



CEM-3551-24A/E

# CHEMI-CON Group Green Procurement Standards

—Ver. 5.1b —

Established	July 1, 2005
Revised	January 25 2024
Enforced	Sep. 1, 2021

**Nippon Chemi-Con Corporation**

## Introduction

Since the "Paris Agreement," efforts to protect the global environment have become unavoidable issues for the sustainable development of society. The corporate philosophy of the CHEMI-CON Group is "Contributing to Environmentally and People Friendly Technology." Based on this philosophy, we have promoted energy saving, 3R promotion, biodiversity conservation, and countermeasures for climate change risks.

Furthermore, laws and regulations as well as customer requests regarding chemical substances in products are becoming stricter day by day. In response to this, based on "Management of Chemical Substances in Products (CiP)," we are working to reduce the environmental load of all businesses, including procurement of materials and parts, product development, manufacturing, and sales.

These activities cannot achieve its purpose by the efforts of our group alone. This goal of compliance with laws and ensuring customer satisfaction requires the cooperation of suppliers and upstream supply chains.

This "CHEMI-CON Group Green Procurement Standard" has a wide range of requirements. We ask for our suppliers' understanding and cooperation.

In this standard, we will check the submitted documents and the response status of the following.

- CHEMI-CON Green Supplier Approval System (Environmental / Quality Management System)
- Global Environmental Conservation Activities (reduction of greenhouse gases, conservation of biodiversity, etc.)
- Corporate Social Responsibility (CSR)
- Business Continuity Plan (BCP)
- Disaster Risk Reduction (DRR)
- Climate Change Adaptation (CCA)

By promoting green procurement activities through the supply chain, we aim to develop, manufacture and sell "products that are more environmentally friendly and can be used by customers with a sense of security."

We appreciate your understanding and cooperation.

Nippon Chemi-Con Corporation

SCM Procurement Department

Environment Group, Administration Department,

**Supplier Quality Management Group, Quality Assurance Dept. I.**

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# 1. Position of The Green Procurement Standards

## (1) Purpose

The Green Procurement Standards specify requirements that must be observed in procuring materials, parts, products, etc. from suppliers.

## (2) Scope

The Standards apply to materials, parts, products, and packaging materials procured by CHEMI-CON Group companies (hereafter referred to as “procured items”) as well as to suppliers of such items.

“CHEMI-CON Group companies” refers to Nippon Chemi-Con Corporation and all its subsidiaries and affiliated companies as specified in the section 6. (CHEMI-CON Group companies are referred to as “our company” in the Standards).

## (3) Confidentiality

It should be noted that survey documents and other reference documents submitted to our company may be disclosed upon requests from public agencies or our customers.

In such cases, we will give thoughtful attention to ensure that suppliers cannot be identified in the disclosed information.

We will abide by the pertinent laws and regulations concerning proper handling of information in order to protect the private information of suppliers.

## (4) Revision

The Standards are subject to revision due to reasons such as changes in laws, social demands, and technological advancement. When the Standards are revised, if procured items are found non-compliant to the Standards, please contact our procurement officer immediately.

## (5) Contact

For inquiries, please contact the following:

Nippon Chemi-Con Corporation  
SCM Procurement Department  
Phone: +81-3-5436-7630  
Facsimile: +81-3-5436-7719

**Supplier Quality Management Group, Quality Assurance Dept. I**  
Phone: +81-3-5436-7633  
Facsimile: +81-3-5436-7596

## 2. Definitions of terms

### (1) Controlled Chemical Substances

“Controlled chemical substances” refers to chemical substances which our company deems them necessary to prohibit their use or monitor their containment in procured items.

#### 1) Banned substances

Chemical substances that are not allowed to be contained in procured items. Those chemical substances must not be added intentionally, and must be less than threshold limits set in the standards.

#### 2) Reportable substances

Chemical substances that are controlled in our company. Containment information is required.

#### 3) SVHC

Chemical substances that are specified by ECHA (European Chemicals Agency) in accordance with REACH regulations.

