



The JUKI Group Green Procurement Activity Guideline (Version 9)

Established: August 4, 2004
Revised: December 20, 2019

JUKI CORPORATION

Foreword:

The JUKI Group continues to carry out activities with unremitting efforts following “ECO MIND Declaration”, enacted in 1998, to practice corporate activities that will conserve the global environment.

JUK CORPORATION is ISO 14001 certified of the environmental management system standard and carrying on activities to develop products that are environmental-friendly. Following this “JUKI Group Green Procurement Activity Guideline” (hereinafter referred to as “Guideline”) specifying the policy and standards of the JUKI Group’s Green Procurement Activity to implement environmental conservation activities working with venders and control hazardous substances properly, we will provide our customers with environment-friendly products and pursue global environment conservation in depth.

In order to move forward with this Green Procurement Activity, this Guideline was prepared to establish standards of hazardous substances to the environment and environmental management system at venders as well as clarify the evaluation criteria that respond to the increase in environmental impact substances spreading to the world.

Contents:

- 1. Environmental Conservation Policy of the JUKI Group2
- 2. Purpose3
- 3. Application3
- 4. Definition of Terms3
- 5. Green Procurement Activity Policy4
- 6. Standards for Green Procurement Activity5
 - 6.1 Establishment, Operation, and Result of Environmental Management System of Venders
 - 6.2 Hazardous Substances Contained in Parts and Raw Materials
- 7. Request for responses to venders7
- 8. Operation7
- 9. Revision history9

Annexes and attached lists

1. Environmental Conservation Policy of the JUKI Group

“ECO MIND Declaration”

Environmental Idea

With the understanding that corporate activities have a great influence upon the global environment, JUKI Group declares that we:

1. Contribute to society and community through corporate activities considering the environment
2. Provide worldwide consumers with products that are safe to the environment
3. Play a role which relays better global environment to the next generation through continuous activities

Guideline for Environmental Activities

1. Prevent global warming by promoting energy-saving in all business activities and use resource efficiently by implementing the 3Rs (Reduce, Reuse, and Recycle).
2. Provide products with less environmental load by planning, researching, developing, procuring, and manufacturing with environmental influences in mind.
3. Contribute to countries and regions by modifying environmental conservation activities to suit local conditions wherever Juki does business as a global company.
4. Observe environmental laws and other agreed requirements, and prevent environmental pollution.
5. Actively disclose environmental information.
6. Raise "awareness of ecological problems" among employees through educational campaigns.

2. Purpose

Provide customers with environment-friendly products by maintaining and improving product compatibility with the environment by working with vendors based on standards for procurement of parts and component materials used on products of the Juki domestic and overseas companies as well as its affiliated group companies (hereinafter referred to as "JUKI Group") and environment conservatory activities at vendors

3. Application

- (1) The following goods used for the products manufactured by the JUKI Group including overseas production and marketed under the JUKI brand:
 - 1) Purchased parts and raw materials for production of machine
 - 2) Subassembly including mechanical units and modules
 - 3) Component materials and ingredients (oil, grease, paint, ink, glue and etc.)
 - 4) Printed materials and packing components for product (such as antirust papers)
 - 5) Finished consignment goods (Those sold under the JUKI brand name)

- (2) The following goods are exempted from the Guideline
 - 1) Stationary, office supplies, OA equipment used in office and factory and related consumables
 - 2) Chemical reagent used for test and analysis
 - 3) Chemicals, instrument, and parts used to operate factory facility and equipment
 - 4) Packing components for transportation and storage of purchased parts, blank and raw materials
(Note, however, that packing components for parts shipped from the JUKI Group are intended for the Guideline.)
 - 5) Supplemental materials and components used during manufacturing but not remained on machine/parts
 - 6) For exemptions from application of the prohibited substances, vendors are requested to see Annex 1: A-2 Exemptions in the RoHS Directive.
(Note, however, that there is no exemption in the China RoHS.)

4. Definition of Terms

1. Product
Machine devices, spare parts for after-sales service, accessories, packing materials, and all printed materials including instruction manuals.
2. Packing material
Goods used to transport and protect finished products, parts, and raw materials. Specifically, carton boxes, tapes, bands, bags, sheets, sticks, reels, trays, wood crates, cushioning materials, labels, ink, paint, and substances related to packing used for fungicide etc. are also included.
3. Inclusion
The prohibited substance is added as an ingredient or it is included as a foreign substance.

