

GHS Mixture Classification  
and Labels Creation System  
(NITE-Gmiccs)

Operating Manual

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## 1. Introduction

Thank you for using the GHS Mixture Classification and Labels Create System (NITE-Gmiccs; hereinafter this/the system). The purpose of the system is to help business operators classify and label a mixture (product) to manage it according to GHS. The system provides the following functions: inputting information of chemical substances included and composition, inputting GHS classification for each chemical substance included, classifying a mixture (product) according to GHS, and outputting label information. This operating manual describes how to configure and use the system. The manual describes how to set up and use the NITE-Gmiccs.

In this manual, a chemical substance and a mixture (product) are defined as follows,

Chemical substance: a chemical element or its compound which is included in a target product.

Mixture (Product): Mixture or solution composed of two or more substances in which they do not react. This system classifies a Mixture (Product).

### 1.1. Overview of mixture classification with this system

- Step 1. Enter information of chemical substances included and composition by manual entry or uploading an Excel file.
- Step 2. Enter GHS classification for each component substance by manual entry or uploading an Excel file.
- Step 3. The system automatically classifies a mixture (product) and displays the classification.
- Step 4. Output GHS classification into a label after entering corporate information.



## 1.2. Overview of function

The main functions of the system are as follows.

- **Classifying automatically according to GHS, and generating elements of label**

The system automatically classifies a target substance or product based on information of it (shape, flash point, composition included, etc.), and outputs the elements of label. Select a version of GHS from “UN” and “JIS”, “UN” is GHS (Rev.6). If you are required to make SDS in accordance with national law, select the JIS as much as possible.

\* Test data on a mixture itself are necessary for physical and chemical properties in principle. The system targets health and environmental hazards. For detailed classification logic, please refer to “NITE-Gmiccs classification Logic”
- **Managing substance information**

The system has GHS classification data which are approximately 3000 substances that have been published by "National Institute of Technology and Evaluation" (NITE). If you need to register other substances, you are required to register them by yourself and use them as composition of the target product. For detailed classification logic, please refer to [“List of chemical substances registered in NITE-Gmiccs”](#) on the "Listings" tab of NITE-Gmiccs.

\* The system assigned our original name to some of substances acquired from NITE, and we add it the mark ("\*") in front of the name.
- **Importing and exporting mixture (product) information, information on each chemical substance, and GHS classification and label information for a mixture (product)**

The system can export and import information on a chemical substance or mixture (product) in the specified format (CSV). It can also export GHS classification and label information for a product in the specified format (xlsx).
- **Seamless access to Japanese and English pages**

You can move to the English page from any Japanese page, vice versa, and select Japanese or English when exporting a file.
- **Grouping two or more names of target organs**

The system can group two or more names of target organs in STOT classification by original rule, and output simplified elements of label. For details of this function, see "Supplement 1: Grouping names of target organs"
- **Narrowing down precautionary statements**

The system can narrow down precautionary statements to four levels by original rule, and output simplified elements of label. For details of the function, see "Supplement 2: Narrowing down precautionary statements"

### 1.3. Operating environment

➤ Browser

The system is operational under Internet. Please make sure one of the following browsers is installed in your device.

Microsoft Edge

Caution: The system may not be functional if you use another browser or version.

➤ Available time

24 hours a day

### 1.4. Usage of this system

➤ Data sharing

You cannot share the information you registered in this system with other users.

Therefore, other users can never refer to the information you registered in the system.

Common data are limited to integrated GHS classifications, prepared by NITE, which can be used as a reference (cannot be modified).

➤ Data erasing

All registered information will be deleted after a certain time. However, data will not be erased as long as you keep using the system (such as opening a page, moving to another page, searching or updating data).

The following is when the system deletes data,

A browser page(s) is kept open for about 120minutes, without any use.

When you close all browser pages and start using from the top page of the system.

