



KOMORI Group
Green Procurement Guidelines
Ver.3.1

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KOMORI CORPORATION

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1. Basic Environmental Policy

The KOMORI Group (hereafter referred to as 'we') has established the following basic environmental policy and continuously promotes activities aimed at conserving the global environment.

We appreciate your understanding and cooperation with the aims of this policy.

Basic Environmental Policy

1. We consistently pursue improvements, such as saving energy and other resources, reusing and recycling, and reducing all waste for corporate activities.
2. We proactively promote the development of environmentally friendly printing presses and peripheral equipment.
3. Furthermore, we practice green procurement, which has lower environmental impact, in purchasing material.
4. We adhere strictly to environmental and related laws and ordinances while reducing emissions of hazardous chemical substances and striving to prevent pollution.
5. We set and regularly review environmental goals and targets in order to continuously reduce environmental loads.
6. We will document, practice, and maintain this policy. We will educate employees about the policy to enhance their awareness of the need to safeguard the environment.
7. We are committed to communicating with local residents, customers, and related companies to proactively aid environmental protection.

2. Green Procurement Guidelines

2-1. Policy on Initiatives

We have established a basic environmental policy and CSR procurement guidelines, aiming to protect the global environment, build a recycling-oriented society and ensure a safe working environment for our workers. As part of these efforts, we promote Green Procurement, which prioritizes the procurement of parts, materials and products with low environmental impact from environmentally conscious suppliers.

As a specific guideline, the Komori Group Green Procurement Guidelines have been established and Komori is working with its suppliers on chemical substance management to comply with domestic and foreign laws and regulations.

2-2. Scope of Application

This shall apply to the following procurement items used in products manufactured, sold or supplied by the company.

- Raw materials
- Components and products
- Packaging materials (that reach the end-user).

Other items than those listed above (e.g. sub-materials, chemical products, etc.) may also be covered where necessary.

2-3. KOMORI Managed Chemical Substances List and Standards

For the procurement items in the above-mentioned scope of application, controlled chemicals are divided into three management categories according to their importance, Standards were set for each.

For specific substances in each management category, see Appendix 1: List of KOMORI Controlled Chemical Substances.

Classification	Description.	Criterion
Prohibited Substances	Chemicals whose inclusion is prohibited by laws and regulations. If included, design modifications or substitution with alternative materials is required.	No intentional inclusion Concentration within threshold values
Restricted Substance	Chemicals whose inclusion is prohibited depending on the application or conditions, or chemicals that are scheduled to be prohibited under future regulations. If included, design modification, substitution with alternative materials, or coordination with our company is required.	No intentional inclusion Concentration within threshold values Or report on the schedule
Managed Substance	Chemicals for which inclusion, non-inclusion, or concentration levels must be identified and managed. Reporting of such information is required.	Reporting of inclusion, non-inclusion, or concentration levels

For substances not listed in the KOMORI Managed Chemical Substances List, compliance with relevant domestic and international chemical regulations is still required.

2-4. Explanation of Terms

This section explains the main terms related to green procurement guidelines.

■Controlled Substances

Among the chemicals regulated domestically and internationally, those that are likely to be contained in our product components and are considered to have a significant environmental impact are listed in Appendix 1: KOMORI Managed Chemical Substances List.

For substances not listed, compliance with relevant domestic and international chemical regulations is still required.

■chemSHERPA.

This is a standardized information-sharing scheme developed and launched in 2015 under the initiative of the Ministry of Economy, Trade and Industry (METI).

Its purpose is to ensure the proper management and the reliable and efficient transmission of information on chemical substances contained in products throughout the entire supply chain—from upstream to downstream companies.

The scheme is currently operated by JAMP (Joint Article Management Promotion-consortium).

For more details and tools, please refer to the following URLs:

<https://chemsherpa.net/>: Official chemSHERPA website

<https://chemsherpa.net/tool/>: Download page for data creation support tools

■Inclusion

The presence of a target substance in delivered parts or materials, regardless of whether it is intentional or not.

Parts include not only base materials but also welding, painting, surface treatments, and other processes.

