

# ENVIRONMENTAL AND QUALITY STANDARDS MANUAL

( Chemicals Control Standards Section )

【 CY-EQ-03e 】

Revision date : Jun 1, 2017

Effective date : Jun 8, 2017

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 substances 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 Substances Contained and Report of Control Substances Contained' to "Certificate of No Prohibited 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.8.1	Jun 1, 2017	Update the "Issue or revise" of form "Certificate of No Prohibited Substances Contained". and so on

## 1. Specified managed substances

Specified Managed Substances, that Fujicopian's management object, are shown in the table below based on JAMP(Joint Article Management Promotion-consortium) and Fujicopian's original standard.

【TABLE 1】

Code	Relevant Standard	Our Control Classification (※)	
		Prohibited Substances	Controlled Substances
JP01	Japanese Chemical Substances Control Law (Class I Specified Chemical Substances)	○	
JP02	Industrial Safety and Health Act (Substances Prohibited of Manufacturing etc.)	○	
JP03	Poisonous and Deleterious Substances Control Law (Specified Poisonous Substances)	○	
EU01	RoHS Directive	○	
EU02	ELV Directive	○	
EU03	CLP [Annex VI Table3.2 CMR-Cat1,2]		○
EU04	REACH Annex XVII [Except EU03]		○
EU05	REACH SVHC on the Candidate List		○
EU06	POPs Annex I		○
OT01	ESIS PBT [Fulfilled]		○
IA01	GADSL (Global Automotive Declarable Substance List)		○
IA02	JIG		○
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'.)

## (2) Investigation object

The designated products by Fujicopian.

## (3) Form for reply

JAMP MSDSplus or, JAMP AIS is/are reported.

However, it's difficult to report with JAMP form by our request date, 'Certificate of No Prohibited Substances Contained' form(s) is/are reported in advance.

## 2.2 New products, 4M movement products

## (1) Investigation frequency

It should be before the delivery of the mass production new products or 4M products.

## (2) Investigation object

Investigation object: The designated products by Fujicopian.

## (3) Form for reply

JAMP MSDSplus or, JAMP AIS is/are reported.

However, it's difficult to report with JAMP form by our request date, 'Certificate of No Prohibited Substances Contained' form(s) is/are reported in advance.

## 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.

## (1) Investigation frequency

Not regularly

## (2) Investigation object

The designated products by Fujicopian.

## (3) Form for reply

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 supplier

- JAMP management substances ..... <http://www.jamp-info.com/english/list>
- JAMP MSDS plus ..... <http://www.jamp-info.com/english/msds>
- JAMP AIS ..... <http://www.jamp-info.com/english/ais>

## FCL01 Fujicopian's Prohibited Substances (Rev.8)

No.	Substance name	Regulated Value	CAS No.
1	Cadmium/cadmium compounds	see *1	
2	Lead/lead compounds		
3	Mercury/mercury compounds		
4	Chromium VI compounds		
5	PBBs (Polybrominated Biphenyls)		
6	PBDEs (Polybrominated Diphenylethers) (including Deca-BDE)		
7	DEHP		117-81-7
8	DBP		84-74-2
9	BBP		85-68-7
10	DIBP		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 0.1ppm (Only the Wood products and parts)	50-00-0
16	Azocolourants and azodyes which form certain aromatic amines (see	Intentional use prohibited and 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 and other
22	4,4'-Bis(dimethylamino)benzophenone)	Less than 100ppm	90-94-8
23	Dimethyl Fumarate (DMF)	Intentional use prohibited and less than 0.1ppm	624-49-7
24	TBTO (Tributyl Tin Oxide)	Intentional use prohibited and less than 1,000ppm	
25	Radioactive substances	Intentional use prohibited	
26	Trisubstituted organotin compounds	Intentional use prohibited and less than 1,000ppm	
27	Dibutyltin compounds (DBT)	Intentional use prohibited and less than 1,000ppm	
28	Diocetyl tin compounds (DOT)	Intentional use prohibited and less than 1,000ppm	