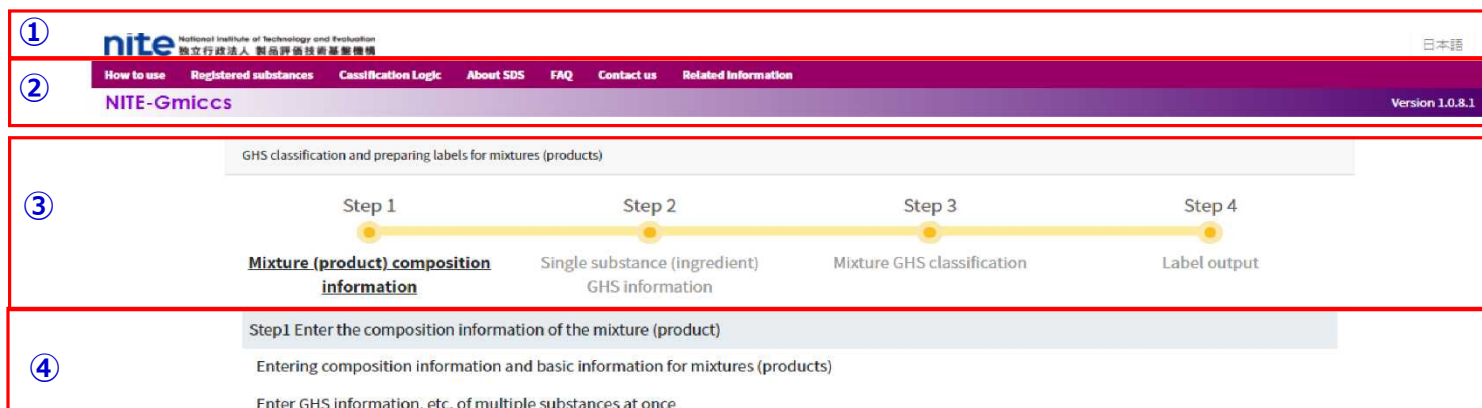
## 2. System operation instructions

### 2.1. Common specifications in the system

#### 2.1.1. Screen layout

The following is a basic screen layout for the system.

(1) Screen image



(2) Explanation for each item

Items	Explanation	
①Header	Nite' logo	Moves to NITE's top page
	Language	Please refer to 2.1.2. Selecting the language
②Common menu	How to use	Opens a page for How to use
	Registered substances	Opens a page for Registered substances
	Classification Logic	Opens a page for Classification Logic
	About SDS	Opens a page for About SDS
	FAQ	Opens a page for FAQ
	Contact us	Opens a page for Contact us
	Related information	Opens a page for Related information
③Move menu	STEP 1 – STEP 4	Moves to STEP 1 to 4
④Contents		Area for transaction and display for each screen

