

# NAMICS Green Procurement Standards Document

16th Edition

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## Introduction

NAMICS engages in various activities under the following corporate philosophy: To achieve universal satisfaction and a prosperous natural environment through creativity and innovation.

One such activity is to develop sustainable societies. NAMICS recognizes the importance of continuing to create products designed with environmental aspects in mind—so-called eco-friendly products—in keeping with various social trends, including domestic and international environmental laws and regulations. Creating eco-friendly products is an increasing customer demand and a societal obligation.

To meet this demand, NAMICS must ensure that the raw materials, indirect materials, and other materials purchased by NAMICS help reduce environmental impact. The understanding and cooperation of its business partners are essential to this effort. In 2005, NAMICS established its Green Procurement Standards Document, which specifies the activities earnestly pursued with its partners to date. The Green Procurement Standards Document is now in its 16th edition. NAMICS asks its business partners for their continued understanding and cooperation with these efforts.

## Contents

1. NAMICS Environmental Policy
2. Positioning of the NAMICS Green Procurement Standards Document
  - 2.1 Objectives
  - 2.2 Basic policy
  - 2.3 Scope
  - 2.4 Confidentiality
  - 2.5 Revisions
3. Definition of Terms
  - 3.1 Raw materials, indirect materials, and other materials
  - 3.2 Environmentally hazardous chemical substances and related matters
  - 3.3 Regulated substances, reduced substances and managed substances
  - 3.4 Threshold limits, inclusion, and related topics
4. Criteria for managing environmentally hazardous chemical substances
5. Requirements for environmentally hazardous chemical substances
  - 5.1 Guarantee of **Compliance**
  - 5.2 Content of regulated substances, reduced substances or managed substances and corrective action plan for abolition
  - 5.3 Request for collaboration in data measurements and environmental audits
  - 5.4 Prior approval of changes
  - 5.5 Management by NAMICS business partners
6. Requirements regarding establishment of a management system for environmentally hazardous chemical substances at NAMICS business partners
  - 6.1 Environmental preservation efforts
  - 6.2 Product management at NAMICS business partners
7. Surveys
  - 7.1 Objectives
  - 7.2 Scope
  - 7.3 Method
  - 7.4 Documents to be submitted
  - 7.5 Submission time
8. Measures in response to survey results
9. Attached documents
  - 9.1 List of attached documents
  - 9.2 Distribution of latest edition
10. Inquiries

## 1. NAMICS Environmental Policy

### Environmental Policy

Surrounded by plentiful agricultural fields, NAMICS CORPORATION is located in the eastern part of Niigata-city which has beautiful lagoons and rivers flowing into the Sea of Japan. Since being founded over 60 years ago, it has been preserving the abundant surrounding nature. Moreover, having the keyword S.E.E.D.S. (Semiconductor, Environment, Energy, Device and System), it has concentrated on the research and development of insulating and conductive materials for electronic components, and contributed to upgrading our lives and cultures with its great variety of products. Setting the following Environmental Policies as the basis of its activities, NAMICS aims at the realization of coexistence and mutual prosperity of various relations, like the relationship between society and nature.

1. NAMICS sets the Environmental Management as one of its most important projects, and takes its expanding social responsibilities through continuous improvements of its Environmental Management System to improve the environmental performance.
2. NAMICS familiarizes all employees with its Environmental Policies and encourages them to be conscious of environmental problems and to contribute to society.
3. NAMICS observes the regulations on Environmental Management. It also strives for the international cooperation based on the guidelines of related organizations, associations or those with which NAMICS has common principles, uses sustainable resource use, mitigate and adapt climate change, and protect biodiversity and ecosystem. Furthermore it aims at the prevention of pollution and disasters, and safe operation.
4. Regarding the following environmental conservation activities as the focus, NAMICS performs these environmental programs.
  - 4.1 Energy conservation
  - 4.2 Promotion of 3Rs, Reduce, Reuse, and Recycle
5. In order to reduce the environmental impact from NAMICS' products, the following is carried out.
  - 5.1 R&D, and design of products where environmental impact can be limited to as little as possible
  - 5.2 Reduction of environmental controlled chemical substances in products and the replacement of them with alternatives
  - 5.3 To minimize amounts of packing materials
  - 5.4 To strive to use environmentally-friendly materials
6. NAMICS sets medium-term environmental objectives matching with Environmental policy based on the evaluation results on the impact which NAMICS may have caused. It also plans environmental targets for each fiscal year, makes concrete action programs based on them and performs them.

NAMICS CORPORATION  
Toshinobu Odajima, President

## 2. Positioning of the NAMICS Green Procurement Standards Document

### 2.1 Objectives

To provide our customers with products that have low environmental impact, NAMICS has established the NAMICS Green Procurement Standards Document, a document that defines key issues in its relationships with business partners in the realm of materials procurement. In this way, NAMICS seeks to achieve green procurement.

### 2.2 Basic policy

NAMICS pursues partnerships with business partners with whom it can share environmental preservation activities through the following efforts:

- (1) Promoting procurement from business partners who prioritize environmental measures.
  
- (2) Promoting the procurement of raw materials and indirect materials with low environmental impact.

### 2.3 Scope

The NAMICS Green Procurement Standards Document applies to raw materials, indirect materials, and other materials used to manufacture the products produced by NAMICS. The NAMICS Green Procurement Standards Document also applies to the parties supplying these materials.

### 2.4 Confidentiality

NAMICS does not disclose documents or data submitted to NAMICS by its business partners to third parties without prior approval. NAMICS abides by all laws, regulations, and other rules regarding the appropriate handling of confidential or personal information concerning or belonging to its business partners.