- Authorization substances (listed in Annex XIV of the REACH Regulation)
- Candidate substances for Authorization

#### 4) Global Automotive Declarable Substances List (GADSL)

GADSL is the global standard list of chemical substances for declaration within the automotive industry. Chemical substances are classified into 3 types;

P: (Prohibit) Prohibited in all applications

D/P: (Declarable/Prohibit) Prohibit in certain applications, and declarable in other use

D: (Declarable) Required declaration of containment

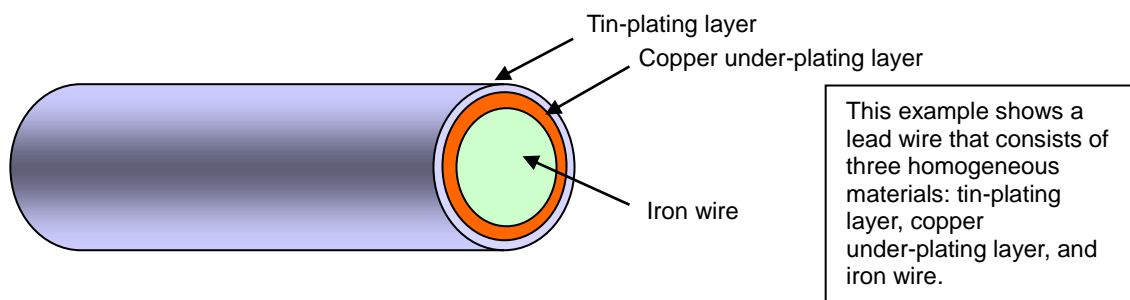
### (2) Homogeneous materials

A material that cannot be mechanically (including unscrewing, cutting, crushing, grinding and abrasive processes) disjointed into uniform composition.

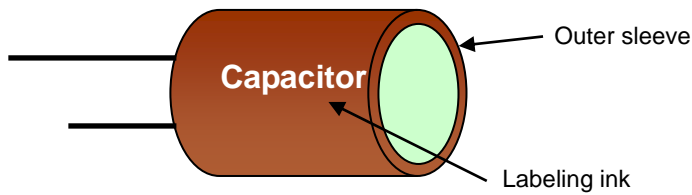
#### Basic concept of homogeneous materials (examples)

The following are some examples of homogeneous materials.

Example 1: Lead wire

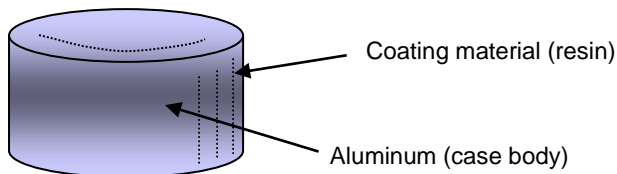


### Example 2: Outer sleeve



In this example, the outer sleeve and labeling ink are homogeneous materials. Note that if different ink colors are used, each color is regarded as a different homogeneous material.

### Example 3: Coated aluminum case



The aluminum case in this example is made of two homogeneous materials: case body (aluminum) and coating material (resin).

### (3) Threshold limit

Maximum concentration limit allowed in the homogeneous materials of a procured item.

### (4) Containment

A condition in which an applicable chemical substance is present in a procured item.

#### 1) Intentional use

The addition of a certain chemical substance to a procured item for the purpose of achieving specific functions.

#### 2) Impurity

A substance which is contained in a natural material and cannot be removed completely during the manufacturing processes due to technical limitations, or a substance which is generated during a synthetic reaction process and cannot be removed due to technical limitations.

### (5) Plastic

A material that includes high polymers, such as general-purpose plastic, engineering plastic, synthetic fiber, synthetic rubber, ink, paint, and adhesive.

### (6) Packaging materials

Materials that are used for transportation and protection of products, parts, and materials.

### (7) Supplementary materials

Machine oil, cleaning solution, office supplies etc. for the manufacturing process.

### 3. Practice of the Standards

#### (1) Purpose

The purpose of practicing the Standards are to comprehend the conditions of chemical substances contained in procured items and to confirm compliancy of procured items to the Standards.

#### (2) Scope

Apply to all procured items of our company. (Excluding those are supplied by our company)

##### 1) Materials

Chemicals, metallic materials, resin polymers, inks, soldering materials, binders, pastes, adhesives, tapes, paper, rubber, etc.

##### 2) Parts

Mechanical parts (Machine molded parts, screws), electronic parts (PCBs, devices), units, modules, assembled parts, etc.

##### 3) Packaging materials

Applicable only to packaging materials for which our company use for transportation and protection of our products, parts, and materials.

##### 4) Supplementary materials

Procured items that our company specifies.