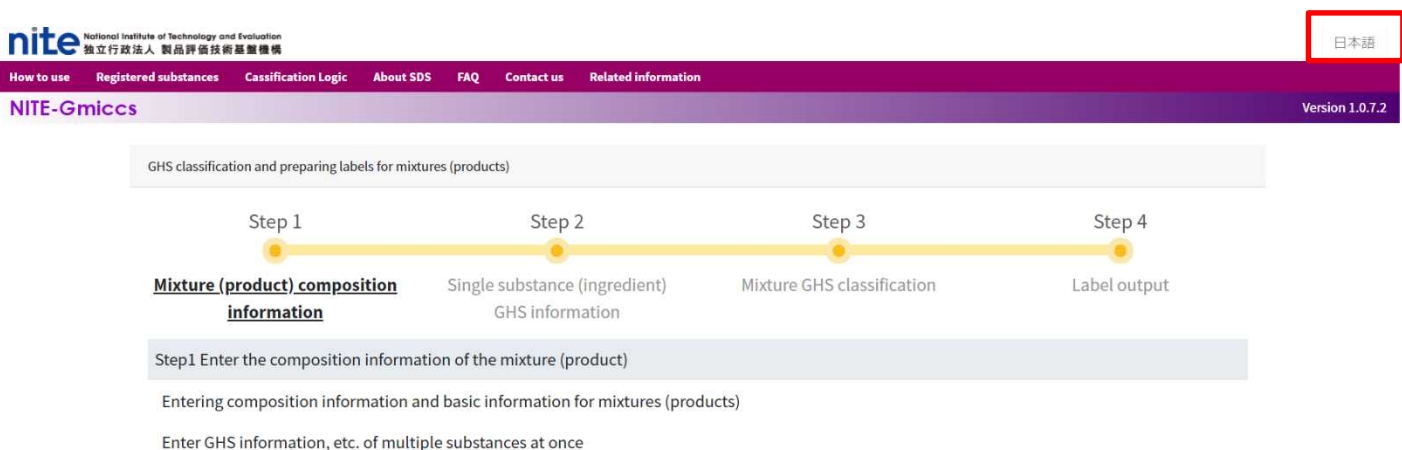
## 2.1.2. Selecting the language

You can select the language between English and Japanese in this system for display on the screen, a message from the system, and files exported.

You can choose the language between English and Japanese by clicking the language icon on any page.



Please select the language by clicking the language icon (**English** or Japanese) in the top right corner.



The system will retain the entered information after the language switch.

## 2.1.3. Basic entering procedures

The following illustrates how you can enter information on the screen.

### (1) Screen image

• Enter the Flash point as a percentage within the range of -999.9 to 999.9.  
 • A non-numeric value has been entered.

**Basic product information**

Product ID Required

Product name(Japanese)

Product name(English) Required

**Basic composition information**

UN number   Search Clear ?

Physical state Required  ?

Flash point  °C ?

Initial boiling point  °C ?

Kinematic viscosity  mm2/s ?


Chemicals information

You can move to the next item by clicking tab key.

### (2) Explanation for each item

Item		Explanation
Required item	<span style="background-color: #f08080; padding: 2px;">Required</span>	Shows a required item
Explanation	<span style="border: 1px solid #ccc; border-radius: 50%; padding: 0 5px;">?</span>	Shows a popup containing an explanation
	<div style="border: 2px solid #f08080; padding: 5px; display: inline-block;"> <span style="border: 1px solid #ccc; border-radius: 50%; padding: 0 5px;">?</span> <div style="background-color: #e0f0ff; padding: 5px; margin-top: 5px;">           The "Hazard class" and "Packing Group" associated with the UN number are used in the classification for some physical hazards.         </div> </div>	A popup will disappear after a few seconds.
Column for entry	<div style="border: 2px solid #f08080; padding: 5px; margin-bottom: 5px;"> </div> <div style="border: 2px solid #f08080; padding: 5px; margin-bottom: 5px;">111</div> <div style="border: 2px solid #00b050; padding: 5px;">2222</div>	In an orange frame: the column being entered In a red frame: entry error In a green frame: the column revised