5. Green Procurement Activity Policy

- (1) In parts and raw material purchasing activity, the JUKI Group evaluates “Establishment, operation, and result of environmental management system” and “Hazardous substances contained in parts and raw materials” in two aspects: venders’ business activity and performance as a result of its operation.
- (2) It is requested to follow environment conservatory activities required by the JUKI Group referring to “Establishment, operation, and result of environmental management system” and to self-evaluate the result of activities and make continuous improvements accordingly
- (3) Each part and material will be subject to evaluation referring to “Hazardous substances contained in parts and raw materials”.
- (4) Venders are requested to submit information of “Establishment, operation, and result of environmental management system” and “Hazardous substances contained in parts and raw materials” to the JUKI Group.
- (5) The JUKI Group evaluates “Establishment, operation, and result of environmental management system” and “Hazardous substances contained in parts and raw materials” submitted by venders and makes a decision whether or not to continue doing business with the vender.
- (6) The JUKI Group may stop doing business with those venders who do not meet the requirement. In addition, the JUKI Group does not purchase parts and materials that do not meet the requirement.

Evaluation Viewpoint of JUKI Group Green Activity

Business Activity at Venders	Performance
Establishment, operation, and result of environmental management system	<u>Hazardous substances contained in parts and raw materials</u>

6. Standards for Green Procurement Activity

6.1 Establishment, operation, and result of environmental management system of vendors

Vendors are requested to answer the following statements in "Appraisal in Environmental Management "(Annex 2 - Form 1) and submit.

- (1) Environmental management system
 - 1) Whether or not an environmental management system (EMS) certified by the third party such as ISO14001 is established
 - 2) If not certified, all of the following requirements should be met
 - (a) Have corporate philosophy, policy, self-standards, target and a plan to achieve the target
 - (b) Organize a group or committee for environment conservatory and implement its own plan to reduce burden to the environment
 - (c) Comply with environment conservatory regulations
 - (d) Organize internal audit procedures for environment conservatory activities and implement them
 - (e) As environment conservatory activities, procedures for the following subjects are set up for evaluation
 - a. Energy management
 - b. Waste management
 - c. Chemical substance management
 - d. Environmental risk management
 - e. Product assessment
 - f. Education program for environment conservatory
 - g. Emergency response related to environment conservatory
- (2) Environmental conservatory efforts in product environmental assessment
 - 1) Saving natural resources including water, forest, metal and so on
 - 2) Reducing material resources invested
 - 3) Reducing industrial waste and minimizing waste disposal
 - 4) Minimizing energy consumption for manufacturing
 - 5) Minimizing energy consumption for transportation
 - 6) Reducing packing material consumption for saving resources and efficient transportation
 - 7) Reducing power consumption and standby power
 - 8) Considering reusability (Easiness of reuse, longer life)
 - 9) Considering recycling (Identify material, use recycled material, recycle parts)
 - 10) Considering resolvability (separation) and parting

6.2 Hazardous substances contained in parts and raw materials

- The JUKI Group have adopted the guideline established by the Joint Article Management Promotion-consortium (JAMP * Note 1) for management of environmentally hazardous substances.
- Regarding the hazardous substances to the environment provided in Annex 1: “Controlled Substance List,” vendors are requested to check whether any parts or raw materials contain the hazardous substances in the list. If any contain hazardous substances, determine the contained amount and take actions to either abolish the use of the environmental impact substances altogether or reduce or control the amounts used. Then vendors are requested to enter the information on the inclusion of hazardous substances into the chemSHERPA Information Communication Sheet, and submit it to the JUKI Group.

(1) Standards for Hazardous Substance to the Environment

Level	Category	Standards	Submission of the information on the inclusion (○: Required, x: Not required)	Submission of the Certificate of Environmental Limit in Products (○: Required, x: Not required)
A	Prohibited substances	Prohibit the inclusion of those substances for parts or raw materials and certify the environmental limit in products. However, those substances that cannot be substituted will be exempted from this standard.	○	○
B	Declarable substances	Determine the contained amount and application of the substances and declare the information on the inclusion.	○	x

Vendors are requested to notify the JUKI Group of any information vendors have learned regarding any ingredients that contain chemSHERPA controlled substances other than level A or B (also indicate whether the hazardous substances were intentionally added, and whether vendors received the information on the inclusion of hazardous substances from the material makers, etc.)