##### 5) Other procured items

Procured items which our company specified other than the above.

e.g. jig, tool, office supply, mold, equipment

#### (3) Documents to be submitted

Documents name	When first starting business with our company	New approval		4M change		
		Newly procured item	Current procured item (additional size, form)	Change in material or ingredient	Process change (No ingredient change)	Additional plant
1 Certificate of Non-containment	*1	○	△	○	△	△
2 Reportable substances declaration form	*2	○	△	○	△	△
3 High-precision analysis result	*3	○	△	○	△	△
4 Ingredient sheet	*4	○	△	○	△	△
5 Green supplier audit sheet	—	○	△	×	×	○
6 Environmental Management System Survey Form	Form A	Environmental Management System Survey Form may be submitted only when requested by our company.				

○ : Required      △ : When requested      × : Not necessary

The latest Standards and formats can be found under following URL.

Japanese: <https://www.chemi-con.co.jp/company/procurement/download.html>

English: <https://www.chemi-con.co.jp/en/company/procurement/download.html>

Chinese: <https://www.chemi-con.co.jp/cn/company/procurement/download.html>

\*1 Certificate of Non-containment (Attached From 1)

Please submit the Form 1 for all procured items supplied by you.

Applicable chemical substances, laws, scope, threshold limits, use, exemptions shall be referred to “CHEMI-CON Group List of Controlled Chemical Substances”.

If procured items contain banned substance by a request from our company, please submit a certificate except for the substance.

\*2 Reportable Substance Declaration Form (Attached Form 2)

Please submit the Form 2 for all procured items supplied by you regardless of containment of those reportable substances.

If you find procured items are not in compliant to the Standards, or contain substances should be reported, please contact the procurement officer in charge immediately.

\*3 Analysis data

Actual analysis results must be submitted in order to verify that the threshold limits specified by our company are satisfied in procured items.

i) Analysis institution

We recommend ISO/IEC17025 certified laboratory

ii) Analysis data

High precision analysis data conducted in accordance with IEC62321 or EN62321.

iii) Target substances

Procured items shall be tested per homogeneous materials for following substances;

Metals: Pb, Cd, Hg, Cr6+ (4 substance groups)

Others: Pb, Cd, Hg, Cr6+, PBB, PBDE, DEHP, DBP, BBP, DIBP (10 substance groups)

If a procured item is a mixture of metal and non-metal, it shall be regard as “Others”

iv) Information to be provided in analysis data

The following information must be provided in analysis data.

a. Analysis sample description (name of the target, part number, etc.)

b. Pre-conditioning method (must be indicated of complete dissolution)

c. Analysis method (name of the analysis method or the official method)

d. The name of institution, the name of the person who performed the analysis, and the name of the person responsible for the analysis (stamps or signatures).

e. Analysis results: In the case of “not detectable (N.D.),” indicate the lower limit of quantification.

f. Analysis flow chart

v) Halogen

In some cases, we request analysis data of halogen (Cl, Br) for submission.

#### \*4 Ingredient sheet

We recommend ingredient information to be submitted by the following industrial standard formats/tools;

	Tool name	Description
1	chemSHERPA	Developed under the supervision of Ministry of Economy, Trade and Industry of Japan. "Data entry support tool for articles" is designed for handling information on chemical substances contained in articles, in the forms of composition information and compliance assessment information. Tool (Japanese, English, Chinese versions available) can be obtained from the following URL; <a href="https://chemsherpa.net/english">https://chemsherpa.net/english</a>
2	IMDS <sup>*5</sup>	Developed under German Association of the Automotive Industry. This is a system that reports chemical substances in products on the Web. Non-disclosed substances can be used up to 10% per homogeneous material. <a href="http://www.mdsystem.com/">http://www.mdsystem.com/</a>
3	SDS (MSDS)	Procured items that are subject to SDS, submission is required.

Other formats/tools including your own format are acceptable.

	Tool name	Description
1	JAPIA Standard Material Datasheet <sup>*6</sup>	Excel-base format to create IMDS-like datasheet developed by Japan Automotive Manufacturers Association and Japan Auto Parts Industries Association. <a href="https://www.japia.or.jp/work/kankyou/japiasheet/">https://www.japia.or.jp/work/kankyou/japiasheet/</a>
2	CAMDS <sup>*5</sup>	Chinese version of IMDS. Automotive makers base in China are obliged to enter data when they apply for vehicle certification. Use Chinese or English to entry. <a href="http://www.camds.org.cn/#/?activeIndex=3">http://www.camds.org.cn/#/?activeIndex=3</a>

\*5 To submit data through IMDS/CAMDS, please contact our purchasing officer for corporate ID.

