



# ENVIRONMENTAL AND QUALITY STANDARDS MANUAL

( Chemical Control Standards Section )

【 CY-EQ-03e 】

Revision date : Nov. 11, 2024

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Approved by	Confirmed by	Charged by
		

FUJICOPIAN CO., LTD.

## Revision history

Revision	Revision Date	Content of revision
Rev.0	Nov.24, 2004	-----
Rev.1	Jun 200, 2005	-----
Rev.2	Aug. 8, 2006	Change in chemical management standard. Integration with green procurement guideline. and so on
Rev.3	Nov. 2, 2007	Amendment based on quality and environmental audit of outside workshop or vendor. Audit report on quality assurance system is added as annex. (Transferred from environmental and quality audit standard)
Rev.4	Apr. 25, 2008	'Post-consumer material', 'Pre-consumer material', and 'Recycled plastic' are added to "Definition of Wording". 'PFOS and its related substances' is added to Prohibition substances. 'PFOA and its salts' and 'Halogen' are added to "Controlled substances in products". 'Inclusion report of controlled substances in products', 'Resin management standard', and 'Part inspection sheet(Part check sheet)' are added to "Supplementary Provisions". 'Resin management system' is added to "Check sheet of environmental management status", and others.
Rev.5	May 20, 2008	'Certificate of recycled resin shipment', 'Flow chart of the delivery of the recycled resin material products', 'Shipping inspection check table(sheet)', are added. 'Part inspection sheet(Part check sheet)' is reviewed.
Rev.6	Apr. 1, 2010	Review of the specified managed substance list. To facilitate the revision control in the future, "ENVIRONMENTAL AND QUALITY STANDARDS MANUAL" is divided into three documents of "General Chapter", " Chapter of Chemical", and "Chapter of the related formats".
Rev.6.1	May 27, 2011	With minor version-up of JAMP MSDSplus ("Rev.3.1a⇒Rev.3.1b"). The Designated Chemicals List was reviewed. Reviewing the control classification of the designated chemicals, "Reported substances" and "Controlled substances" are incorporated into "Controlled Substances". In the Appendix, URLs of "JAMP Controlled Substances Reference List", "JAMP MSDSplus", and "JAMP AIS" are shown for downloading.
Rev.7	Mar 30, 2012	With version-up to Rev.4 of JAMP MSDSplus and JAMP AIS, the designated Chemical S ubstances List was reviewed. Addition of 'Trisubstituted organotin compounds', 'Dib utyltin compounds (DBT)', and 'Dioctyltin compounds (DOT)' to FCL01 list. Change of the title of documentary format, from 'Certificate of No Prohibited Substan ces Contained and Report of Control Substances Contained' to "Certificate of No Pro hibited Substances Contained"
Rev.7.1	Jul. 30, 2012	With version-up 'EU04, EU05, IA01, IA02'to Rev.4 of JAMP MSDSplus and JAMP AIS, of the designated Chemical Substances List 'Table 1' were reviewed. Change of the explanation about 'Form for reply' of '2. Investigation of containing status.'(page 2).
Rev.7.2	Nov. 29, 2013	Review of the handling route of the attached information. (EQMG → EQMO)
Rev.8.0	Oct. 16, 2015	Review of the Specified managed substances list and FCL01 list to correspond to the revised RoHS direct., and others.
Rev.9.0	Nov.28,2018	Review for all from JAMP standard to chemSHERPA one.
Rev.10.0	Jul.18, 2019	Revise only ENVIRONMENTAL AND QUALITY STANDARDS MANUAL (Chemical Control Standards Section ) in Japanese edition.
Rev.11.0	Nov.01,2021	Review of FCL01 list (Delete the "Candelilla wax" ) and Form for reply method.

Revision history

Specified managed substances

Supplementary clause

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Rev.12.0    Nov.11,2024    Review of FCL01 list    Three mineral oils have been added.

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## 1. Specified managed substances

Specified Managed Substances, that Fujicopian's management object, are shown in the table below based on chemSHERPA (Chemical information Sharing Exchange under Reporting Partnership in supply chain), Japanese Industrial Safety & Health Act (ISHA), Poisonous & Deleterious Substances Control law and Fujicopian's original standard.

For details of the substances and the threshold, " chemSHERPA management substances ( <https://www.chemsherpa.net/chemSHERPA/english> )" and "FCL01 Fujicopian's Prohibited Substances" are referred.