*1 Vendors are requested to see the following official homepages for details on JAMP (Joint Article Management Promotion-consortium) and chemSHERPA, and the controlled substances under their authorities.

Also vendors are requested to visit the following URLs to download the Information Communication Sheet (in the files of chemSHERPA-AI and chemSHERPA-CI data) and the related instruction manuals/operation manuals. Vendors are requested to use the sheet as instructed.

- What is the JAMP? : <https://chemsherpa.net/jamp/about>

- The chemSHERPA on the JAMP home page address: <https://chemsherpa.net/>
- The chemSHERPA data entry support tool for articles/chemicals and manuals, and information on controlled substances: <https://chemsherpa.net/tool>

7. Request for responses to vendors

(1) Documents to be submitted

- 1) Appraisal in Environmental Management (Annex 2 - Form 1)
- 2) Certificate of Environmental Limit in Products (Annex 2 - Form 2)
- 3) A data file of information on the inclusion of hazardous substances that is created based on the chemSHERPA Information Communication Sheet (file extension XML data format)
- 4) Green Procurement Improvement /Confirmation Form, and Nonconformity and Measure Report (Annex 2 - Form 3)

When the documents are revised after submission, vendors are requested to resubmit the revised documents to the JUKI Group.

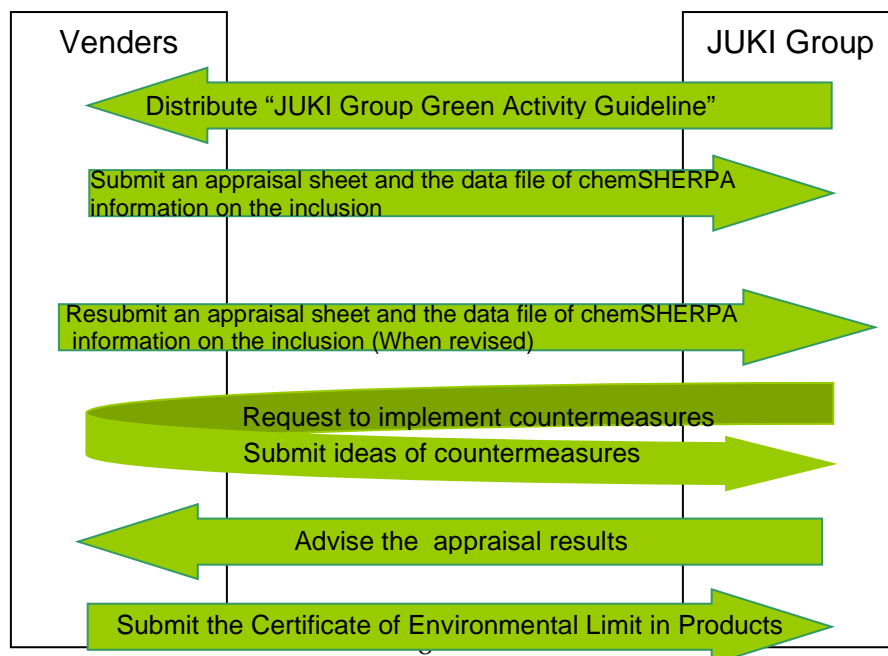
(2) Response

Vendors are requested to enter the relevant information on the inclusion of hazardous substances in parts, raw materials, etc. into the Information Communication Sheet downloaded from the “chemSHERPA by JAMP” homepage, and submit it to the JUKI Group.