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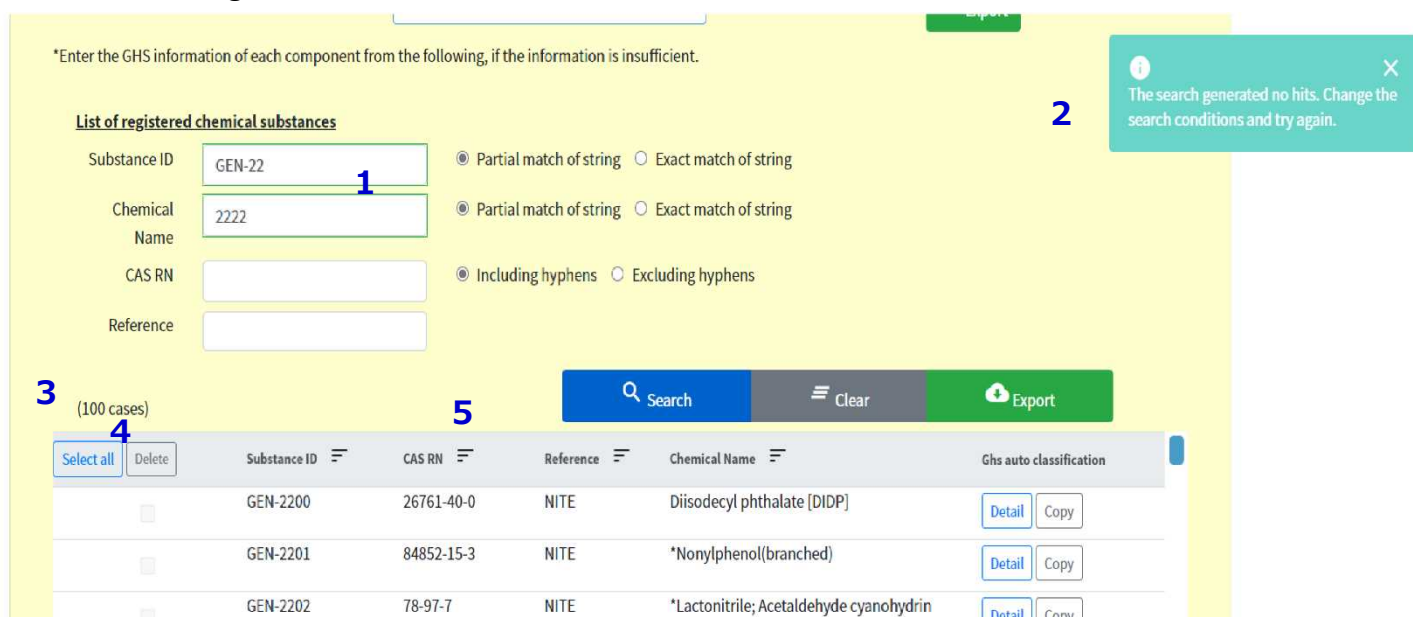
Message during entry	<p>A message will be displayed in the left top corner if there is an error during entry, such as:</p> <p>Check for a required field</p> <p>Check for the data type (text, value), number of digits</p> <p>Check for a relationship</p>
Message on a transaction result	<p>A message will be shown after pressing a Register or Update button. It will disappear after a few seconds. You can delete it sooner by clicking X.</p> 

The system will check the content of the column entered when you move to another item.

### 2.1.4. Basic searching procedures

The following illustrates how to search in the system.

#### (1) Screen image



\*Enter the GHS information of each component from the following, if the information is insufficient.

**List of registered chemical substances**

Substance ID: GEN-22  
 Chemical Name: 2222  
 CAS RN:  
 Reference:

Partial match of string (selected) / Exact match of string  
 Partial match of string (selected) / Exact match of string  
 Including hyphens (selected) / Excluding hyphens

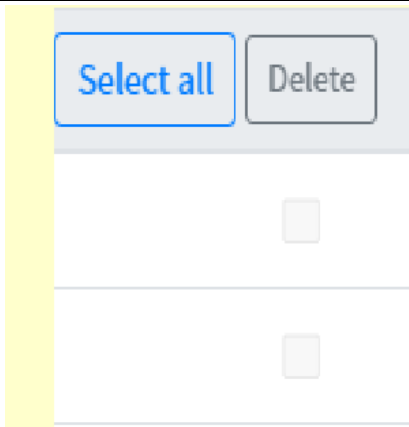
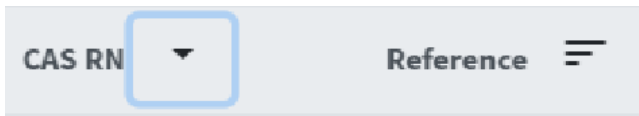
Search Clear Export

(100 cases)

Select all	Delete	Substance ID	CAS RN	Reference	Chemical Name	Ghs auto classification
<input type="checkbox"/>		GEN-2200	26761-40-0	NITE	Diisodecyl phthalate [DIDP]	Detail Copy
<input type="checkbox"/>		GEN-2201	84852-15-3	NITE	*Nonylphenol(branched)	Detail Copy
<input type="checkbox"/>		GEN-2202	78-97-7	NITE	*Lactonitrile; Acetaldehyde cyanohydrin	Detail Copy

Item	Showing on the screen	Explanation
1. Search conditions	A partial match is applied for the item for which a partial or exact match is not designated.	
2. Message	A message of the search result will be displayed after pressing the search button when necessary.	