■Intentional inclusion

The intentional use of a target substance to obtain specific properties, characteristics, or functions, resulting in its presence in delivered parts or materials.

■Non-intentional inclusion

The inclusion of a target substance in delivered parts or materials without intention. This may occur, for example, when the substance is present as an impurity in the raw material, is generated through chemical reactions, or is unintentionally introduced during the manufacturing process.

However, if there is a clear possibility that the substance could be mixed in, it may be regarded as intentional inclusion.

■Concentration of content

The percentage of a target substance contained in a component or material.

- ppm (Parts Per Million): A unit representing one-millionth of the mass.
- wt% (Weight Percentage): The percentage of the substance relative to the total mass.

Example: If 0.1 g of a substance is contained in 100 g of material, the concentration is 1,000 ppm = 0.1 wt%.

■Threshold value

The allowable concentration level of a target substance contained in a homogeneous material that constitutes a part or material.

■Homogeneous material

A material that is uniform in composition and cannot be mechanically separated into different materials.

Examples include metals, resins, plating layers, and coatings.

■Auxiliary materials

Materials used in manufacturing processes or other operations, such as machine oils, cleaning agents, and office supplies.

■CAS No.

A unique identification number assigned to a specific chemical substance.

It is issued by the Chemical Abstracts Service (CAS) in the United States and is used worldwide for chemical substance management and related purposes.

3. Requests to Our Suppliers

3-1. Chemical Substance Management

To comply with this guideline, we kindly request the establishment of a chemical substance management system and proper control of delivered products. Please ensure that the presence and concentration of regulated substances are identified based on scientific and logical grounds, such as the following:

- chemSHERPA data (AI, CI)
- Component analysis data
- Material specifications and SSDS (Specified Substance Data Sheet for steel materials)
- Manufacturer design values and documentation

3-2. Implementation of Chemical Substance Survey

Based on trends in domestic and international regulations, we may request additional chemical substance surveys as necessary.

These surveys may cover not only substances listed in our Managed Substances List but also those included in the chemSHERPA Managed Substance List or substances related to revisions of domestic and international regulations.

When a survey is conducted, we ask for your cooperation in responding appropriately, including conducting investigations with your upstream suppliers as needed for the applicable procured items.

Response Formats

- chemSHERPA-AI Data (for articles)
This is the standard format for domestic suppliers. Please complete both the composition information and compliance assessment sections.
chemSHERPA-CI Data (for chemical substances) may also be used as needed.
- Certificate of Non-use / Certificate of Non-inclusion
Our company will provide the appropriate format depending on the survey request.
- Supplier's Own Format
Your company's original format may also be accepted.
- IMDS (International Material Data System) Output Data
For suppliers in the automotive industry, IMDS data is acceptable.
- Others
Please consult with us as necessary.

3-3. Measures for Non-Compliance with Standards

If the delivered products do not comply with the standards for prohibited or restricted substances specified in Section 2-3 of the KOMORI Managed Chemical Substances, please take the following actions:

- Formulate corrective measures to achieve compliance (e.g., design modifications or substitution with alternative materials)

- Communicate and coordinate with our company (regarding the need for technical verification, scheduling, etc.)

If you have any questions, please contact us through your contact person.

4. Revision History

Version	Date of Revision	Revision Content
Ver. 1.0	16 June 2014.	First edition
Ver. 1.1	13 June 2018.	Update of KOMORI Managed Chemical Substances List
Ver. 2.0	13 December 2019.	Establishment of Control Criteria Update of KOMORI Managed Chemical Substances List
Ver. 3.0	15 January 2025.	Renewal of document Update of KOMORI Managed Chemical Substances List (Integrated into the document)
Ver. 3.1	27 March 2025	Deletion of Former No.45 (Duplicate) Correction of Substance Names for No.4 and No.46

