

GREEN PROCUREMENT STANDARDS

(Version 8)

December, 2019

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USHIO INC.

• Introduction

Towards realization of a sustainable society in harmony with the environment, USHIO INC. observes laws and regulations and is tackling environmental preservation and striving for effective use of limited resources.

To this end, the Harima Division version of the Green Procurement Standards was formulated in December 2003. Subsequently, the first edition of the Green Procurement Standards for the entire Company was formulated in December 2006, followed by the several re-editions up to date. These standards are in compliance with laws and regulations in Japan and overseas, and are aimed at managing chemical substances contained in products.

We will promote “Green Procurement” vigorously. However, this will require a comprehensive measure which involves the cooperation of both USHIO and our suppliers. We would like to request our suppliers understanding and cooperation with our Green Procurement Standards.

Reference laws and regulations:

* EU RoHS Directive:

<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32015L0863&rid=1>

* REACH Regulation SVHC: <http://echa.europa.eu/web/guest/candidate-list-table>

* REACH Regulation (AnnexXVII), etc.:

<http://echa.europa.eu/web/guest/regulations/reach/legislation>

1. Purpose

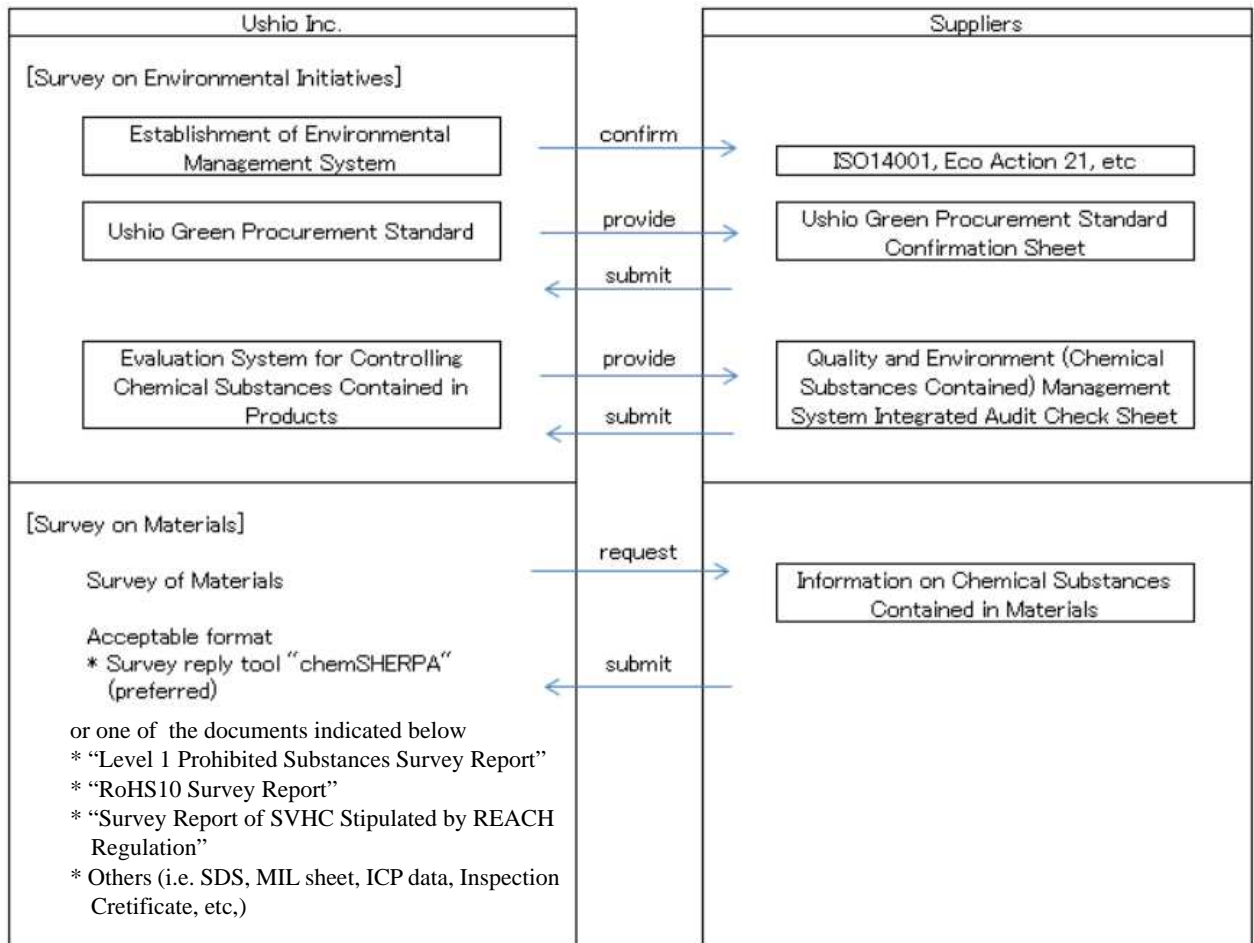
USHIO created the “Green Procurement Standards” as guidelines concerning the purchase of materials by pursuing the maintenance and improvement of environmental preservation activities under its basic environmental policies to fulfill its social responsibility through business activities that correspond to as well as take into consideration the demands of the Earth, society and our customers. USHIO will promote procurement together with suppliers in accordance with these Green Procurement Standards.

