RIKEN TECHNOS

RIKEN TECHNOS GROUP

Green Procurement Standard

Sixth version

Date of Enactment: August 1, 2009

Date of Revision: May 25, 2025

1. Objective

The RIKEN TECHNOS GROUP promotes global environmental conservation activities, and as part of this, works on green procurement. This standard document exhibits the basic approach to green procurement and the standard at the RIKEN TECHNOS GROUP. Each affiliated companies of the RIKEN TECHNOS GROUP promotes environmental conservation jointly with suppliers to effectively use resources.

2. Scope of Application

The standard document is applied to the development of environmental management systems and environment-related substance control at our suppliers for procuring raw materials, packaging materials, release paper, paper tubes and other auxiliary materials that make up the products of each affiliated company of the RIKEN TECHNOS GROUP and lubricants and machine oil for maintaining and controlling facilities.

* Raw materials: direct components of products, such as resin, plasticizers, stabilizers, fillers, reinforcers, colorants, film substrates, coating agents, and adhesives
* Environment-related substances: chemical substances contained in our products or used during manufacturing, among which those that have impacts on the global environment in general, are rare in value, or affect health or safety and require due care in disposal**,** and among those, ones that are subject to some form of legislation or regulation**.**

3. Green Procurement Standard Policy

(1) Request for the establishment of an environmental management system

We kindly request our suppliers to establish an environmental management system voluntarily to attain the environmental performance described below.

While recommending establishing an environmental management system that conforms to the international standard ISO14001, we also accept our suppliers' unique systems that are consistent with the standard. Please articulate the items below to practice them.

a. Top management's declaration/policy related to the environment

Top management shall declare proactive action initiatives to manage the environment and communicate the declaration to all employees.

b. Environmental target and plan setting

The targets shall include control of environment-related substances contained in raw materials.

c. Self-evaluation

The level of target achievement shall be evaluated to take improvement measures in the case that a problem occurs.

(2) Request for attaining the environmental performance

The environmental performance is the achievement obtained as a result of managing the environmental management system, showing the level of environmental target achievement. Please include management of environment-related substances contained in raw materials in the environmental targets, which represent characteristics of each of our suppliers' business activities.

(3) Request for reporting

Please report any changes with production processes and raw materials in use as well as anomalies discovered after delivery in the products you supplied (i.e., raw materials for us).

4. Request for Environment-related Substance Investigation and Reporting

4-1 Request for SDS submission

Please submit safety data sheets (SDSs) conforming to JIS Z 7253:2019.

4-2 Request for chemSHERPA submission

Please submit chemSHERPA, the information communication scheme managed by the Joint Article Management Promotion-consortium (JAMP) for proper management of chemicals contained in products and communication of information about them among supply chains.

chemSHERPA by JAMP

4-3 Request for disclosure using the **"Information Sheet of the Chemical Substances"** specified by the RIKEN TECHNOS GROUP and assurance of the content

Please disclose information on chemical substances contained in products using the **"Information Sheet of the Chemical Substances"** specified by us and assure the descriptions. In case that some discrepancy emerges in the descriptions due to changes in the production process, raw materials in use, related laws or regulations, among others, please resubmit it without delay.

(1) Request for assurance and reporting of threshold and measurement values of the RoHS2 ten substances

Please assure the threshold values for the ten substances specified by the EU Directive on the use restrictions of specified hazardous substances in electrical and electronic equipment (Restriction of Hazardous Substances) and listed in Table 1 and report their measurement values. With products to which any of the substances is intentionally added, please report the upper limit value in the product.

(2) Request for assurance of the total volume of the four phthalic acids under the REACH control

Please assure the threshold values for the four types of phthalic acid stipulated by Entry 51 of the REACH Annex XVII, listed in Table 1, whether their use is intentional or unintentional.

Table 1. Threshold values for the RoHS2 ten substances

Regulation	Subject substance	Threshold value
RoHS2 ten substances	Lead and its compounds	1000 ppm
	Cadmium and its compounds	100 ppm
	Mercury and its compounds	1000 ppm
	Hexavalent chromium compounds	1000 ppm
	Polybrominated biphenyls (PBB)	1000 ppm
	Polybrominated diphenyl ethers (PBDE)	1000 ppm
	Bis (2-ethylhexyl) phthalate (DEHP)	1000 ppm
	Butyl benzyl phthalate (BBP)	1000 ppm
	Dibutyl phthalate (DBP)	1000 ppm
	Diisobutyl phthalate (DIBP)	1000 ppm
Aggregated volume of	Aggregated volume of the four phthalic acids	1000 ppm

the four phthalic acids under REACH control	(Four phthalic acids: DEHP + BBP + DBP + DIBP)	