### 2.5 Revisions

The NAMICS Green Procurement Standards Document is subject to revision in response to changes in various domestic and international laws and regulations, social demands, and technological advances.

## 3. Definition of Terms

### 3.1 Raw materials, indirect materials, and other materials

These terms refer to products and materials produced by NAMICS business partners and procured by NAMICS for the purposes below.

#### (1) Raw materials

Materials used by NAMICS as direct constituents of NAMICS products

(Examples: resins, metal powders, glass flits, pigments, solvents, and additives)

#### (2) Indirect materials

Materials delivered to customers as NAMICS products, excluding (1) raw materials as defined above.

(Examples: packing materials, including containers, bags, corrugated board, buffer materials, tape, labels)

#### (3) Other materials

Materials purchased by NAMICS but not remaining in or contained after production in NAMICS products (finished products).

(Example: cleaning agents used in manufacturing processes)

### 3.2 Environmentally hazardous chemical substances and related matters

#### (1) Environmentally hazardous chemical substances

Substances satisfying all of the following conditions:

- 1) Substances used by NAMICS as raw materials, indirect materials, or other materials in product manufacture
- 2) Substances known to harm the environment or human health whose control is required under laws and regulations or self-imposed standards
- 3) Substances specified in the related specification, "NAMICS Green Procurement Standards Environmentally Hazardous Chemical Substances List" (the latest version).

#### (2) Halogen-free

When things including halogen are incinerated, they often denature to hazardous substances, for instance, to generate dioxin. The movement to provide halogen-free products has been promoted in recent years.

NAMICS has been aiming at the increase of the ratio of halogen-free products and sets the threshold limits as follows in accordance with the IEC61249-2-21.

Cl < 900 ppm, Br < 900 ppm, Cl + Br < 1500 ppm

Though these criteria are not the requirements to our business partners, we require you to provide the latest halogen content information so that NAMICS sustains its operations and businesses.

### 3.3 Regulated substances, reduced substances and managed substances

#### (1) Regulated substances

- 1) Level 1: **Regulated substances whose inclusion in items purchased by NAMICS at or above the threshold limit is not accepted.**
- 2) Level 2: **Regulated substances whose presence in products is permitted only if specific conditions are met, but the inclusion at or above threshold limit is prohibited like those classified as Level 1.**

In the case that technical factors (for example, the absence of alternative materials) require the use of such substances; substances that are not classified as Level 1 regulated substances based on concentration rate, parts to which the substances are used, purpose, and abolition date due to the following matters:

- Laws and regulations
- NAMICS customer requirements
- NAMICS policy

#### (2) Reduced substances

Refers to substances whose potential classification to Level 2 in the future should be considered by following the trends of the social environment and/or laws and regulations though the immediate prohibition nor regulation of their inclusion is not required at this time. The substances whose inclusion in products should be avoided or reduced as much as possible.

#### (3) Managed substances

Refers to substances whose inclusion does not need to be prohibited nor regulated, but that require the knowledge of data on presence and, if present, the concentrations at which they are present. These substances are subject to surveys when used intentionally or if they are known to be contained in materials. (Example: chemSHERPA declarable substances)

### 3.4 Threshold limits, inclusion, and related topics

#### (1) Threshold limits

Threshold limits are the maximum limit of concentration of chemical substances contained in a homogeneous material.

- 1) A “homogeneous material” is a material that cannot be mechanically divided into separate materials.
- 2) “To divide mechanically” means to separate the material by mechanical means; for example, by unscrewing, cutting, crushing, grinding, or polishing.

(2) Contained (Inclusion)

The substance contained in raw materials or indirect materials due to intentional or unintentional addition, filling, mixing, or adhesion.

(3) Known inclusion

Refers to the state in which the inclusion of an Environmentally Hazardous Chemical Substance(s) is informed by a supplier or is confirmed based on some data.

(4) Intentional use

Refers to the intentional use of a chemical substance in a raw material, an indirect material, or when manufacturing other materials in order to realize specific characteristics, appearance, or quality. However, the case shall be excluded where the used substance is not present in a finished product.

(5) Compliance

Refers to the state in which regulated substances are not included, or the included amount is below the threshold limit.

(6) Impurity

An impurity is a substance contained in natural materials and not removable by current methods or techniques via refining processes; or a substance unintentionally formed as a byproduct in synthesizing processes; **or a substance remaining unreacted** and not removable by current methods or techniques.

4. Criteria for managing environmentally hazardous chemical substances

Refer to the related specification, “NAMICS Green Procurement Standards Environmentally Hazardous Chemical Substances List”.

5. Requirements for environmentally hazardous chemical substances

NAMICS requires its business partners to meet the following requirements:

When the vendor is not the manufacturer, NAMICS requires the manufacturer to meet the requirements. In this case, the manufacturer shall be in charge of the procedure required for the vendor in the following.

5.1 Guarantee of **compliance**

**Guarantee the following about Product.**

- 1) **Regulated substances are not included, or the included amount is below the threshold limit.**

5.2 Content of Environmentally Hazardous Chemical Substances and corrective action plan for abolition

- (1) If the following applies, inform NAMICS of the content of the relevant substance and actions currently proposed to remove them:

- 1) **The products contain a regulated substance or a reduced substance.**

- (2) If the following applies, inform NAMICS of the content of the relevant substances:

- 1) The products contain managed substances.

- (3) If the following applies, inform NAMICS of all the contents of the relevant substances in an affected product(s)

- 1) The product(s) contains Cl and Br.

### 5.3 Request for collaboration in data measurements and environmental audits

Regarding the previous sections 5.1 and 5.2, NAMICS may require business partners to submit measurement data. NAMICS may also ask the partner to perform environmental audits.