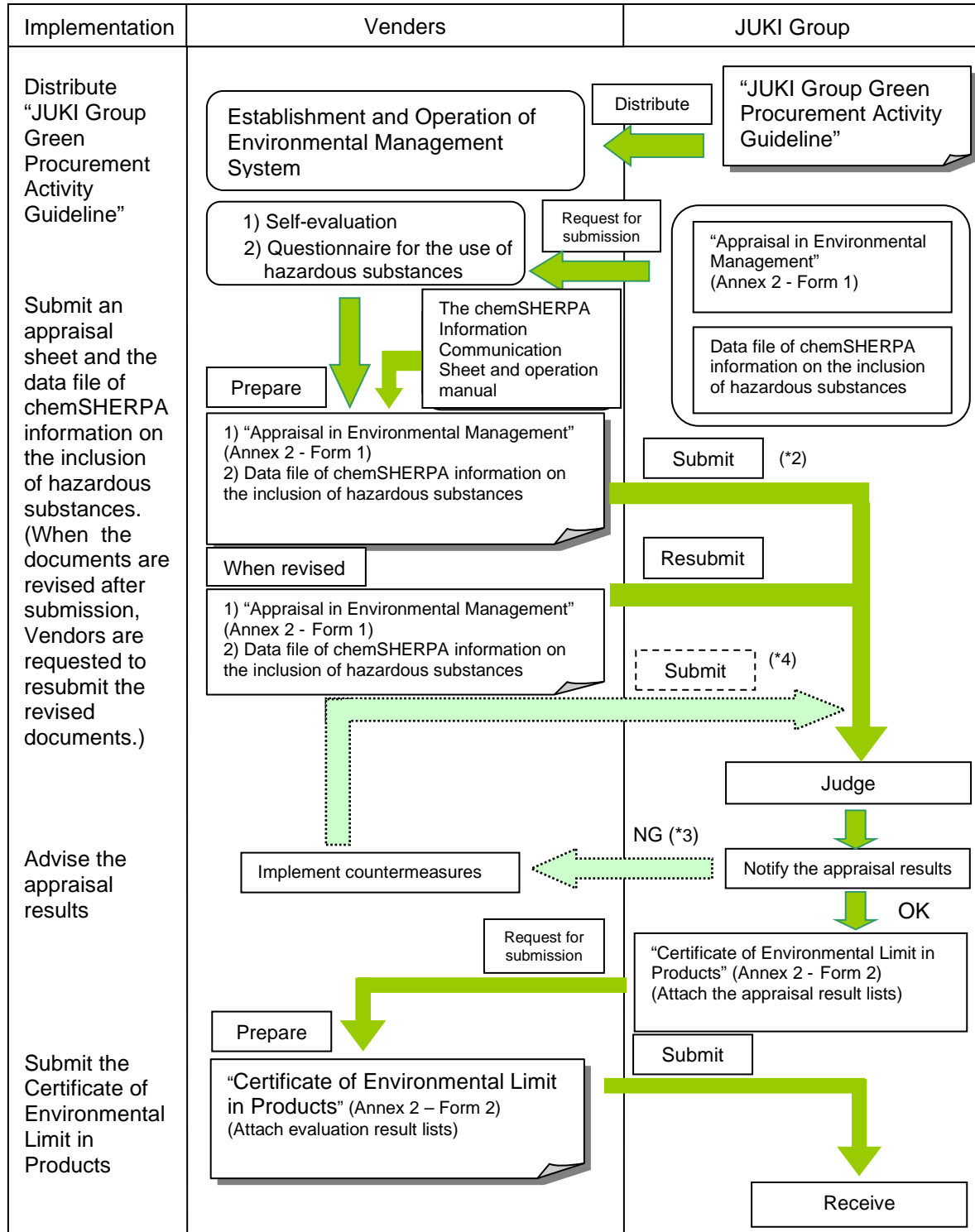
Moreover, vendors are requested to enter the other data into the electronic file that the JUKI Group provides with vendors and send it back to a proper contact of the JUKI Group. If need arises, the JUKI Group may request to implement countermeasures to satisfy the requirement and the JUKI Group will issue the “Green Procurement Improvement /Confirmation Form (Annex 2 - Form 3), and vendors are requested to complete and submit the “Nonconformity and Measure Report” in the low part (Annex 2 - Form 3) to the JUKI Group. As for non inclusion of Prohibited Substances, vendors are requested to submit the “Certificate of Environmental Limit in Products” (Annex 2 - Form 2) to the JUKI Group after passing the evaluation by the JUKI Group.