Annex1. KOMORI Managed Chemical Substances List

ver.3.1 revised
ver.3.0 revised

№	Substance/Substance Group Name	Classification			KOMORI Standard	Major related laws and regulations	chemSHERPA classification	Main substances/Groupe	CAS No.
		Prohibited Substances	Restricted Substances	Managed Substances					
1	Polychlorinated biphenyls (PCBs)	○			No intentional inclusion	Japanese Chemical Substance Control Law	LR01 etc.	polychlorobiphenyl (PCB)	
2	Polychlorinated naphthalenes (limited to those with 2 or more chlorine atoms)	○			No intentional inclusion	Japanese Chemical Substance Control Law	LR01 etc.	Polychloro Naphthalene	
3	bis(Tributyltin)oxide	○			No intentional inclusion and concentration 1000ppm or less	Japanese Chemical Substance Control Law	LR01 etc.	TBTO	56-35-9
4	UV-320(2-(2H-1,2,3-benzotriazol-2-yl)-4,6-di-tert-butylphenol)	○			No intentional inclusion	Japanese Chemical Substance Control Law	LR01 etc.		3846-71-7
5	Perfluorooctanesulfonic acid and PFOS salts (PFOS)	○			No intentional inclusion	Japanese Chemical Substance Control Law	LR01 etc.	PFOS	
6	Perfluorooctanoic acid (PFOA) or PFOA salts, PFOA-related substances	○			No intentional inclusion	REACH(Annex17)	LR07 etc.	PFOA	
7	Short-chain chlorinated paraffins (with carbon numbers between 10 and 13)	○			No intentional inclusion	Japanese Chemical Substance Control Law, CSCL, REACH(Annex17)	LR01, LR07etc.		
8	Lead and lead compounds	○			All parts except copper alloys (gunmetal, etc.): No intentional inclusion and concentration 1000ppm or less	RoHS2(2011/65/EU)	LR04 etc.		
			○		Copper alloys(gunmetal, etc.)parts: Concentration 4wt% or less	RoHS2(2011/65/EU)			
		○			Substances contained in packaging materials or packaging components: The total concentration level of lead, cadmium, mercury, and hexavalent chromium is 100 ppm or less	EU Directive on Packaging and Packaging Waste(94/62/EC)			
9	Mercury and Mercury compounds	○			No intentional inclusion and concentration 1000ppm or less	RoHS2(2011/65/EU)	LR04 etc.		
10	Cadmium and Cadmium compounds	○			No intentional inclusion and concentration 1000ppm or less	RoHS2(2011/65/EU)	LR04 etc.		
11	Hexavalent Chromium Compounds	○			No intentional inclusion and concentration 1000ppm or less	RoHS2(2011/65/EU)	LR04 etc.		
12	Polybrominated biphenyls (PBBs)	○			No intentional inclusion and concentration 1000ppm or less	RoHS2(2011/65/EU)	LR04 etc.	PBB	
13	Polybrominated diphenyl ethers (PBDEs)	○			No intentional inclusion and concentration 1000ppm or less	RoHS2(2011/65/EU)	LR04 etc.	PBDE	
14	Phthalates Bis (2-ethylhexyl) phthalate(DEHP, DOP)	○			Parts subject to the RoHS*1)and Parts specified by Komori*2): No intentional inclusion and concentration 1000ppm or less	RoHS2(2011/65/EU) REACH(Annex17)	LR04 etc.	DEHP	117-81-7
			○		Parts other than those listed above No intentional inclusion (If included, alternatives are recommended)				
15	Phthalates Benzyl butyl phthalate(BBP)	○			Parts subject to the RoHS*1)and Parts specified by Komori*2): No intentional inclusion and concentration 1000ppm or less	RoHS2(2011/65/EU) REACH(Annex17)	LR04 etc.	BBP	85-68-7
			○		Parts other than those listed above No intentional inclusion (If included, alternatives are recommended)				
16	Phthalates Dibutyl phthalate(DBP)	○			Parts subject to the RoHS*1)and Parts specified by Komori*2): No intentional inclusion and concentration 1000ppm or less	RoHS2(2011/65/EU) REACH(Annex17)	LR04 etc.	DBP	84-74-2
			○		Parts other than those listed above No intentional inclusion (If included, alternatives are recommended)				
17	Phthalates Diisobutyl phthalate(DIBP)	○			Parts subject to the RoHS*1)and Parts specified by Komori*2): No intentional inclusion and concentration 1000ppm or less	RoHS2(2011/65/EU) REACH(Annex17)	LR04 etc.	DIBP	84-69-5
			○		Parts other than those listed above No intentional inclusion (If included, alternatives are recommended)				
18	Tri-substituted organotin compounds including tributyltins (TBT) and triphenyltins (TPT)	○			No intentional inclusion and concentration 1000ppm or less (Metal equivalent)	REACH(Annex17)	LR07 etc.	TBT, TPT	
19	Asbestos	○			No intentional inclusion	Industrial Safety and Health Law(Japan) TSCA IEC62474	- LR02 etc. IC2 etc.	Asbestos	
20	Ozone depleting substances: CFCs, halons, carbon tetrachloride, 1.1.1-trichloroethane, HBFCs, methyl bromide	○			No intentional inclusion	Montreal Protocol IEC62474	— IC2 etc.	Specified freon(CFC etc.)	
21	Azo dyes and pigments that form certain amines	○			No intentional inclusion	REACH(Annex17)	LR07 etc.	Aromatic amine compounds	
22	Hexabromocyclododecane (HBCD)	○			No intentional inclusion	REACH(SVHC)	LR06 etc.	Cyclododecane bromide (many structural isomers)	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8
23	Dibutyltin Compounds	○			No intentional inclusion and concentration 1000ppm or less (Metal equivalent)	REACH(Annex17)	LR07 etc.		
24	Diocetyl tin Compounds	○			No intentional inclusion and concentration 1000ppm or less (Metal equivalent)	REACH(Annex17)	LR07 etc.		
25	Dimethyl fumarate	○			No intentional inclusion and concentration 0.1ppm or less	REACH(Annex17)	LR07 etc.		624-49-7

