

Miki Pulley Group
Green Procurement Standards

Version 5.1

1. Purpose

Contribute to society by reducing the environmental impact of Miki Pulley products by clarifying the prohibited chemical substances and their management standards for chemical substances contained in raw materials and parts that make up the green products sold by the Miki Pulley Group. The purpose is to do.

2. Scope of Application

This Standard applies to the green products marketed by Miki Pulley Group and to all raw materials, parts, and other articles that compose such green products.

3. Definitions of Terms

3.1 Green products

Green products mean the product that guarantees the nonuse of the chemical substance indicated in "Table 1. Prohibited Chemical Substances"

It is also the products that observed the statute and regulation as the maker whom Miki Pulley Group provides with the products all over the world.

Green products are displayed in the drawings and the parts lists, etc. , "Green product", "RoHS directive conformed products", and "Management G (G is the initial of Green)", etc.

3.2 Prohibited chemical substances

Materials and chemical substances that prohibits using, and are permitted to contain as impurities not exceeding the maximum concentration value.

Specific names of prohibited chemical substances are shown in "Table 1. Prohibited Chemical Substances" .

3.3 Chemical substances

Chemical substances are chemical elements and their compounds.
(e.g., lead (chemical element), lead oxide (compound),
polyvinyl chloride (compound))

3.4 Maximum concentration values

The maximum concentration value permitted to be contained as impurities.

3.5 Certificate of Chemical Substances Nonuse in Products

Document certifying that materials or parts currently supplied by Miki Pulley Group's suppliers as well those to be supplied in the future do not contain the certain hazardous substances.

The recommended form is "Certificate of Chemical Substances Nonuse in Products" (Green Materials Survey Procedure 04-00107 Form-E).

3.6 Homogeneous material

“Homogeneous material” means a material that cannot be mechanically disjointed into different materials. The term “homogeneous” is understood as “of uniform composition throughout”.

4. Material of the scope for Investigation and Management

The specific example of Material of the scope for investigation and management is displayed on "Table 4. Material of the scope for Investigation and Management".

5. Procurement Standards for Chemical Substances

5.1 Procurement Standards for Chemical Substances

- (1) We will prohibit the use of the chemical substances listed in this table "Table 1. Prohibited Chemical Substances".
- (2) The maximum concentration values is indicated in this table "Table 1. Prohibited Chemical Substances".
- (3) The supplier's Certificate of Chemical Substances Nonuse in Products is required in principle.
- (4) The investigation materials and the prohibited materials of each product might be added by the customer requirements, and the Certificate of Chemical Substances Nonuse in Products of the added material might be required.

- (5) The chemical substances applicable to exemption uses on EU RoHS 2 are permitted for use in that application.
- (6) Prohibited Chemical Substances

Table 1. Prohibited Chemical Substances

#	Prohibited Chemical Substances	Maximum concentration value
1	Asbestos	intentionally added
2	Cadmium (Cd)/Cadmium Compounds	0.01wt% in homogeneous materials
3	Hexavalent Chromium Compounds(Cr(VI))	0.1wt% in homogeneous materials
4	Lead (Pb)/Lead Compounds	0.1wt% in homogeneous materials
5	Mercury (Hg)/Mercury Compounds	0.1wt% in homogeneous materials
6	Ozone Depleting Substances (CFSs, HCFCs, HBFCs, Carbon tetrachloride)	intentionally added
7	Polybrominated Biphenyls (PBBs)	0.1wt% in homogeneous materials
8	Polybrominated Diphenyl Ethers (PBDEs)	0.1wt% in homogeneous materials
9	Polychlorinated Biphenyls (PCBs)	intentionally added
10	Polychlorinated terphenyls (PCTs)	0.005wt% in a material
11	Polychloronaphthalenes	intentionally added
12	Short Chain Chlorinated Paraffins (C10-13)	intentionally added, or 0.1wt% in a parts
13	Tri-substituted organostannic compounds (including TBTs/TPTs)	intentionally added, or 0.1wt% of Tin in a parts
14	Tributyl Tin Oxide(TBTO)	0.1wt% of Tin in a parts
15	Dibutyltin compounds (DBT)	0.1wt% of Tin in a parts
16	Diocyltin compounds (DOT) (As a skin contact application)	0.1wt% of Tin in a parts
17	Perfluorooctane sulfates (PFOS) and it's alts	Intentionally added or 0.1wt% in parts
18	Perfluorooctanic acid (PFOA), It's salts & related substances	<25 ppb of PFOA including its salts <1,000 ppb of PFOA-related substances
19	Phenol,2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)	Intentionally added
20	Cobalt dichloride(CoCl ₂)	Intentionally added
21	Hexabromocyclododecane (HBCDD) & it's isomers	Intentionally added or 0.1wt% in parts
22	<ul style="list-style-type: none"> • Bis(2-ethylhexyl) phthalate(DEHP) , • Benzyl butyl phthalate (BBP) • Dibutyl phthalate (DBP) • Diisobutyl phthalate (DIBP) 	0.1wt% in homogeneous materials