### 5.4 Prior approval of changes

Submit written documents to NAMICS for approval before changing any of the following :

- (1) Raw materials used (constituents of products supplied by NAMICS business partners)
- (2) Composition
- (3) Manufacturing methods (processes), facilities, locations

### 5.5 Management by NAMICS business partners

Take the following measures as part of measures to comply with the requirements of the previous sections 5.1 to 5.4: (Refer to Section 6 below for more information.)

- (1) Green procurement of raw materials
- (2) Pre-shipment inspection of products as required
- (3) Both (1) and (2) above when changing suppliers

## 6. Requirements regarding establishment of a management system for environmentally hazardous chemical substances at NAMICS business partners

To promote green procurement, NAMICS imposes the following requirements to its business partners.

### 6.1 Environmental preservation efforts by business partners

- (1) NAMICS business partners must have obtained ISO 14001 certification or be in the process of doing so.
- (2) NAMICS business partners must take concrete steps to promote green procurement or have plans to do so.
- (3) If a NAMICS business partner has not received ISO 14001 certification, NAMICS asks that the partner take the following environmental measures that would meet ISO 14001 standards:
  - 1) Corporate philosophy
    - Establish a corporate philosophy on environmental preservation.
    - Establish a policy for environmental preservation and commit to continual improvement and prevention of pollution.
    - In the environmental policy, state a clear commitment to compliance with environmental laws and regulations.
    - Make sure the environmental policy is thoroughly communicated to all employees and available for review by third parties.
  - 2) Organization and plans
    - Set targets and objectives for environmental preservation.
    - Assign specific teams and persons in charge to achieve targets and objectives.
    - Develop action plans to achieve targets and objectives.
  - 3) Measures for environmental aspects
    - Manage and evaluate the following items below and seek to achieve improvements:  
Air pollution, water pollution, noise and vibration, managed substances, and reductions in waste generation  
Energy consumption (e.g., electricity, gas, fuel)
  - 4) Training, education, and provision of information
    - Provide training and education on environmental issues.
    - Provide training and education to personnel engaged in tasks that pose the risk of significant environmental impact.
    - Provide information to the public related to environmental preservation.

5) Rationalized distribution

- Work on reducing, reusing, recycling materials, and optimizing transportation.

6.2 Product management at NAMICS business partners

(1) Managing defective products

On identifying non-conforming products, clarify (identify and isolate) the corresponding lot and clearly separate it from conforming products to prevent accidental release of non-conforming products.

(2) Work management

In manufacturing processes (including secondary processes), always abide by work rules to avoid the production of non-conforming products.

(3) Managing materials and purchases

Set clear criteria when selecting raw materials and composition. Procure raw materials based on these criteria.

(4) Managing environment preservation

Take appropriate action to move toward zero emissions (including the 3Rs) to ensure the most efficient use of resources and to reduce CO2 emissions from energy consumption, thereby helping to prevent global warming.

(5) Traceability

Retain shipping histories as records to allow tracing back to raw material lots. Be prepared to submit these records when requested to do so.

(6) Change management

Before changing raw materials, processes, or locations, assess the potential effects of the change to avoid the occurrence of unforeseen problems. Submit the Change Application Sheet (for supplier) to NAMICS and proceed only after obtaining approval from NAMICS.

7. Surveys

To promote green procurement, NAMICS undertakes surveys at regular and irregular intervals in accordance with the NAMICS Green Procurement Standards Document.

7.1 Objectives

The purpose of the survey is to confirm that the requirements set forth in the sections 5 and 6 are met.

7.2 Scope

The survey addresses products from NAMICS business partners when NAMICS or companies specified by NAMICS procure these products directly or through a third party for use as raw materials, indirect materials, or other materials.

7.3 Method

As part of the survey, NAMICS asks its business partners to respectively submit information on the presence of environmentally hazardous chemical substances in all products (procured from NAMICS business partners) used by NAMICS as raw materials, indirect materials, or other materials.

7.4 Documents to be submitted

(1) Receipt confirmation (Attached Form 1)

Return the receipt confirmation immediately after downloading and confirming the latest editions of the NAMICS Green Procurement Standards Document and Environmentally Hazardous Chemical Substances List of the NAMICS Green Procurement Standards from NAMICS website. (When the vendor is not the manufacturer, the manufacturer shall confirm the latest editions.)



(2) Compliance certificate (Attached Form 2)

Regarding the regulated substances specified in Environmentally Hazardous Chemical Substances List of the NAMICS Green Procurement Standards, if the substance(s) contained in your product complies with the threshold limit(s), **select 'Compliance' under 'Category' of Product List, and submit only p.1 of Compliance Certificate.**

If a regulated substance is contained in your product, **select what applicable under 'Category' of Product List, report your view about the corrective action plan for their complete abolition in the following pages, and submit Compliance Certificate.** (The corrective action plan shall include the counter-measures or alternative substances, etc. If their inclusion has to be continued, report the reason(s).)

If your product does not comply with NAMICS requirements, (2) of 8 of this Standard shall be applied.

(3) Analytical data

As supporting evidence, submit the results of analysis when issuing document (2) Compliance certificate above.

1) In principle, the data must have been acquired within one year preceding the date of issue of document (2).

2) Analytical methods shall follow international standards. (Analysis examples are listed below.)

- Cadmium, lead, mercury: ICP-AES
- Hexavalent chromium: UV-VIS
- PBBs and PBDEs: GC-MS
- Phthalates: GC-MS

Each analytical detection limit shall comply with NAMICS' guarantee-required value.

3) For inorganic materials and metal materials, total bromine measurements by XRF may be used for PBB and PBDE measurements.