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3. Number of hits	Shows the number of hits	
4. Selection of the line to be transacted		<p>You can select/deselect all rows by clicking "Select all /Release all" in the header row.</p> <p>Clicking the box in each row will switch on select/deselect for the row.</p> <p>You can delete the selected the row by clicking a "Delete" button.</p>
5.Sorting		<p>You can sort the results in ascending or descending order by clicking the up or down arrow, respectively, next to the item names.</p>

A search result will be shown on a "continuous" page, not on a "fixed" page.

A message asking for a revised search will be displayed when the number of hits exceeded the maximum number of rows.

NOTE: The maximal number of mixture (product) composition information shown in a list is 500.

The maximal number of substance (ingredient) GHS information shown in a list is 5,000

### 2.1.5. Importing procedures

The following illustrates how to import a file in the system.

(1) Screen image



(2) Explanation of items

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Item	Explanation
1.How to create data for importing	Opens a screen for an import operation manual
2.Transaction conditions	<ul style="list-style-type: none"><li>• Difference replacement (default) By searching, if there is data, it will be updated, otherwise it will be registered.</li><li>• Replace All Delete registered data and replace it with imported data.</li></ul>
3.Template	Downloads a template for importing
4.Message for the transaction	<p>An error message will be shown in red.</p> <p>The number of transactions is displayed when there is no error.</p>

A file for importing is in a CSV format.

The first row is for a title, and data should be in the second or subsequent rows.

The transaction will be stopped when there is an error.

Even if there are data without an error, the system will not import any data when an error occurs.



## 2.1.6. Exporting procedures

The following illustrates how to export a file in the system.

### (1) Screen image

Substance ID:  ☒ Partial match of string ☐ Exact match of string

Chemical Name:  ☒ Partial match of string ☐ Exact match of string

CAS RN:  ☒ Including hyphens ☐ Excluding hyphens

Reference:

(99 cases)

**1** [Search](#) [Clear](#) [Export](#)

Select all	Delete	Substance ID	CAS RN	Reference	Chemical Name	Ghs auto classification
<input type="checkbox"/>		GEN-0002	79-06-1	NITE	Acrylamide	<a href="#">Detail</a> <a href="#">Copy</a>
<input type="checkbox"/>		GEN-0003	79-10-7	NITE	Acrylic acid	<a href="#">Detail</a> <a href="#">Copy</a>
<input type="checkbox"/>		GEN-0004	107-13-1	NITE	Acrylonitrile	<a href="#">Detail</a> <a href="#">Copy</a>
<b>2</b> <input type="checkbox"/>		GEN-0005	107-02-8	NITE	Acrolein	<a href="#">Detail</a> <a href="#">Copy</a>
<input type="checkbox"/>		GEN-0006	75-05-8	NITE	Acetonitrile	<a href="#">Detail</a> <a href="#">Copy</a>
<input type="checkbox"/>		GEN-0007	7803-52-3	NITE	Stibine	<a href="#">Detail</a> <a href="#">Copy</a>
<input type="checkbox"/>		GEN-0008	2104-64-5	NITE	O-Ethyl O-4-nitrophenyl phenyl phosphonothioate [EPN]	<a href="#">Detail</a> <a href="#">Copy</a>

Chemical\_EN\_202103....csv  
で行う操作を選んでください。

[開く](#) [名前を付けて保存](#) ...

### (2) Explanation of items

Item	Explanation
1.Export	Outputs a file of an export list
2.Downloaded file	<p>A file is downloaded in a download folder in your device when there is no error.</p> <p>A file is a CSV file or a ZIP file created by compressing plural CSV files.</p>

A file for exporting is in a CSV format.