(3) Measurement precautions

- Total chromium measurement would be available for Hexavalent chromium compounds. Nevertheless, please report the hexavalent chromium measurement when the aggregated volume of chromium measured is over 100 ppm.
- Measurement of PBB and PBDE can be changed to the aggregated bromine volume measurement. Nevertheless, please report the PBB and PBDE measurements when the aggregated volume of bromine is over 100 ppm. With brominated compounds such as brominated flame retardants and brominated cleaning agents, please measure PBB and PBDE and report the results.
- Voluntarily-selected analysis methods can be accepted if the lower limit of quantitation described in the table below can be assured by combining preprocessing and measurement equipment.

Substance name	Lower limit of quantitation	Example of analysis devices
Cadmium	5 ppm	ICP, AAS, etc.
Lead	10 ppm	ICP, AAS, etc.
Total chromium	5 ppm	ICP, AAS, etc.
Hexavalent chromium	10 ppm	Diphenylcarbazide spectrophotometry
Mercury	20 ppm	ICP, AAS, etc.
Total bromine	100 ppm	Ion Chromatography (IC)
PBB	20 ppm	GC-MS
PBDE	20 ppm	GC-MS
DEHP	30 ppm	GC-MS
BBP	30 ppm	GC-MS
DBP	30 ppm	GC-MS
DIBP	30 ppm	GC-MS

(4) Chemicals in Product (CiP) reporting

If the product contains any chemical substances that are subject to the laws and regulations listed below, including those present in trace amounts as impurities or byproducts, please report the chemical name, CAS number, content, classification as either an impurity or a byproduct, and the applicable laws and regulations.

1. Chemical substances controlled under domestic laws and regulations (for delivery to Japan)

a. Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture etc.

Class I and Class II Specified Chemical Substances

Monitoring Chemical Substances

Priority Assessment Chemical Substances

b. Law concerning Pollutant Release and Transfer Register

Class I Designated Chemical Substances

Class II Designated Chemical Substances

c. Poisonous and Deleterious Substances Control Act

Poisonous substances, deleterious substances, and specified poisonous substances under the Act

Poisonous substances, deleterious substances, and specified poisonous substances under Cabinet Order

d. Industrial Safety and Health Act

Prohibition and permission of manufacturing and labeling obligation

SDS (notification) obligation and mutagenicity inspection

Please refer to the website of the National Institute of Technology and Evaluation (NITE) described below for chemicals subject to the above-mentioned laws.

- Chemical Risk Information Platform (CHRIP)
  https://www.chem-info.nite.go.jp/en/chem/chrip/chrip_search/systemTop

Please report the content of other substances subject to and not subject to public regulations in products.

(5) Other

We stipulate items concerning the quality specification document separately.

4-4 Substances prohibited by the RIKEN TECHNOS GROUP

(1) Class I and Class II Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture etc.
(2) Monitoring Chemical Substances under the Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture etc.
(3) Poisonous substances under the Poisonous and Deleterious Substances Control Act
(4) Substances prohibited and permitted for manufacturing under the Industrial Safety and Health Act
(5) Specific chemicals under the Act on Prohibition of Chemical Weapons and Control of Specific Chemicals

The RIKEN TECHNOS GROUP prohibits the use of substances subject to the above-listed laws.

5. Explanation

The use of specific hazardous chemical substances has become controlled or banned to prevent environmental pollution by products and waste under the EU ELV Directive and RoHS Directive, the State of California Proposition 65, among others. The substances subject to such control or banning are being updated and increasing year by year, boosting the importance of understanding and communicating CiP information.

Along with the publishment of the RIKEN TECHNOS GROUP “Green Procurement Standard,” our company prepared, and is revising and managing “Information Sheet of the Chemical Substances” for the acquisition of detailed CiP information.

We kindly request each supplier to submit SDSs, chemSHERPAs, and the “Information Sheets of the

Chemical Substances" concerning products to be supplied to us to each relevant RIKEN TECHNOS affiliated company.
While tracking activities of each industry association, we will aim to realize green procurement that can be accepted by all, which striving to enrich its content.

RIKEN TECHNOS GROUP Green Procurement Standard (Sixth version)

Date of Revision: May 25, 2025

Issued by: Integrated Management System Dept., RIKEN TECHNOS CORP.

Please contact the Integrated Management System Dept. for any inquiry about the standard.

2-101, Kanda-Awajicho, Chiyoda-ku, Tokyo, 101-8336, Japan

TEL: +81-(0)3-5297-1634

FAX: +81-(0)3-5297-1660

E-mail: iso@rikentechnos.co.jp