4) Data must be obtained by third-party analysis or by in-house analysis meeting requirements equivalent to third-party analysis.

5) The analytical data must provide a full account of pretreatment methods and analysis flowcharts.

- Analysis date
- Analysis pretreatment and Test method
- Test result and detection limit of each analysis item
- Analytical flow chart

6) The substances to be analyzed are as follows:

- All the materials.
- Required items: Six substances of lead, mercury, cadmium, hexavalent chromium, PBBs, PBDEs and Four Phthalates of DEHP, BBP, DBP and DIBP.

(4) Chemical composition table and the global registration statuses (Attached Form 3)

1) The chemical composition table is required to clearly indicate composition.

2) Fill in the table so that the constituents total 100%.

List indirect materials categorized by parts. Make the total 100% per part.

3) Provide the following information on the Environmentally Hazardous Chemical Substances:

- Reference number

For the substance which is specified in the "Environmentally Hazardous Chemical Substances List of the NAMICS Green Procurement Standards", provide the reference number specified in the List.

For the substance which is NOT specified in the Environmentally Hazardous Chemical Substances List, specify "Non-applicable" instead of providing the reference No.

- Scope of report

When it is already known that Environmentally Hazardous Chemical Substances are included regardless of whether it is intentional or unintentional, report all relevant

substances even if the amount is below the threshold limit.

- CAS number  
When the substance specified in “NAMICS Green Procurement Standards Environmentally Hazardous Chemical Substances List” has a CAS number, provide the number.
- The included amount  
When the included amount has a certain range, or it is not clear, provide “the maximum amount estimated based on design”
- Classification of inclusion and its application/purpose  
Provide all reasons for the inclusion of the Environmentally Hazardous Chemical Substances, including whether the inclusion is intentional or unintentional, or whether it is contained as an impurity, etc.
- Information of Halogen inclusion  
Following the requirement of 3.2, provide all the information of Cl and Br intentionally or unintentionally included in an affected product(s). Regarding how to specify their amounts, please refer to ‘The included amount’ above.

4) Provide the global registration statuses in the existing chemical substances lists so that NAMICS can judge whether it is possible to export an affected product.

When the Application/ Purpose of inclusion is “impurity”, its global registration statuses do not have to be considered. It is also unnecessary to provide the registration statuses of indirect materials, since they are not subject to the survey.

When there is a country to which the export of an affected product is impossible because the relevant substance is not registered in their list, inform NAMICS of whether you will cooperate with us when we need to declare the substance to the country in the future.

5) Provide information on the country of origin to verify an affected product under the US Export Administration Regulations (EAR) and **Export Control Law of the People’s Republic of China**.

(5) SDS (Safety Data Sheet)

1) Submit SDS (Safety Data Sheet) in a form that meets the requirements of JIS Z 7253 in principle.

(6) chemSHERPA

chemSHERPA, which is an information transfer scheme developed by Ministry of Economy, Trade and Industry for the chemical substances in products throughout supply chain, is also required if document (2) Compliance certificate above is issued to clarify the details of substances contained in products. List all known substances intentionally or unintentionally contained in products.

1) Check to confirm that you have the latest revision before using chemSHERPA. You can download the latest version at the following link:

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

2) When you create chemSHERPA, pay attention to the following.

- When raw materials and others are subject to the survey, use the chemical data entry support tool (chemSHERPA-CI), and submit the chemSHERPA in both of a shci file and a PDF file converted from an excel sheet
- When indirect materials are subject to the survey, use the molded item data entry support tool (chemSHERPA-AI), and submit it in shai file.

3) Submit chemSHERPA, created using the data entry support tool. The version of the tool shall be the latest at your receiving our requirement.

(7) Questionnaire on the chemical substances management system in place (Attached Form 4)

As specified in section 6, Requirements regarding establishment of management system for environmentally hazardous chemical substances at NAMICS business partners, NAMICS asks its partners to self-monitor the status of their established systems. Based on the results of this self-check, NAMICS may visit manufacturer's sites to perform audits.

### 7.5 Submission time

Submission time	When initiating transactions	At regular survey (Raw materials)	At regular survey (Indirect materials)	As required	Remarks
Document	Form				
Receipt confirmation	Attached Form 1	○	○	○	Must be returned immediately after receiving the document set.
Compliance certificate	Attached Form 2	○	○	○	
Analytical data	No specified form	○	○	○	
Chemical composition table and Global registration status	Attached Form 3	○	○	○※	
SDS	JIS	○	△	△	
chemSHERPA-CI (for raw materials and others) chemSHERPA-AI (for indirect materials)	Common form	○	○	○※	
Questionnaire on the chemical substances management system in place	Attached Form 4	○	△	△	

○: Required. △: Required only when changed.

※ Either of 'Chemical composition table and Global registration status' or 'chemSHERPA' are/is acceptable.

- (1) NAMICS requires new business partners to submit all documents at least once.
- (2) "At regular survey" refers to responses submitted for the annual regular survey. The results of the previous or before the previous survey are not acceptable. Ensure that you conduct the survey at every annual survey, and submit the latest results.
- (3) "As required" refers to the following cases:
  - 1) If the relevant laws and regulations are revised and the revision requires this action
  - 2) If chemSHERPA declarable substances are revised and the revision requires this action
  - 3) If any of the below applies and any change is implemented
    - Previous section 5.4, Prior approval of changes
    - Previous section 5.5, Management by NAMICS business partners
  - 4) If the established system is strengthened/upgraded
  - 5) Other cases in which NAMICS or business partners perceive a need

### 8. Measures in response to survey results

NAMICS will act as follows if it has concerns regarding the previous section 7.4:

- (1) While reviewing the chemical substances management system in place (Attached Form 4), NAMICS will ask its business partners to make improvements if it deems necessary to promote green procurement.
- (2) If the Compliance certificate (Attached Form 2) cannot be issued, NAMICS will require its business partners to provide the document(s) which they can submit. Then NAMICS will make a decision after consulting with the relevant business partner to determine if alternative substances present technical obstacles.