2. Scope of Application

- (1) The standards shall apply to materials used for USHIO products such as parts, semi-finished products (assembled parts, unit parts), primary raw materials, packaging materials and auxiliary materials such as operation manuals.
- (2) The standards shall also apply to things having direct contact with product structure materials or any substances used that could possibly remain in materials, such as cleaning agents, during the production process.

3. USHIO’s Approach to Green Procurement

We will operate our green procurement as per the diagram shown below.



4. Practical Application

4-1. Survey on Environment

(1) Establishment of Environmental Management System

USHIO requests suppliers to establish environmental management systems (certification such as ISO14001, Eco Action 21, etc.) based on compliance with laws and regulations.

(2) USHIO Green Procurement Standard Confirmation Sheet

USHIO may request suppliers to submit USHIO Green Procurement Standard Confirmation Sheet (Appendix 5), if you have an old version of the “Basic Transaction Agreement” (does not include Article 37 “Environmental Management”).

(3) USHIO will evaluate suppliers based on such documents as Appendix 1 Quality and Environment (Chemical Substances Contained) Management System Integrated Audit Check Sheet (Appendix 1).

Evaluation Period	Explanations
New Contract	At the time of handing out specifications or submission of manufacturing drawings.
When suppliers change	At the time of changes in corporate structure of suppliers (as per respective business sites).
Others	At the time Ushio judges the supplier's Environmental control system is shy to meet USHIO's standard, such as failure on the compliance.

* USHIO may ask suppliers for their-survey, and/or the site audit if necessary. In case the result is shy to USHIO's standard, USHIO will request the system improvement

4-2. Survey on Materials

Please submit Chemical substances contained in products information based on the primary format such as chemSHERPA as shown below.

▪ chemSHERPA

* chemSHERPA is available at the following URL, which is provided by JAMP.

<https://chemsherpa.net/english/tool>

USHIO may ask suppliers the format other than chemSHERPA depending on our product categories.

- “Level 1 Prohibited Substances Survey Report” (Appendix 2)
- “RoHS10 Survey Report” (Appendix 3)
- “Survey Report of SVHC Stipulated by REACH Regulation”(Appendix 4)
- Others(i.e. SDS, MIL sheet, ICP data, raw material identification certificate)

Evaluation Period	Explanations
New Material	At the time of agreement on specification (or USHIO requests the survey prior to the procurement).
When suppliers change specifications	At the time of specification change at USHIO and/or suppliers.
When standard changes	At the time of standard change, USHIO requests the survey accordingly.

5. **Additional Clause**

- Pertaining to the information you have provided, please specify details regarding your company's know-how and confidential matters.
- The submitted results and other documents will be used internally by USHIO, and information pertaining to respective companies' know-how and confidential matters will not be disclosed externally except upon mutual agreement or request by public authorities to submit such information.
- These standards conform to JAMP guidelines. They will be revised according to amendments to the respective guidelines and changes in the social situation and other circumstances.
- The Green Procurement Standards are subject to change without prior notice. Please refer to USHIO's website for the latest version of the standards.
- In case laws and regulations change or customer requests, USHIO may separately specify a format to fill in and conduct a survey.

Revision History

No.	Date of revision	Details of revisions
Version 1	December 2006	First version formulated
Version 2	March 2010	In response to the changes in laws and regulations, such chemical substances as perfluorooctane sulfonate and benzotriazole were newly added. In addition, SVHCs (substances of very high concern) stipulated by the REACH Regulation were added as substances that require survey. To ensure commonality and convenience, the survey formats created by the Japan Green Procurement Survey Standardization Initiative (JGPSSI) and Joint Article Management Promotion-consortium (JAMP) have been adopted. 6. Survey and Approval of Materials (1) “Non-use Certificate Guarantee of Prohibited Chemical Substances” revised (2) “Chemical Substance Content Survey” changed Supplement 1 Chemical Substance Control Level Classification Table updated from Ver. 4 to Ver. 5
Version 3	April 2012	Integration of an investigation format (Appendix 3 Chemical Substance Survey Form and the JGP format were unified into AIS.) The number indicating versions shown in a format was deleted. (Please check the website for the latest version.) “Chemical Substance Content Survey” changed Supplement 1 Chemical Substance Control Level Classification Table updated from Ver. 5 to Ver. 6.
Version 4	November 2014	9. Evaluation period revised 10. The revision of the Green Procurement Standards as well as the cases where formats are separately specified were added to the Additional Clause.
Version 5	December 2017	Switched to chemSHERPA from AIS. Updated related words accordingly.
Version 6	May 2018	Accepting Non-chemSHERPA format depending on product categories.
Version 7	November 2018	Phthalic Acids added to RoHS Regulations (RoHS 10). Revised survey format accordingly, such as Format 1, Appendix 1 Quality and Environment (Chemical Substances Contained) Management System Integrated Audit Check Sheet.
Version 8	December 2019	<ul style="list-style-type: none"> • Added 4-1(2) “USHIO Green Procurement Standard Confirmation Sheet” submission. • Deleted “Instructions for chemSHERPA”(Supplement 2) • Updated Chemical Substance Control Level Classification Table from Ver. 8 to Ver. 9.

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