\*6 To operate JAPIA Standard Datasheet, you will be required to input password. Please contact our purchasing officer for the password.

#### (4) Indication of "non-containment of banned chemical substances" on invoices

To ensure that banned substances are not contained in procured items, please indicate in the document (invoice, test data report, etc.) provided to our company at the time of delivery the following statement or a statement to the same effect: "The product delivered to your company does not contain banned substances specified by your company."



#### **4. Request for participating in environment protection activities**

Our company has been participating global environment protection activities, and encourage our suppliers to participate in such activities like mentioned below.

We appreciate for your understanding and cooperation for returning a survey that will be conducting.

- Construct and maintain Environmental Management System
- Energy saving activities
- Efficient use of resources (including plastics, 3R activities), and Reduction of the waste
- Simplification of packaging material, and Re-use promotion
- Reduction of Green House Gas, and promote of renewable energy.
- Participation to the Biodiversity protection activities
- Responding to the Climate change
- Water-saving promotion
- Idling stop

#### **5. CHEMI-CON Green Supplier Approval System**

Our company initiated the CHEMI-CON Green Supplier Approval System on April 1, 2007, and confirms the system for control of chemical substances contained in products operated by each our supplier or outsourced process.

We conduct audit for its system. We appreciate for your understanding to cooperate of supplier audit on site or self-evaluate.

## 6. Applicable CHEMI-CON Group Company (plants / affiliates list)

Affiliates in Japan	Overseas Affiliates
Nippon Chemi-Con Corp. Takahagi Plant	Chemi-Con (Wuxi) Co., Ltd.
Nippon Chemi-Con Corp. Niigata Plant	Dong Guang KDK Aluminum Foil Manufacture Ltd.
CHEMI-CON EAST JAPAN CORP. Miyagi Plant	Taiwan Chemi-Con Corp.
CHEMI-CON EAST JAPAN CORP. Iwate Plant	Chemi-Con (Malaysia) Sdn. Bhd.
CHEMI-CON EAST JAPAN CORP. Fukushima Plant	P.T. Indonesia Chemi-Con
CHEMI-CON EAST JAPAN MATERIALS CORP. Kitakata Plant	United Chemi-Con, Inc.
CHEMI-CON EAST JAPAN MATERIALS CORP. Iwate Waga Plant	Chemi-Con Materials Corp.
<b>CHEMI-CON DEVICE CORP.</b> <b>Nagai Plant</b>	
<b>CHEMI-CON DEVICE CORP.</b> <b>Yonezawa Plant</b>	
<b>CHEMI-CON DEVICE CORP.</b> <b>Nagaoka Plant.</b>	

## 7. Revision history

No.	Modification	Date	Revision No.
1	First edition released	July 1, 2005	05A
2	(1) General contents, expressions, and terms were reviewed. (2) The standards for control of chemical substances contained in products were reviewed. Deletion of controlled chemical substances, agricultural chemicals, insecticides, etc. Addition of newly regulated substances such as PFOS (3) Consolidation of Annex C (issued on December 1, 2008)	October 1, 2009	09A
3	(1) Full renewal. (2) Separate Chemical Substance List from main body of the Standards.	April 1, 2018	18A
3.1	(1) SDS requirement added (2) List of Controlled Chemical Substances Amended clerical errors Added list of applicable laws Added revision history	September 28, 2018	18B
4.0	(1) Eliminate JAMP AIS sheet, MSDS (2) “Nippon Chemi-Con Group List of Controlled Chemical Substances” were amended. Threshold limit of DEHP, DBP, BBP and DIBP in Banned Chemical Substance were amended. Added PFOA, TECP, TCPP and TDCPP to Banned Chemical Substances. (3) In concern of (2), “Certificate of Non-containment of Banned Chemical Substances in Products” were amended.	July 1, 2019	19A
5.0	(1) Update of “6. Nippon Chemi-Con plants / affiliates list” (2) Added TSCA PBT5 substances to Banned Chemical Substances.	June 4, 2021	21A

No.	Modification	Date	Revision No.
5.1	(1) Added Dechlorane Plus (DP) to the Banned substances. (2) Added PFHxS, its salts and PFHxS-related to the Banned substances. (3) Added Di-n-hexyl phthalate (DnHP) to the Reportable Substances. (4) Added Decabromodiphenylethane (DBDPE) to the Reportable Substances.	Aug. 23, 2021	21B
5.1a	Update company logo.	April 1, 2023	23A
5.1b	Update Affiliates and organization division	January 25, 2024	24A