9. Attached documents

9.1 List of attached documents

(1) Green procurement survey form

Attached Form 1 Receipt confirmation

Attached Form 2 Compliance certificate

Attached Form 3 Chemical composition table and Global registration status

Attached Form 4 Questionnaire on the chemical substances management system in place

(2) Related specification

NAMICS Green Procurement Standards Environmentally Hazardous Chemical Substances List

9.2 Distribution of the latest editions

(1) At a regular survey, NAMICS informs you of the revision of NAMICS Green Procurement Standards Document and related Forms listed in 9.1 above. When you receive the information, download the files from NAMICS website

(2) NAMICS provides documents as indicated in (1) above at the occasional survey.

10. Inquiries

Contact us below for detailed information on the NAMICS Green Procurement Standards Document.

Quality Assurance Group

Quality Assurance Division

NAMICS CORPORATION

NAMICS CORPORATION  
Green Procurement Standards Document  
16th Edition  
Published by Quality Assurance Division,  
NAMICS CORPORATION

■ Documents to be submitted

Please confirm the following Remarks for each Form and issue them.  
For more information, please refer to 7.4 "Documents to be submitted"  
in NAMICS Green Procurement Standards.

Form		When initiating transactions	At regular survey (Raw materials)	At regular survey (Indirect materials)	Remarks
NAMICS own form	Form -1 Receipt Confirmation	○	○	○	· Please submit a PDF file of the signed form immediately after receiving a set of NAMICS Green Procurement Standards.
	Form -2 Compliance certificate	○	○	○	· After filling this form, please submit a PDF file of the signed form.
	Form-3 Chemical composition table and Global registration status	○	○	○*	· Please report composition information no matter whether each substance's concentration is within allowable concentration if you have the information. · Please submit the filled <b>Excel file</b> . (Your signature is not needed for this form)
	Form-4 Questionnaire on the chemical substances management system in place	○	△	△	· After filling this form, please submit a PDF file of signed form.
Common form	chemSHERPA-CI (for raw materials and others)	○	○	-	· Please download the latest form from the following web site. <a href="https://chemsherpa.net/chemSHERPA/english/tool/">https://chemsherpa.net/chemSHERPA/english/tool/</a>
	chemSHERPA-AI (for indirect materials)		-	○*	· Please report composition information no matter whether each substance's concentration is lower than 1000 ppm if you have the information.
No specified form	Analytical data	○	○	○	· Please submit the analytical data according to the classification of your supplies;  ■ Raw material / Other material : "Lead, Mercury, Cadmium, Hexavalent chromium, PBB, PBDE" and "DEHP, BBP, DBP, DIBP"  ■ Indirect material : "Lead, Mercury, Cadmium, Hexavalent chromium"
JIS	SDS	○	△	△	· Please use and submit the form complying with JIS Z 7253. · Please prepare SDS which meets the recent domestic laws and regulations. · Please submit SDS in English if possible in addition to in Japanese.

○: Required. △: Required only when changed.

\*: Either of 'Chemical composition table and Global registration status' or 'chemSHERPA' are/is acceptable.

To Quality Assurance Group  
Quality Assurance Division NAMICS CORPORATION

## Receipt Confirmation

We wish to acknowledge our receipt of the following documents:

NAMICS Green Procurement Standards Document 16th Edition

Attached Form 1 Receipt confirmation

Attached Form 2 Compliance certificate

Attached Form 3 Chemical composition table and Global registration status

Attached Form 4 Questionnaire on the chemical substances management system in place

Related specification: NAMICS Green Procurement Standards Environmentally hazardous  
chemical substances list

※ Please fill in the parts in yellow.

Date of receipt		
Company Name(Name of business establishment)		
Department in charge		
Person in charge Title, name, seal	Title	
	Name	Signature
	Tel	
	Fax	
	E-mail	

Ver.16 Attached Form 2  
 To Quality Assurance Group  
 Quality Assurance Division NAMICS CORPORATION

## NAMICS Green Procurement Standards Compliance certificate

**We guarantee that the delivered products satisfy the latest NAMICS Green Procurement Standards with the following Category.**

- **Compliance** : All Level 1 and Level 2 substances in the product meet the threshold limit (the maximum allowable concentration).
- **Conditional compliance** : The product contains all Level 1 substances within the threshold limit, but contains Level 2 substances over the threshold limit.  
We will strive to implement countermeasures as described in "2-Report the details of substance usage".
- **Non compliance** : The product contains Level 1 substances **over the threshold limit**. Or the product contains all Level 1 substances within the threshold limit (the maximum allowable concentration), but contains Level 2 substances over the threshold limit.  
**Furthermore**, for the reasons stated in "2-Report the details of substance usage", it cannot be avoided to use these substances.  
We will maintain the present status.

※ Please fill in the parts in yellow.

● How to fill in Form 2 (1) Fill in product name(s) in Product List.

(2) Check the compliance status to 'NAMICS Green Procurement Standards Environmentally hazardous chemical substances list', fill in 'Category' in Product List.  
 ※When the 'Category' is 'Compliance', no action is needed for the following (3).