### \*1 Regulated Value

No.	Substance name	Plastics, Rubber	Ink,	Metal	Packaging Material	Other
1	Cadmium/cadmium compounds	Intentional use prohibited and less than 20ppm	Intentional use prohibited and less than 20ppm	Intentional use prohibited and less than 75ppm	Intentional use prohibited and less than 80ppm. Requires to reduce total of heavy metals (lead, cadmium, mercury, and hexavalent chromium) in each homogeneous material	Intentional use prohibited and less than 40ppm
2	Lead/lead compounds	Intentional use prohibited and less than 100ppm	Intentional use prohibited and less than 100ppm	Intentional use prohibited and less than 500ppm	constructing the packing materials to less than 80ppm by weight.	Intentional use prohibited and less than 500ppm
3	Mercury/mercury compounds	Intentional use prohibited and less than 100ppm	Intentional use prohibited and less than 100ppm	Intentional use prohibited and less than 1,000ppm		Intentional use prohibited and less than 1,000ppm
4	Chromium VI compounds	Intentional use prohibited and less than 100ppm	Intentional use prohibited and less than 100ppm	Intentional use prohibited and less than 100ppm		Intentional use prohibited and less than 100ppm
5	PBBs	Intentional use prohibited and less than 100ppm	-----	-----	-----	-----
6	PBDEs (including Deca-BDE)	Intentional use prohibited and less than 100ppm	-----	-----	-----	-----
7	DEHP	Intentional use prohibited and less than 1,000ppm new products applied from August 31, 2015 current products applied from July 1, 2018				
8	DBP					
9	BBP					
10	DIBP					

### ※ Exemptions

The exemptions for applications of RoHS Directive are exclusions.

ex) Lead as an alloying element in steel containing up to 0,35 % lead by weight, aluminium containing up to 0,4 % lead by weight and as a copper alloy containing up to 4 % lead by weight.

※ Regards the packaging materials, the materials that are used when the products are packed by Fujicopian are the control subjects. The packaging materials and the cushioning materials that are used for delivering to Fujicopian by our suppliers are not control subject.

### \*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

No.	Substance name	CAS No.
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

To: Fujicopian Co., Ltd.

## Certificate of No Prohibited Substances Contained

We, hereby, certify that the following product(s) delivered to Fujicopian Co. Ltd. is(are) not contained 'Prohibited Substances' marked with ☒.

※ The case when the product (parts and materials) intentionally contains it is assumed to be "Inclusion", and the case when it is not intentionally, such as with impurities etc., is assumed to be "Non-inclusion". However, even it is not intentionally, it is assumed "Inclusion" when containing it exceeding the threshold that our company provided.

Object product(s) : \_\_\_\_\_

Code	Relevant Standard	Issued or revised
☒ JP01	Japanese Chemical Substances Control Law (Class I Specified Chemical Substances)	2016/04/01
☒ JP02	Industrial Safety and Health Act (Substances Prohibited of Manufacturing etc.)	2007/09/07
☒ JP03	Poisonous and Deleterious Substances Control Law (Specified Poisonous Substances)	2007/08/15
☒ EU01	RoHS Directive	(EU)2015/863
☒ EU02	ELV Directive	2000/53/EU , 2011/37/EU
☒ FCL01	FCL standards (Prohibited Substances)	Rev.8 (2015/10/16)

**[Note]** If there is any supplementary item, such as the exemptions of application, etc., please fill in this certification. (ex. Recycled resin is exempted. etc)

Date \_\_\_\_\_

Company name \_\_\_\_\_

Commercial company name \_\_\_\_\_  
(In the cases through commercial company) ( )

Responsible person for control of chemicals \_\_\_\_\_

Company seal or Signature  
( Seal of responsible person for control of chemicals/Signature is approvable )