№	Substance/Substance Group Name	Classification			KOMORI Standard	Major related laws and regulations	chemSHERPA classification	Main substances/Groupe	CAS No.
		Prohibited Substances	Restricted Substances	Management Substances					
26	Phthalates(13 designated substance) ①Diisononyl phthalate(DINP) ②Diisodecyl phthalate(DIDP) ③Di-n-octyl Phthalate(DnOP) ④Dihexyl Phthalate(DHP) ⑤Di-n-pentyl phthalate(DPP) ⑥Dicyclohexyl Phthalate(DCHP) ⑦C7-Rich di-C6-8-branched alkyl phthalates ⑧Dialkyl(C7-branched and linear) phthalate ⑨Bis(2-methoxyethyl) Phthalate ⑩diisopentyl phthalate(DIPP) ⑪Isopentyl Pentyl Phthalate ⑫Dihexyl phthalate(branched and linear) ⑬1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters		○		No intentional inclusion	②、③REACH (Annex14、Annex17), Prop65, Japanese Food Sanitation Law, etc	②、③ LR07 etc.		①68515-48-0、 28553-12-0 ②68515-49-1、 26761-40-0 ③117-84-0 ④84-75-3 ⑤131-18-0 ⑥84-61-7 ⑦71888-89-6 ⑧68515-42-4 ⑨117-82-8 ⑩605-50-5 ⑪776297-69-9 ⑫68515-50-4 ⑬68515-51-5
27	PAH(Polycyclic Aromatic Hydrocarbons)		○		No intentional inclusion	GS mark certification REACH(SVHC)	LR06 etc.	Anthracene etc.	120-12-7 etc.
28	Brominated flame retardants (excluding PBBs, PBDEs and HBCD)		○		No intentional inclusion	IEC62474	IC02 etc.	All brominated flame retardants	
29	Phthalates (other than those listed above)			○	—	—	—		
30	Nickel and Nickel compounds		○		Products that come into contact with the skin for long periods of time	IEC62474	IC02 etc.		
31	Arsenic and Arsenic compounds			○	—	IARC Group 1	—		
32	Polychlorinated Terphenyls(PCT)	○			No intentional inclusion and concentration 50ppm or less	REACH Annex17	—		61788-33-8
33	Beryllium and Beryllium compounds			○	—	IEC62474 IARC Group 1	IC02 etc. —		
34	Antimony and Antimony compounds			○	—	—	—		
35	Bismuth and Bismuth compounds			○	—	—	—		
36	Selenium and Selenium compounds			○	—	—	—		
37	Bisphenol A (4,4'-(Propane-2,2-diyl)diphenol)		○		No intentional inclusion	REACH (SVHC、Annex17)	LR06 etc.		
38	Perfluorohexane sulfonic acid (PFHxS) or PFHxS salts, PFHxS related substances	○			No intentional inclusion	POPs	LR05 etc.		355-46-4 (PFH x S)
39	C9-C21 Long-chain perfluorocarboxylic acids (LC-PFCA) and their salts, and C9-C21 LC-PFCA related substances		○		No intentional inclusion If included, alternatives are immediate recommended	POPs	LR05 etc.	Perfluorononanoic acid (PFNA)	375-95-1 (PFNA)
40	Other PFAS and related substances			○	Identifying whether a product contains PFAS	POPs	LR05 etc.		—
41	PIP(3:1)	○			No intentional inclusion	TSCA	LR02		68937-41-7
42	Dechlorane Plus (1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo(12.2.1.16,9.02,13.05,10)octadeca-7,15-diene)	○			No intentional inclusion	POPs、 Japanese Chemical Substance Control Law	LR05 etc.		13560-89-9