(3) Fill in 'Result' of 1-1 and 1-2 respectively in the following pages.  
 When a product contains any regulated substance over the threshold limit (maximum limit of concentration), select "Non compliance" under 'Result'. Then report the detailed information in '2. Report the details of substance usage'.  
 When a product is out of Scope, select "Not applicable" under 'Result'.  
 When more than one product are surveyed and their results include "Non compliance" and "Not applicable", select "Non compliance" under 'Result'.

(4) A person in charge at your company shall sign in the signature space below. Then submit this form to NAMICS.

**※If the compliance status to 'NAMICS Green Procurement Standards Environmentally hazardous chemical substances list' is already checked otherwise, and the Category is 'Compliance', it is not necessary to submit after page 2.**

### Product List

No.	Product name	Category	No.	Product name	Category
1			11		
2			12		
3			13		
4			14		
5			15		
6			16		
7			17		
8			18		
9			19		
10			20		

Comment :

Date of response		
Company Name (Name of business establishment)		
Department in charge		
Person in charge Title, name, seal	Title	
	Name	Signature
	TEL	
	FAX	
	E-mail	

## 1. Ensuring the conformity of environmental hazardous chemical substances.

### 1-1. Regulated substances (Analytical data is required as supporting evidence of "Not contained".)

Reference №	Substances Name	Analyzed target	CAS No.	Regulated Level	Scope	Threshold limits (maximum limit of concentration)	Result	
P1001	Cadmium and its compounds	Raw materials and Other materials	—	Level 1	Parts composed of metals containing zinc (e.g. brass, hot dip galvanizing, etc.)	less than 100 ppm		
					All uses other than the above column	Less than 5ppm		
P1002	Lead and its compounds		—	Level 1	Parts composed of metals containing tin (e.g. solder, etc.)	Equal to or less than 500ppm		
					All uses other than the above column and glass, glass matrix compound.	Less than 100ppm		
P1003	Mercury and its compounds		—	Level 1	All uses	Less than 2ppm		
P1004	Hexavalent chromium compounds		—	Level 1	All uses	Less than 10ppm		
P1005	Total-concentration of four heavy metals (cadmium, lead, mercury, and hexavalent chromium) contained in packaging components and materials		Indirect materials	—	Level 1	All indirect materials	"Less than 50 ppm" is determined as the allowable total-concentration of four heavy metals (cadmium, lead, mercury, and hexavalent chromium) contained in each part, ink, or paint that constitutes a package.	
P1006	Polybrominated biphenyls (PBB)		All materials	—	Level 1	All uses	Less than 1000ppm	
P1007	Polybrominated diphenylethers (PBDE) (including decabromodiphenyl ether [DecaBDE])	—		Level 1	All uses	Less than 1000ppm		
P1036	Specific phthalates (DEHP/DBP/BBP/DIBP)	refer to Appendix-1.4		Level 1	All uses	Less than 50ppm		

Note :

### 1-2. Regulated substances (Analytical data is NOT required as supporting evidence of "Not contained".)

Reference №	Substances Name	CAS No.	Regulated Level	Scope	Threshold limits (maximum limit of concentration)	Result
P1008	Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	Level 1	All uses	Less than 50ppm	
P1009	Polychlorinated biphenyls (PCB)	—	Level 1	All uses	Less than 50ppm	
P1010	Polychlorinated naphthalenes (PCN)	—	Level 1	All uses	Less than 1000ppm	
P1011	Polychlorinated terphenyls (PCT)	—	Level 1	All uses	Less than 50ppm	
P1012	Chlorinated paraffins (CP)	85535-84-8 84082-38-2 71011-12-6 85536-22-7 85535-85-9 85535-86-0	Level 1	All uses	Less than 1000ppm	
P1013	Polyvinyl chloride (PVC) and PVC blends	—	Level 1	All uses (Exemption-Insulating tapes)	Less than 1000ppm	
P1014	Hydrofluorocarbon (HFC), Perfluorocarbon (PFC), Sulfur hexafluoride(SF6)	—	Level 1	All uses	Less than 1000ppm	
P1015	Ozone depleting substances (ODS)	—	Level 1	All uses	Less than 1000ppm	
P1016	Hydrochlorofluorocarbon (HCFC)	—	Level 1	All uses	Less than 1000ppm	
P1017	Perfluorooctane sulfonates (PFOS)	—	Level 1	All uses	Less than 1000ppm	
P1018	Perfluorooctanoic Acid (PFOA) and individual salts and related substances of PFOA	refer to Appendix-1.1	Level 1	All uses	0.0000025 wt% (25ppb) total sum of PFOA, and its individual salts and related substances.	
P1021	Beryllium oxide	—	Level 1	All uses	Less than 1000ppm	
P1022	Cobalt dichloride	7646-79-9	Level 1	All uses	Less than 1000ppm	



