PS Level 1

- Change of the PS level of the group of substances to higher level: Hydrofluorocarbon (HFC)
- Change of the PS level of the group of substances to higher level: Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances
- Change of the regulated contents: four phthalates (DEHP, BBP, DBP and DIBP)
*As the items previously regarded as exemptions under the RoHS Directive such as battery materials, packaging materials, and toys are now covered under the revised RoHS regulation, take necessary actions for them.

Panasonic's dept. in charge will send to relevant suppliers, an investigation request via the GP-Web after July 4, 2019, i.e. the enforcement date of the Rank Guidelines Ver. 12.

Upon receiving the request, please check the information on the chemical substances included in your product/parts, modify the registered data on the GP-Web if necessary, and register the data to comply with the latest version of chemSHERPA .

Note: From March 18, 2019, the JAMP-AIS and MSDSplus are no longer available. Use chemSHERPA for data registration.

[Other points to note]

1. Check the inclusion status regarding the following groups of substances which are newly added to the Level 1 Prohibited Substances.
 - Hydrofluorocarbon (HFC)
 - Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances
2. Your product and/or parts which includes any of Hydrofluorocarbon (HFC) and/or "Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances", and the inclusion of the substance exceeds the threshold limited value set by the Panasonic group, is regarded as non-compliance products and/or parts with the Rank Guidelines Ver. 12.

For the supplier who has found such product/parts, please immediately inform it to the Panasonic BD/factory who requested this, and replace the product/parts with its substitute which meets the Guidelines Ver. 12.

- Exemptions of the substances which are covered under the EU RoHS

Regarding some exemptions, new exceptions are set as a result of discussions by EU.

Even after the enforcement date of the revisions to the Rank Guidelines Ver. 12, please check if your product/component is applicable to the exemptions, particularly No.6(a), 6(b), 8(b), 15, and 21 on Annex III 's exemptions, as the scope of the exemptions are limited.

Discussions on requests for extension of expiry dates for some exempt items are still ongoing in the EU. For these items, continuously pay attention to the trend hereafter, because a new expiry date may be set, or the scope may become limited.

Relevant Documents

Download documents available at the following URLs.

Green
Procurement
Standards
Ver.6.3

Rank
Guidelines
Ver.12

- Applicable Substances
- 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

http://panasonic.cn/csr/win_win/green_procurement

We are sorry to inform you that documents in Chinese will not be updated until around the end of June, 2019. Please use the documents in Japanese or English, until the documents in Chinese are available.

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

Japanese, English, and Chinese
<https://www.gpscmn.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

JAMP home page

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