43	UV-328(2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol)	○			No intentional inclusion	POPs、 Japanese Chemical Substance Control Law	LR05 etc.		25973-55-1
44	MCCP:Medium chain chlorinated paraffin, Chlorinated paraffins with carbon chain lengths in the range C14–17 and chlorination levels at or exceeding 45 per cent chlorine by weight		○		No intentional inclusion If included, alternatives are immediate recommended	POPs	LR05 etc.		85535-85-9 (Regardless of chlorination rate or number of chlorines)
45	UV-327(2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol)		○		If included, alternatives are recommended	REACH (SVHC、Annex17)	LR06 etc.		3864-99-1
46	UV-350(2-(2H-benzotriazol-2-yl)-6-sec-butyl-4-tert-butylphenol)		○		If included, alternatives are recommended	REACH (SVHC、Annex17)	LR06 etc.		36437-37-3
47	Tetrabromodiphenyl ether	○			No intentional inclusion	POPs、 Japanese Chemical Substance Control Law	LR05 etc.		40088-47-9
48	Pentabromodiphenyl ether	○			No intentional inclusion	POPs、 Japanese Chemical Substance Control Law	LR05 etc.		32534-81-9
49	Hexabromodiphenyl ether	○			No intentional inclusion	POPs、 Japanese Chemical Substance Control Law	LR05 etc.		68631-49
50	Heptabromodiphenyl ether	○			No intentional inclusion	POPs、 Japanese Chemical Substance Control Law	LR05 etc.		446255-22-7
51	Substances listed in REACH ANNEX 14 that are not listed above	○			No intentional inclusion	REACH(Annex14)	LR06		
52	Substances listed in REACH ANNEX 17 that are not listed above		○		In principle, inclusion is prohibited. However, use in applications where there are no restrictions is permitted.	REACH(Annex17)	LR07		
53	SVHC：REACH Candidate List of SVHC for Authorisationに収載された物質(上記と重複するものは上記を優先する)*3)			○		REACH			

*1)Parts subject to the RoHS：Electrical and electronic components that are subject to the RoHS Directive

*2)KOMORI designated parts：Parts that may transfer the target substance to printed matter.
In other words, these are parts that come into contact with paper, ink, or water and that may transfer the substance to printed matter.
Examples: Rubber rollers (inker, water supply), feeder suction rubber, suction belt transport rubber, etc.
and parts for which KOMORI has requested investigation in a particular application.

*3)SVHC
The Candidate list, which lists SVHC (Substances of Very High Concern), is updated regularly (substances are added, removed, etc.).
The latest information is posted on the European Chemicals Agency (ECHA) website (see URL below) .Please check if necessary.
<https://echa.europa.eu/candidate-list-table>
The list has also been updated in the chemSHERPA Managed Substances Reference List (see URL below).
<https://chemsherpa.net/tool>