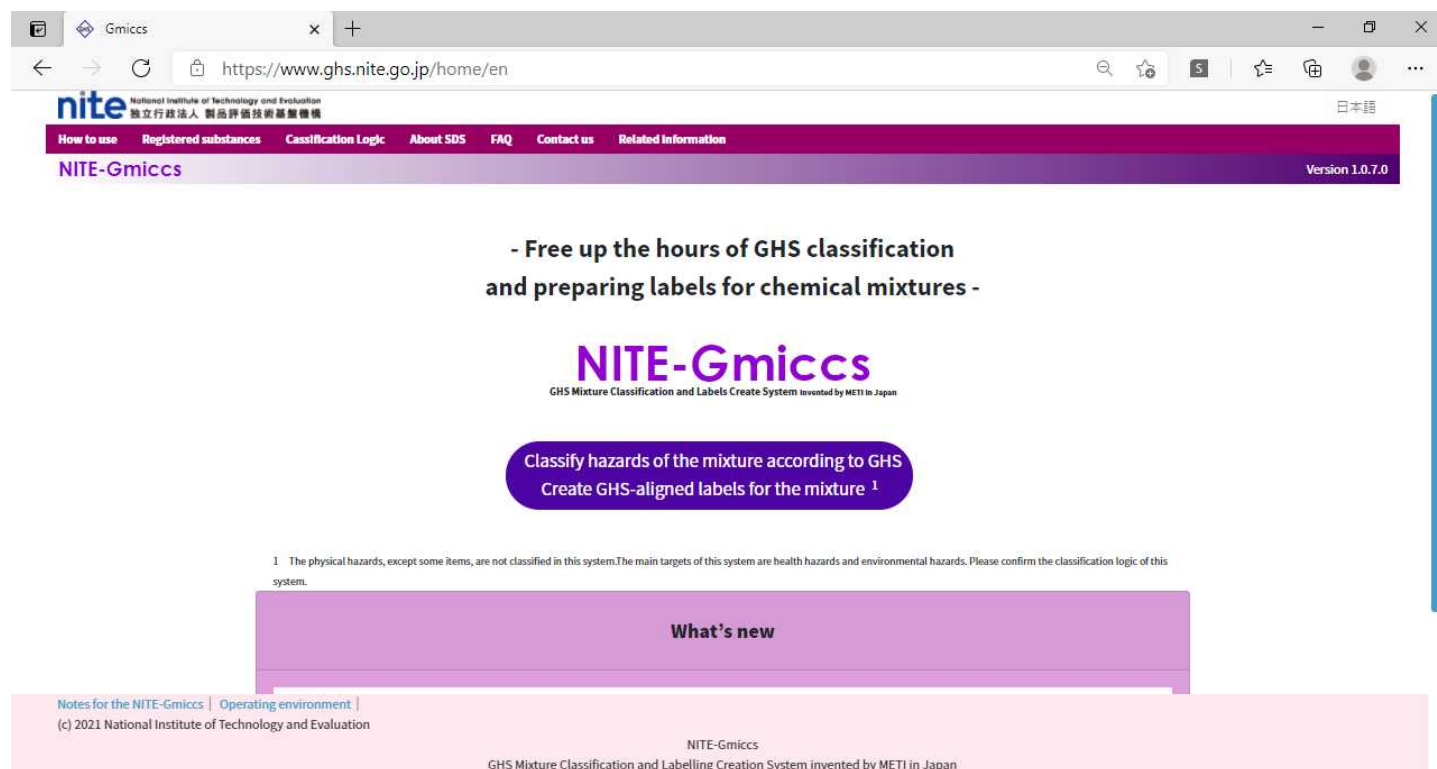
A downloaded file can be imported to the system.

## 2.2. Top menu

### 2.2.1. How to access the system

Entering the following URL displays the menu.