8. Operation

(1) Diagram of Operation



(2) Flow of detail



*2: Vendors are requested to submit the document to the JUKI Group within 1 month from the date the request was made.

*3: If need arises, the JUKI Group may request vendors to implement countermeasures to satisfy the requirement and the JUKI Group issues the "Green Procurement Improvement /Confirmation Form" (Annex 2 - Form 3).

*4: Vendors are requested to complete and submit the "Nonconformity and Measure Report" (Annex 2 - Form 3) to the JUKI Group in response to the "Green Procurement Improvement /Confirmation Form" (Annex2 - Form 3).

9. Revision history

No.	Revision date	Reason for revision	Where to be revised	Revision contents
1	October 1, 2015	<p>The said Guideline was overhauled along with a change in the adopted guideline.</p> <p>Japan Green Procurement Survey Standardization Initiative (JGPSSI): JIG101 Ed3.0</p> <p>↓(changed to)</p> <p>Joint Article Management Promotion-consortium (JAMP): Ver. 4.040 (Revised on June 24, 2015)</p>	<p>[Main text] "JUKI Group Green Procurement Activity Guideline"</p> <p>[Annex 1] Controlled Substance List [Prohibited Substances] [Exemptions of the use of Prohibited Substances] [Declarable Substances] (Former name: Substances to be Voluntarily Reduced)</p> <p>[Annex 2] Forms to use as a reference "Certificate of Environmental Limit in Products"</p>	<p>[Main Text] The basis of the adopted guideline changes from the Japan Green Procurement Survey Standardization Initiative (JGPSSI): JIG-101 to the Joint Article Management Promotion-consortium (JAMP): JAMP.</p> <p>[Annex 1] The Controlled Substance List was overhauled.</p> <p>Further, the following two lists were abolished. "Detail List of Prohibited Substances" "Detail List of Substances to be Voluntarily Reduced"</p> <p>[Annex 2] Provision of a list for targeting the "Certificate of Environmental Limit in Products" was abolished.</p>
2	October 1, 2016	<ul style="list-style-type: none"> • A list was updated along with a change in the adopted guideline. <p>JAMP ver.4.040</p> <p>↓(was updated to)</p> <p>JAMP ver.4.060</p> <ul style="list-style-type: none"> • Errors in writing were corrected. • The EC NO. was added and so on. 	<p>[Main text] "JUKI Group Green Procurement Activity Guideline" (Ver.8.1)</p> <p>[Annex 1] A-1: "Prohibited Substances" A-2 : "RoHS Annex III and REACH Annex XVII" B:"Declarable Substances"</p>	<ul style="list-style-type: none"> • The edition was updated. <p>"JUKI Group Green Procurement Activity Guideline" (8th Edition)</p> <p>↓(was updated to)</p> <p>"JUKI Group Green Procurement Activity Guideline" (Ver.8.1)</p> <ul style="list-style-type: none"> • The name of Annex was changed. <p>A-2: Exemptions of the use of Prohibited Substances</p> <p>↓(changed to)</p> <p>A-2 : "RoHS Annex III and REACH Annex XVII"</p> <ul style="list-style-type: none"> • Overlapped substances (in the Controlled Substance List) were deleted. • Controlled substances were added. • Errors in writing were corrected. • The EC NO. was added and so on.
3	December 20, 2019	<ul style="list-style-type: none"> • The adopted guideline was updated, the method for communicating information was changed, and the controlled substances were updated. 	<p>[Text] The JUKI Group Green Procurement Guideline Revision 8.1 was updated.</p>	<p>[Text] The Juki Group Green Procurement Activity Guideline (Ver. 8.1)</p> <p>↓ The Juki Group Green Procurement Activity Guideline</p>