P1023	Arsenic and its compounds	—	Level 1	All uses	Less than 1000ppm	
P1024	Asbestos	—	Level 1	All uses	Less than 1000ppm	
P1025	Specific azo compounds (Azodyes that form specific amine compounds and specific amine compounds.)	refer to Appendix-1.2	Level 1	All uses	Less than 30ppm	
P1026	Formaldehyde	50-00-0	Level 1	The wooden products made from fiberboard, particleboard, or plywood, which are employed in products (e.g. speakers and racks)	[With a chamber method] Concentration in the air: Equal to or less than 0.1 ppm	
P1027	Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene (BNST)	68921-45-9	Level 1	All uses	—	
P1029	Dimethyl fumarate (DMF)	624-49-7	Level 1	All uses	Less than 0.1ppm	
P1030	Specific Polycyclic aromatic hydrocarbons (PAHs)	refer to Appendix-1.3	Level 1	All uses	Less than 1ppm	
P1031	Benzene	71-43-2	Level 1	All uses	Less than 1000ppm	
P1032	Hexachlorobenzene	118-74-1	Level 1	All uses	Less than 1000ppm	
P1033	Conflict Minerals (Gold, Tin, Tantalum and Tungsten which are produced from the Democratic Republic of the Congo or any adjoining countries ("DRC Countries") )	—	Level 1	All uses	Not intentionally added	
P1034	Radioactive substances [Uranium (U), Plutonium (Pu), Radon (Rn),Americium (Am), Thorium(Th) , Cesium(Cs) , Strontium (Sr),etc.]	—	Level 1	All uses	Less than 1000ppm	
P1035	Red phosphorus / Yellow phosphorus	—	Level 1	All uses	Less than 1000ppm	
P1037	Tris(2-chloroethyl) phosphate (TCEP) Tris (1-chloro-2-propyl) phosphate (TCPP) Tris(1,3-dichloro-2-propyl)phosphate (TDCPP)	115-96-8 13674-84-5 13674-87-8	Level 1	All uses	Less than 1000ppm	
P1038	Perfluorohexanoic acid (PFHxA) and its salts and related substances	—	Level 1	All uses	Not intentionally added	
P1039	Decabromodiphenylethane (DBDPE)	—	Level 1	All uses	Not intentionally added	
P1040	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16.9.0 2,13.05,10]octadeca-7,15-diene ("Dechlorane Plus™")	—	Level 1	All uses	Not intentionally added	
P1041	Long-chain perfluoroalkyl carboxylate (LCPFACs) and perfluoroalkyl sulfonate chemicals	—	Level 1	All uses	Not intentionally added	
P1042	TSCA Priority chemicals (PBT, First 10 Chemical Substances)	—	Level 1	All uses	Not intentionally added	
P1043	Acrylamide (monomer)	—	Level 1	All uses	Less than 5ppm	
P1044	Dioxins and Furans	—	Level 1	All uses	Not intentionally added	
P1045	Chlorinated Phenols	—	Level 1	All uses	Less than 0.1ppm	
P1046	Colorants	—	Level 1	All uses	Less than 20ppm	
P1047	Biocides	—	Level 1	All uses	Less than 100ppm	



## Chemical Composition Table and Global Registration Status

Product name		Product category
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● **Guideline**

**Composition information :** Please fill in all composition information so as the total of concentration becomes 100 % as a general rule.  
If the information of the substances which are listed in "Environmentally Hazardous Chemical Substances List of NAMICS Green Procurement Standards" is known regardless of whether its content is lower than Threshold limits or not, report them below.  
If the content of the substances is not clear, report the estimated maximum amount based on design. (\* Please report a reference value, not a guaranteed value.)

**NAMICS Green Procurement Standards :** For each substance filled in the column of Composition information, please select classification following NAMICS Green Procurement Standards  
In addition, if the concentration of reduced substances is more than allowable concentration, fill in "Reduced substances" Alternative plan.

**Global Registration Status :** Please select Circle "O" if all components of the product are registered in existing chemical substances lists of each country or they are out of the scope of the concerned regulations.  
Please select Cross "x" if the product contains a new and non-registered component.  
If Classification of inclusion is "Impurity," it can be excluded from consideration.  
If Product category is "Indirect materials," it is unnecessary to judge this status.

**Information of halogen content :** If you have any information or data about "Total Chlorine" and "Total Bromine," please fill in the column.

※ Please fill in the parts in yellow.

№	Composition information					NAMICS Green Procurement Standards			Global Registration Status								Information of halogen content (ppm)				
	Substances Name	CAS No.	Concentration (%)	Classification of inclusion	Purpose of use	Regulated Level	Reference No. and Substance name	"Reduced substances" Alternative plan	JPN	USA	CAN	KOR	CHN	TWN	PHL	VET	Cl	Ground	Br	Ground	
									ENCS	TSCA	DSL / NDSL	ECL	IECSC	TCSI	PICCS	NCI					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
		Total	0.0000					No. of the substance related to the reason why Registration Status is judged as "X" or "No data"													

Country of origin : Confirmation for Export Administration Regulations (EAR) and China's Export Control Law

Country of origin	
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Reference web site :

ENCS, TSCA:	<a href="https://www.nite.go.jp/en/chem/chrip/chrip_search/systemTop">https://www.nite.go.jp/en/chem/chrip/chrip_search/systemTop</a>
DSL/NDSL:	<a href="http://www.ec.gc.ca/subsouvelles-news/subs/">http://www.ec.gc.ca/subsouvelles-news/subs/</a>
ECL:	<a href="http://ncis.nier.go.kr/en/main.do">http://ncis.nier.go.kr/en/main.do</a>
IECSC:	<a href="http://apciss.cirs-group.com/">http://apciss.cirs-group.com/</a>
TCSI:	<a href="https://csn.osha.gov.tw/content/home/Substance_Home.aspx">https://csn.osha.gov.tw/content/home/Substance_Home.aspx</a>
PICCS:	<a href="http://119.92.161.2/internal/CasREgistry.aspx">http://119.92.161.2/internal/CasREgistry.aspx</a>
NCI:	<a href="http://chemicaldata.gov.vn/cms.xc">http://chemicaldata.gov.vn/cms.xc</a>

※To check substances listing status in Vietnam Inventory (NCI), see the sheet, 'How to check Vietnam Inventory (NCI)'.

Date of response	
Company Name (Name of business establishment)	
Department in charge	
Contact person	Name
	TEL
	FAX
	E-mail

Memo	
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## Questionnaire on ISO Certification and the Product Chemical Substances Management System in place

### 1. Establishment of quality/environmental management system and acquisition of certification by third-party organizations

※ Please fill in the parts in yellow.