【TABLE 1】

Code	Relevant Standard	Our Control Classification (※)	
		Prohibited Substances	Controlled Substances
LR01	Japanese Chemical Substances Control Law (Class I Specified Chemical Substances)	○	
LR02	TSCA Section 6	○	
LR03	ELV Directive	○	
LR04	RoHS Directive	○	
LR05	POPs Annex I		○
LR06	REACH SVHC on the Candidate List		○
LR07	REACH Annex XVII [Except EU03]		○
IC01	GADSL (Global Automotive Declarable Substance List)		○
IC02	IEC62474		○
JP02	Industrial Safety and Health Act (Substances Prohibited of Manufacturing etc.)	○	
JP03	Poisonous and Deleterious Substances Control Law (Specified Poisonous Substances)	○	
FCL01	FCL standards (Prohibited Substances)	○	

※ Our control classification

### (1) Prohibited substances

The substances that are prohibited to be intentionally-contained in the products. Regards the substances that are set the threshold, it is prohibited to contain more than the threshold even though the impure substance is non intentionally-contained.

### (2) Controlled substances

The substances that are reported the containing status to Fujicopian.

## 2. Investigation of containing status

### 2.1 Periodic evaluation

#### (1) Investigation frequency

It should be one time in one or two years. In order to meet the revised laws or the revised direct, the investigation may be required at the shorter than one time in one or two years. (Refer to '2.4 Others'.)

- Investigation object: The designated products by Fujicopian.
- Form for reply: Please report by the following tools/forms.
  1. chemSHERPA-CI or, chemSHERPA-AI
  2. 'Certificate of No Prohibited Substances Contained' form(s)

#### 2.2 New products, 4M movement products

- Scope of investigation: It should be before the delivery of the mass production new products or 4M products.
- Investigation object: The designated products by Fujicopian.
- Form for reply: Please report by the following tools/forms.
  - chemSHERPA-CI or, chemSHERPA-AI
  - 'Certificate of No Prohibited Substances Contained' form(s)

#### 2.3 Investigation based on customer request

Fujicopian request to investigate some substances except mention in a list 'Table 1' based on our customer request. In this case, please investigate and reply.

- Investigation object: The designated products by Fujicopian.
- Reply format : Designated form by Fujicopian.

#### 2.4 Others

When the chemical substance control is issued newly or revised, the investigation is required based on the additional contents and/or the change contents. In this case, please investigate and reply.

## 1. Attached document

- FCL01 Fujicopian's Prohibited Substances (Prohibited Substances)
- Certificate of No Prohibited Substances Contained and Report of Control Substances Contained

## 2. Information sources

- chemSHERPA management substances . . . . . <https://www.chemsherpa.net/english/>

Date entry support tool for chemSHERPA is as bellows:

- chemSHERPA-CI (For chemical info) . . . . . <https://www.chemsherpa.net/english/tool>
- chemSHERPA-AI (For article info) . . . . . <https://www.chemsherpa.net/english/tool>

You can research the prohibited substances of Japanese Industrial Safety and Health Act  
Poisonous and Deleterious Substances Control law as following website.

.....[https://www.nite.go.jp/en/chem/chrip/chrip\\_search/srhInput](https://www.nite.go.jp/en/chem/chrip/chrip_search/srhInput)