5.2 Declarable substances

- (1) Declarable substances are not prohibited substances, but please report the presence or not of content.
- (2) Declarable substance list

Table 2. Declarable substances

#	Chemical substances	Threshold
1	Selected Phthalates (except DEHP, BBP, DBP, DIBP)	Intentionally added or 0.1wt% in parts
2	Brominated flame Retardants (other than PBBs, PBDEs)	0.1wt% in the plastics
3	Polyvinyl chloride & it's mixtures	0.1wt% in the plastics

5.3 Other chemical substances for which information is requested

- (1) The other chemical substances for which information is requested are chemical substances that we are requested to provide information on the presence, content, etc, as necessary according to customers' requests etc.
- (2) For investigation of the other chemical substances for which information is requested, we will use applicable chemical substance investigation form.

Table 3. Other chemical substances for which information is requested

#	Other chemical substances	Remarks
1	EU_REACH regulation SVHC candidate list substances	Investigate the chemical substances on SVHC candidate substances list according to EU_REACH regulations as necessary for customer's request. Should be used the applicable investigation form.
2	Chemical substances on IEC 62474	Investigate the chemical substances in the list of substances to be investigated (IEC 62474) prepared by IEC (International Electro-technical Commission) as required by customers etc. Should be used the applicable investigation form.
3	GADSL substances	Investigate the chemical substances of GADSL (Global Automotive Declarable Substance List) as necessary for customer's request. Should be used the applicable investigation form.

4	chlorinated phosphate flame retardants	Investigate the chlorinated phosphate flame retardants as necessary for customer's request. Should be used the applicable investigation form.
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(Remarks : If you provide the information, please use the latest version of chemical substance list.)

(3) Investigation of the other chemical substances may use "chemSHERPA" operated by JAMP (Joint Article Management Promotion-consortium) instead of the above-mentioned applicable chemical substance investigation form.

6. Chemical substance content investigation

6.1 Chemical substance investigation

We will investigate the content of chemical substances in the investigated materials, purpose of use etc. using "Chemical Substance Investigation Form (04-00107 Form F)" and "Other chemical substances investigation Form".

The chemical substances to be investigated are the "Table 1. Prohibited Chemical Substances" and "Table 2. Declarable substances" above.

We may ask to investigate "Table 3. The other chemical substances for which information is requested" as necessary for our customer's request.

We may also ask you to investigate the usage of chemical substances in the manufacturing process of delivered items.

6.2 Chemical composition analysis investigation

Chemical composition analysis investigation might be required about the prohibited chemical substances.

7. Submission of the Certificate of Chemical Substance Nonuse

About the product supplied to Miki Pulley Group, the supplier needs to investigate the content of the prohibited chemical substances, and in order to certify that there is no use of the prohibited chemical substance, please submit "Certificate of Chemical Substances Nonuse in Products".

For non-use guarantee of prohibited chemical substances, please respond to the products subject to investigate described in "Certificate of non-use of chemical substances on products (04-00107 Form-E)".

8. Compliance of the statutes, regulations and other requirements

Miki Pulley Group conforms to the statutes and regulations, gives priority to the specified customer requirements over this procurement standard and conform their requirements.

The product supplied to Miki Pulley Group also strictly requires conforming to the statutes and regulations.

9. Review and revision

9.1 Review and revision

This standard is regularly reviewed once a year and/or at any time.

9.2 Revised edition management

This standard is revised when changing the standard of management of the chemical substance.

(Additional clause)

1. Revised date

Version 5.1 on 7th Oct. 2019.

2. Entry into force

7th Oct. 2019.

Table 4. Material of the scope for Investigation and Management

	Type		Example
Material of the scope for Investigation and Management	Product component materials & sub-materials	Product component materials (Materials used as part of products)	Raw materials, parts, epoxy resin, solder, flux, rust-inhibiting oils, rust inhibitors, adhesives, diluents, inks, paints, model labels, greases, screw locks, etc.
		Sub-materials always packed together with products (Sub-materials incorporated in parts list)	Packing materials, identifying labels, returnable boxes, plastic bags, paints, operating manuals
	Sub-materials used to transport or product	Sub-materials used to transport or protect products (Sub-materials not incorporated in parts list)	Collective packing materials, packing tapes, cushioning materials, Scotch tape, PP-bands, PP-band clamps, sealing needles
	Sub-materials used for production Activities	Sub-materials likely to adhere directly to products (Sub-materials used in the machining/assembly of products/parts or used in equipment maintenance, and the work environment.)	Cutting oils, cutting liquids, cleaning liquids, rust-inhibiting oils, separating materials, mold-release agents, plating solutions, solvents, oil mist (released into the air), etc.
Out of scope for management	Others	Commodities relatively unlikely to adhere to products (Commodities used in the work environment, equipment, etc., at the time of machining/assembly of products/parts)	Equipment, tools, measuring instruments, cutting tools, chips (blades), carts, parts boxes, storage containers, cotton swabs, brushes, containers, part storage bags

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