				<p>(Ver. 9)</p> <ul style="list-style-type: none"> • The method for communicating information was changed. <p>AIS (articles) and MSDSplus (chemicals) ↓ chemSHERPA-AI (articles) and chemSHERPA-CI (chemicals)</p> <p>This document was rewritten in conjunction with the chemSHERPA data entry support tool for articles/chemicals and manuals as well as the introduction of a link to a URL with information on the manual.</p> <p>[Annexes and attached lists]</p> <ul style="list-style-type: none"> • This document was rewritten in conjunction with a change in the method for communicating information to chemSHERPA. • The laws controlling the prohibited substances and declarable substances as well as the chemSHERPA classification code were written. • The procedure for seeing a link to a URL with information on the applicable laws and standards according to the chemSHERPA classification code was simplified. <p>[Annex 1]</p> <ul style="list-style-type: none"> • A-1 Prohibited substances The following were simplified (in three languages): the method used to change a classification code from the JAMP to chemSHERPA code, the procedure for providing only an RoHS10 substance (LR04) in the prohibited substance list, and the procedure for seeing a link to a URL with information on the applicable laws such as exemptions in the RoHS Directive and REACH regulations. • A-2 Declarable substances The procedure for seeing the chemSHERPA controlled substances reference list was simplified. <p>[Annex 2]</p> <ul style="list-style-type: none"> • Certificate of Environmental Limit in Products of the prohibited substances <p>This document was rewritten in conjunction with a change from JAMP controlled substances to chemSHERPA controlled substances (in three languages).</p>
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Annexes and attached lists

The annexes and attached lists of this Guideline are as follows:

(1) Annex 1: The chemSHERPA Controlled Substance List

For the chemSHERPA controlled substances, vendors are requested to see the chemSHERPA controlled substance reference list in version x.xx.xx (the latest version) issued by the JAMP as well as the latest information on the original text of relevant laws and standards.

A: Prohibited Substances

A-1: Prohibited Substances

<A-1: Prohibited Substances_20191210.pdf> (LR04: RoHS Directive-Only Annex II is provided in the prohibited substance list.)

•Controlled substances: LR04: RoHS Directive-Annex II, LR07: REACH regulations-Annex X VII, LR05: POPs regulations-Annex I, and IC02: IEC62474

A-2: Exemptions in the RoHS Directive

<A-2: RoHS Annex III_20191210.pdf>

•Controlled substances: the RoHS Directive-Annex III

For the latest items of exemptions in the RoHS Directive and its expiration date, vendors are requested to see what the EU authority releases.

B. Declarable Substances

•Controlled substances: LR06: REACH SVHC

For the details of the controlled substances, vendors are requested to see the “chemSHERPA controlled substance reference list in version x.xx.xx” and the “instructions in version x.xx.xx of the “chemSHERPA controlled substances.”

(For version x.xx.xx, vendors are requested to see the latest version.)

(2) Annex 2: Forms for submission

(Form 1) Appraisal in Environmental Management

<(Form 1) Appraisal in Environmental Management.pdf>

(Form 2) Certificate of Environmental Limit in Products

<(Form 2) Certificate of Environmental Limit in Products.pdf>

(Form 3) Green Procurement Improvement / Confirmation Form, and Nonconformity Measure Report

<(Form 3) Green Procurement Form and Report.pdf>

<<A link to a URL with information on the applicable laws and standards>>

- LR01: (Japan) Chemical Substances Control Law-Type 1 specified chemical substances
http://www.meti.go.jp/policy/chemical_management/kasinhou/about/class1specified_index.html
http://www.meti.go.jp/policy/chemical_management/kasinhou/files/ippantou/class1specified_chemicals_list.pdf
- LR02: (the U.S.) Toxic Substances Control Act (TSCA)-Prohibited or limited substances (Article 6)
https://www.ecfr.gov/cgi-bin/text-idx?SID=40f7c34fc55fcc0a3bd3fbdb1b60aede&mc=true&tpl=/ecfrbrowse/Title40/40tab_02.tpl
- LR04: (Europe) RoHS Directive-Annex II
<https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX:32011L0065>
- LR05: (Europe) POPs regulations-Annex I
<https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX:32019R1021>
- LR06: (Europe) REACH regulations-a Candidate List of SVHC for Authorisation (a candidate for authorized substances) and Annex XIV (authorized substances)
<https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX:32006R1907>
- LR07: (Europe) REACH regulations-Annex XVII (for limited substances)
<http://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX:32006R1907>
- IC02: IEC 62474 DB Declarable substance groups and declarable substances
<http://std.iec.ch/iec62474/iec62474.nsf>

JUKI CORPORATION

JUKI Group Green Procurement Activity Guideline

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