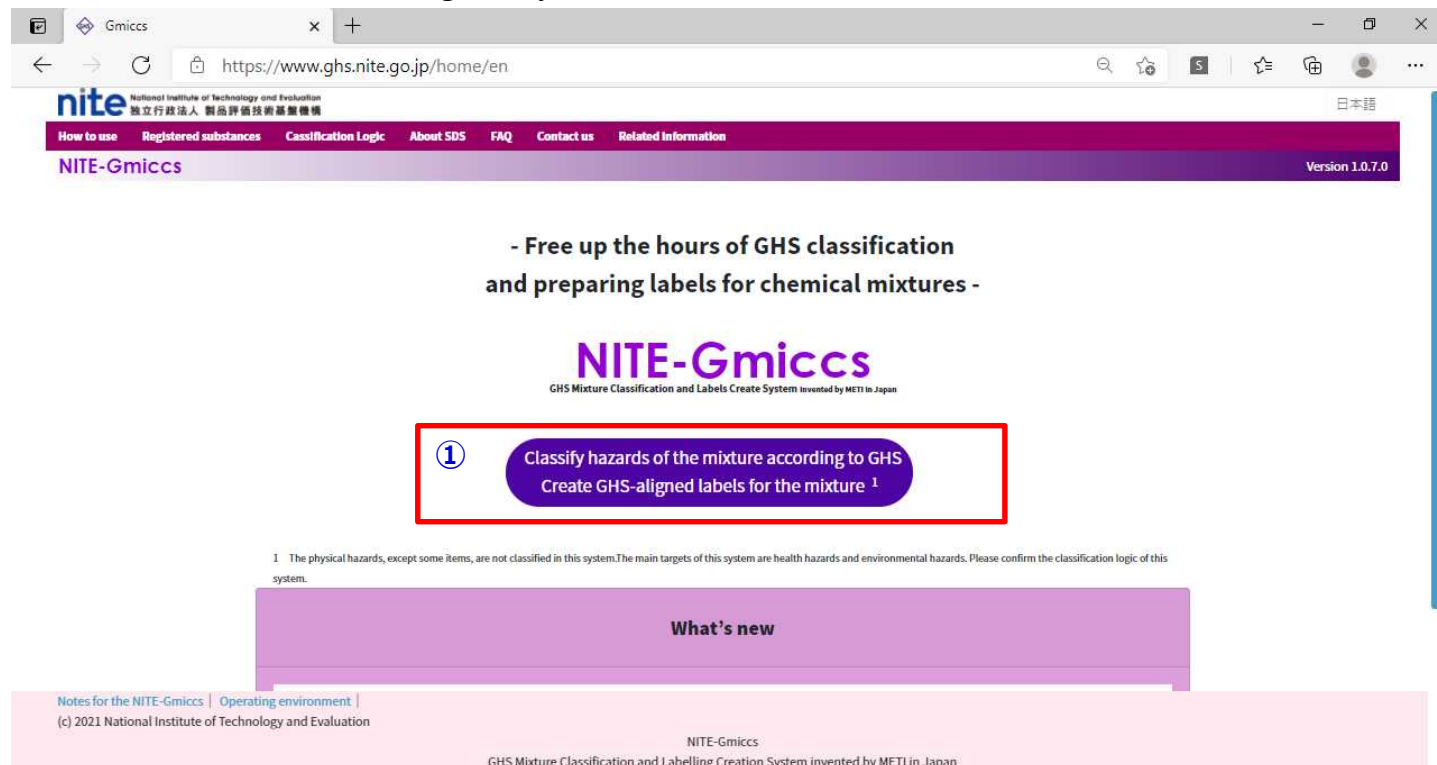
<https://www.ghs.nite.go.jp/>



## 2.2.2. Start using the system and reviewing disclaimers

1) Check Notifications from the system.

Click a “Classify hazards of the mixture according to GHS/Create GHS-aligned labels for the mixture” button to start using the system.