\* Enter applicable information, if any, in the empty row.

Certification name	Establishment	Acquisition			
		State	Date (MM/DD/YY)	Expiration date (MM/DD/YY)	Name of certification organization, company, etc.
ISO9001					
IATF16949					
ISO14001					
Eco-Action 21					
Independent in-house system					

### 2. Establishment of product chemical substances management system and acquisition of certification by third-party organizations

\* Enter applicable information, if any, in the empty row.

1) Establishment of system and acquisition of certification by third-party organizations	Establishment	Acquisition			
		State	Date (MM/DD/YY)	Expiration date (MM/DD/YY)	Name of certification organization, company, etc.
Sony Green Partner					
Our own system					

### 3. Self-checking of Chemical management systems

Items	Result
Have you verified that the products/materials do not contain any chemical substances prohibited at the customer?	
Are suppliers audited? Is the product chemical substances management system verified to be effective?	
Do you agree to respond to green procurement surveys, including providing non-inclusion certificates and analytical data?	
Is high-precision analysis data available?	
Do you have a system to apply for advance approval from the customer following any change in materials, composition, or manufacturing methods (processes, facilities, locations)?	

Date of receipt		
Company Name (Name of business establishment)		
Department in charge		
Person in charge Title, name, seal	Title	
	Name	Signature
	TEL	
	FAX	
	E-mail	

## NAMICS Green Procurement Standards\_Revision Records

Revision No.	Established/ Revised on	Revision	Reason for revision	Established/ Revised by
9	2012/11/30	To add the environmental policy. To review the overall structure.	To make the contents more easily understood.	QA Div.
10	2014/9/19	5 To add the explanation about the case where the vendor is not the manufacturer.	To make the procedures match with actual operations.	QA Div.
		7.4(1) To add the explanation about the case where the vendor is not the manufacturer.		
		7.4(5) 4) To add the explanation about reference No.		
		6.2(6) Change control --> Change management process change notice (PCN) --> Change Application Sheet (for supplier)	To correct an error.	
		7.4 (6) Set of SDS and MSDSplus --> (6) SDS, (7) MSDSplus	To separate the section (6), 7.4 to (6) SDS and (7) MSDS plus based on the review of the List.	
		7.4(7) 3) To add 3) under (7), 7.4.	To ensure that a vendor submits the latest MSDSplus.	
		7.4(7) 4) To add 4) under (7), 7.4.	When the item subject to survey is an indirect material, to require a vendor to submit a necessary document, following the actual operation.	
		7.5 To review the list.	To require a vendor to submit MSDSplus. To require a vendor to submit Attached Form 4 (Chemical composition table) only when there is any change.	
		7.5(2) To add a few explanations.	To have a vendor understand the point of the survey.	
To revise Attached Form 2 Non-inclusion Certificate. (To add Analysis data check items.)	To make the status of Analysis data clearer.			
11	2016/4/25	3.3(1) To add a few explanations.	To specify the requirements.	QA Div.
		3.3(2) To add new regulated level: "Reduced Substances"		
		3.4 To add some definition of terms		
		7.4(2) Overall revisions	Review "Attached Form 2"	
		7.4(3) Overall revisions	Review "Attached Form 3"	
		7.5 To review the list.	To require a vendor to submit Attached Form 3 (Chemical composition table and Global registration status) .	
		Revise the related specification name to "NAMICS Green Procurement Standards Environmentally Hazardous Chemical Substances List"	In order to follow Definition of Terms in "NAMICS Green Procurement Standards Document".	
		Review various Attached Forms.	In order to increase the consistency with requirements of "NAMICS Green Procurement Standards Document".	
12	2017/6/16	3.2(3) To add "Halogen-free" in Definition of terms.	To specify the requirements about Cl and Br.	QA Div.
		5.2(3) <del>To add a case subject to report</del>		
		7.4 (3) To add Phthalates as analysis items.	To prepare for the revision of the restricted substances under RoHS Directive.	
		7.4(6) Overall revisions	As "chemSHERPA" is introduced as a submission-required document.	
		7.5 To revise the list based on the review.		

Revision No.	Established/ Revised on	Revision	Reason for revision	Established/ Revised by
13	2018/6/29	7.4 (3) To add Phthalates as mandatory analysis items for raw materials and other materials.	To prepare for the revision of the restricted substances under RoHS Directive.	QA Div.
		7.4(6) To delete MSDSplus from documents to be submitted.	To completely shift to chemSHERPA.	
14	2019/6/28	To delete 3.4 (7) High-precision analysis.	To summarize analysis-related requirements in 7.4 (3).	QA Div.
		7.4(3) To revise some parts about analysis requirements.	To conform to current requirements.	
		7.4(3) To make the substances subject to analysis for raw materials and those for indirect materials same.	As the link to download chemSHERPA was updated.	
		7.4(6) To revise the link to download chemSHERPA.	To conform to current requirements.	
		7.4(6) To revise what need to be paid attention when creating chemSHERPA.	Based on the review of necessary information.	
15	2020/6/30	7.4(1) , 9.2(2) To revise the way of distributing NAMICS Green Procurement Standards Document.	As NAMICS Green Procurement Standards Document started to be posted in NAMICS website.	QA Div.
		16	2021/7/30	Contents To revise wording.
3.3(1) Overall revisions.	Based on the review of Form 2.			
3.4(6) To revise impurity's definition.	To make the description more specific.			
5.1 Overall revisions.	Based on the review of Form 2.			
5.2(1)1) Overall revisions.				
7.4(2) To revise some explanations about Form 2.				
7.4(4)5) To add a relevant law.	Based on the review of Form 3.			