## 【 FCL01 Fujicopian's prohibited substances 】

No.	Substance name	Threshold	CAS No.
1	Cadmium/cadmium compounds	Refer to ※1	7440-43-9 and other
2	Lead/lead compounds		7439-92-1 and other
3	Mercury/mercury compounds		7439-97-6 and other
4	Chromium VI compounds		18540-29-9 and other
5	PBBs (Polybrominated Biphenyls)		67774-32-7 and other
6	PBDEs(Polybrominated Diphenylethers) (including Deca-BDE)		1163-19-5 and other
7	DEHP (Bis(2-ethylhexyl)phthalate))		117-81-7
8	DBP (Dibutyl phthalate)		84-74-2
9	BBP (Butyl benzyl phthalate)		85-68-7
10	DIBP (Diisobutyl Phthalate)		84-69-5
11	PCTs (Polychlorinated Terphenyls)	Intentional use prohibited	61788-33-8 and other
12	Asbestos	Intentional use prohibited and less than 1,000ppm	132207-32-0 and other
13	Shortchain Chlorinated Paraffins (C10 - C13)	Intentional use prohibited	85535-84-8
14	Ozone Depleting Substances (Montreal Protocol)	Intentional use prohibited	
15	HCHO (Formaldehyde)	Aerial concentration: less than 0.1 ppm (Only the Wood products and parts)	50-00-0
16	Azocolourants and azodyes which form certain aromatic amines (see *2)	Less than 30ppm	91-59-8 and other
17	tetrachloromethane	Intentional use prohibited	56-23-5
18	1,1,1-trichloroethane	Intentional use prohibited	71-55-6
19	trichloroethylene	Intentional use prohibited	79-01-6
20	tetrachloroethylene	Intentional use prohibited	127-18-4
21	DBBTs	Intentional use prohibited	99688-47-8 76253-60-6 81161-70-8
22	4,4'-Bis(dimethylamino)benzophenone) /Michler's Ketone	Less than 100ppm	90-94-8
23	Dimethyl Fumarate (DMF)	Less than 0.1 ppm	624-49-7
24	TBTO (Tributyl Tin Oxide)	Less than 1000ppm	
25	Radioactive substances	Intentional use prohibited	
26	Trisubstituted organotin compounds	Less than 1000ppm	
27	Dibutyltin compounds (DBT)	Less than 1000ppm	
28	Dioctyltin compounds (DOT)	Less than 1000ppm	
29	Aromatic hydrocarbon mineral oils with 1 to 2 aromatic rings(MOAH)	Less than 1000ppm	
30	Aromatic hydrocarbon mineral oils with 3 to 7 aromatic rings(MOAH)	Less than 1ppm	
31	Saturated hydrocarbon mineral oil with 16 to 35 carbon atoms(MOSH)	Less than 1000ppm	

Notice: Items 29 to 31 specified in FCL01 above apply to ink materials and printing inks for packaging materials. However, products that have already been delivered and that have been approved by our company are not included.

## ※1 Threshold

No.	Substance name	Plastics, Rubber	Ink, Materials of Ink	Metal	Packaging materials	Others
1	Cadmium/cadmium compounds	Less than 20ppm	Less than 20ppm	Less than 75ppm	Less than 80ppm each. Requires to reduce total of heavy metals (lead, cadmium, mercury, and hexavalent chromium) in each homogeneous material constructing the packing materials to less than 80ppm by weight.	Less than 40ppm
2	Lead/lead compounds	Less than 100ppm	Less than 100ppm	Less than 500ppm		Less than 500ppm
3	Mercury/mercury compounds	Less than 100pp	Less than 100pp	Less than 1,000ppm		Less than 1,000ppm
4	Chromium VI compounds	Less than 100pp	Less than 100pp	Less than 100ppm		Less than 100ppm
5	PBB	Less than 100pp	_____	_____	_____	_____
6	PBDE (including Deca-BDE)	Less than 100pp	_____	_____	_____	_____
7	DEHP	} Less than 1,000ppm				
8	DBP					
9	BBP					
10	DIBP					

## Exemption

- (1) The exemptions for applications of RoHS Directive are exclusions.
- (2) Regards the packaging materials, the materials that are used when the products are packed by Fujicopain are the control subjects.



## ※2 Specified amines

No.	Substance name	CAS No.
1	4-Aminoazobenzene	60-09-3
2	o-anisidine	90-04-0
3	2-naphthylamine	91-59-8
4	3,3'-dichlorobenzidine	91-94-1
5	biphenyl-4-ylamine	92-67-1
6	Benzidine	92-87-5
7	o-toluidine	95-53-4
8	4-chloro- o-toluidine	95-69-2
9	2,4-toluenediamine	95-80-7
10	o-aminoazotoluene	97-56-3
11	5-nitro- o-toluidine	99-55-8
12	3,3'-dichloro-4,4'-diaminodiphenylmethane	101-14-4
13	4,4'-methylenedianiline	101-77-9
14	4,4'-diaminodiphenylether	101-80-4
15	p-chloroaniline	106-47-8
16	3,3'-dimethoxybenzidine	119-90-4
17	3,3'-dimethylbenzidine	119-93-7
18	2-methoxy-5-methylaniline	120-71-8
19	2,4,5-trimethylaniline	137-17-7
20	4,4'-thiodianiline	139-65-1
21	4-methoxy-m-phenylenediamine	615-05-4
22	4,4'-methylenedi-o-toluidine	838-88-0