# Maruyama Green Procurement Guidelines

Version number: 00

Date of establishment: October 1, 2024

# Maruyama Mfg. Co., Inc.

**Revision History** 

Version	Page	Date of revision	Details of revision
number			
00	All pages		Complete revision
01			
02			
03			
04			
05			

### 1. Introduction

The Maruyama Mfg. Group aims to minimize the burden on the global environment throughout the product life cycle to create a sustainable, recycling-oriented society under our Environmental Policy. In recent years, more companies have been actively working to reduce environmentally hazardous substances, and we have received many requests to reduce the environmental impact. For this reason, the Maruyama Mfg. Group is developing products with low environmental impacts during production activities, use, and disposal. To achieve this, we need to procure materials and parts with low environmental impacts (green procurement). We request that our suppliers cooperate with the Maruyama Mfg. Group's green procurement initiatives.

# 2. What is Green Procurement?

Green procurement refers to the preferential procurement of goods with the smallest possible environmental impact from entities that implement environmentally conscious practices. <u>Chemical</u> <u>substance management</u> is crucial in implementing green procurement.

## 3. About Chemical Substance Management

Products are composed of various parts. Parts are manufactured by processing raw materials, and auxiliary materials are used to combine the parts. For chemical substance management, we need to track environmentally hazardous substances in all items that make up the products (including parts, raw materials, auxiliary materials, packaging materials, etc.). While often overlooked in chemical substance management, adhesives and paints also need to be similarly managed. We request that our suppliers track and report the presence of environmentally hazardous substances in their items, including component parts, raw materials, and auxiliary materials.

#### 4. Scope

This applies to all items procured by the Maruyama Mfg. Group (products, parts, raw materials, auxiliary materials, packaging materials, etc.).

### 5. Requests to Suppliers

We request the following cooperation from our suppliers regarding items delivered to the Maruyama Mfg. Group.

#### 1) Legal Compliance

Please comply with the following relevant laws and regulations.

• JCSCA : Prohibition of Class I Specified Chemical Substances, reporting of Class II Specified Chemical Substances

Please check regulated substances on the "J-CHECK".

- · Class I Specified Chemical Substance :  $\underline{link}$
- · Class II Specified Chemical Substance : link
- PRTR Law : Reporting of Specified Class I Designated Chemical Substances, Class I and II Designated Chemical Substances (\*)

Please check regulated substances on the NITE Chemical Risk Information Platform (link).

\*Some exemptions apply. Please refer to the Ministry of Economy, Trade and Industry website for details (<u>link</u>).

• Industrial Safety and Health Act : Prohibition of substances banned under Article 55 of the Industrial Safety and Health Act

The prohibited substances under Article 55 are as follows:

$\searrow$	Substance name	Threshold	
1	Yellow phosphorus match	-	
2	Benzidine and its salts	1.0 wt% or more	
3	4-Aminobiphenyl and its salts	1.0 wt% or more	
4	Asbestos	0.1 wt% or more	
5	4-Nitrodiphenyl and its salts	1.0 wt% or more	
6	Bis(chloromethyl)ether	1.0 wt% or more	
7	Beta-naphthylamine and its salts	1.0 wt% or more	
	Rubber adhesive containing benzene where the		
8	benzene content exceeds 5% of the solvent (including	-	
	diluents)		

• Europe RoHS Directive : Prohibition of regulated substances above threshold values

*Please refer to Appendix 2 for exemp	otions
---------------------------------------	--------

$\searrow$	Substance name	Abbreviation	CAS No.	Threshold
1	Lead	-	7439-92-1	1,000 ppm
2	Mercury	-	7439-97-6	1,000 ppm
3	Cadmium	-	7440-43-9	100 ppm
4	Hexavalent chromium	-	18540-29-9	1,000 ppm
5	Polybrominated biphenyls	PBB		1,000 ppm
6	Polybrominated diphenyl	PBDE		1,000 ppm
	ethers			
7	Di-2-ethylhexyl phthalate	DEHP	117-81-7	1,000 ppm
8	Butyl benzyl phthalate	BBP	85-68-7	1,000 ppm
9	Dibutyl phthalate	DBP	84-74-2	1,000 ppm
10	Diisobutyl phthalate	DIBP	84-69-5	1,000 ppm

Regulated substances are as follows:

European REACH Regulation : Prohibition of infringement of restriction conditions for restricted substances, prohibition of authorized substances after the expiration date, and reporting of SVHCs present at ≥ 0.1 wt%
\*Please refer to Appendices 3, 4, and 5 for regulated substances.

• U.S. TSCA : Prohibition of regulated substances above threshold values

The regulated substances are as follows:

$\searrow$	Substance name	Abbreviation	CAS No.	Threshold
1	Decabromodiphenyl ether	DecaBDE	1163-19-5	Prohibited
2	Triaryl isopropyl phosphate	PIP (3:1)	68937-41-7	Prohibited
3	2,4,6-tri-tert-butylphenol	2,4,6-TTBP	732-26-3	0.3 wt%
4	Pentachlorobenzenethiol	PCTP	133-49-3	1 wt%.
5	Perchlorobuta-1,3-diene	HCBD	87-68-3	Prohibited

• Other regulations : Will be discussed individually as needed.

#### 2) ISO 14001 Certification

Please work towards establishing an environmental management system compliant with ISO 14001 and obtaining certification.

#### 3) Environmental Impact Assessment

Please consider the following aspects and work to reduce environmental impact:

 Raw materials, parts, and packaging materials
Performance aspects: Toxicity (especially environmentally hazardous substances), resource depletion, recyclability, separability, and use of recycled resources
Structural aspects: Durability, decomposability, assembly potential, compact/lightweight design, crushability, and material uniformity

#### Production Equipment

Energy efficiency, waste reduction, global environmental conservation (prevention of global warming and ozone layer protection), environmental conservation (air, water quality, noise, vibration, waste heat, and odor), and workplace environment improvement

# Usage Performance Improvement of power consumption/fuel efficiency, long-term use, and improved durability

#### Disposal

Separability and collectability of disposed products, safety during processing, and environmental conservation

#### 4) Information Request

For items supplied to the Maruyama Mfg. Group, please identify any environmentally hazardous substances contained within. The information we would like you to provide about the identified substances is listed below. Please provide this information using **Appendix 1** "<u>Chemical Substance</u> <u>Survey Form</u>" and related documents (SDS, mill sheets, other environmental performance information, etc.).

\*The information you provide will only be used internally by our company and will not be disclosed externally.

Information to be provided as follows:

- Names of substances regulated by relevant laws and regulations (English names acceptable)
- CAS numbers
- Content amount and percentage
- Alternative products and their functional information

### 6. References

- JCSCA (METI website) : <u>https://www.meti.go.jp/policy/chemical\_management/english/cscl/index.html</u>
- PRTR Law (METI website) : <u>https://www.meti.go.jp/policy/chemical\_management/english/prtr.html</u>
- Industrial Safety and Health Act : <u>https://www.japaneselawtranslation.go.jp/ja/laws/view/3440</u>
- European RoHS Directive (original text) : <u>https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32011L0065</u>
- European REACH Regulation (original text) : <u>https://eur-lex.europa.eu/legal-content/en/ALL/?uri=CELEX%3A32006R1907</u>