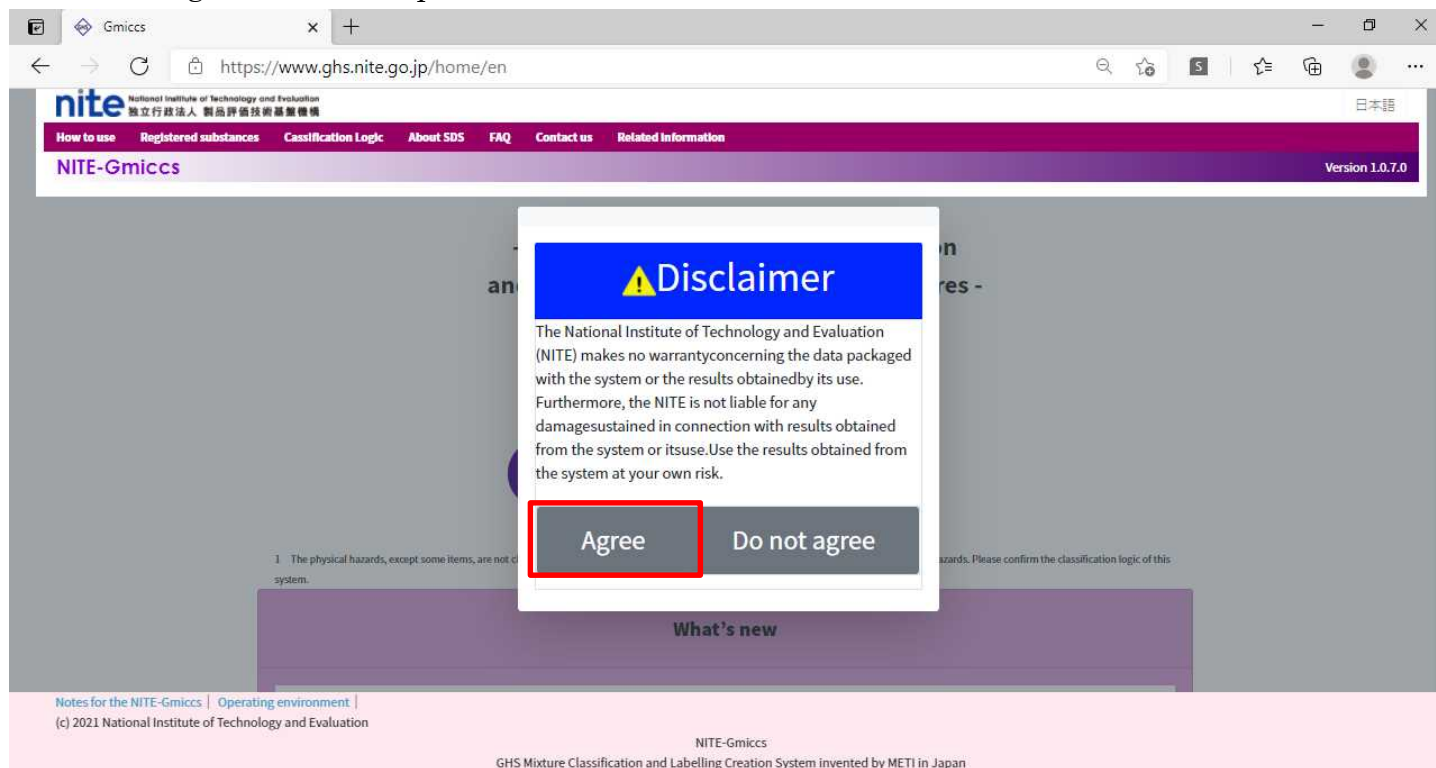


No,	Item	Digit	Format	Explanation
1	Classify hazards of the mixture according to GHS/Create GHS-aligned labels for the mixture		button	Clicking this button displays a dialog box showing “Review disclaimers.” Click the “Agree” button to proceed to STEP 1 screen.
2	Notifications		display	Shows notifications from the system.

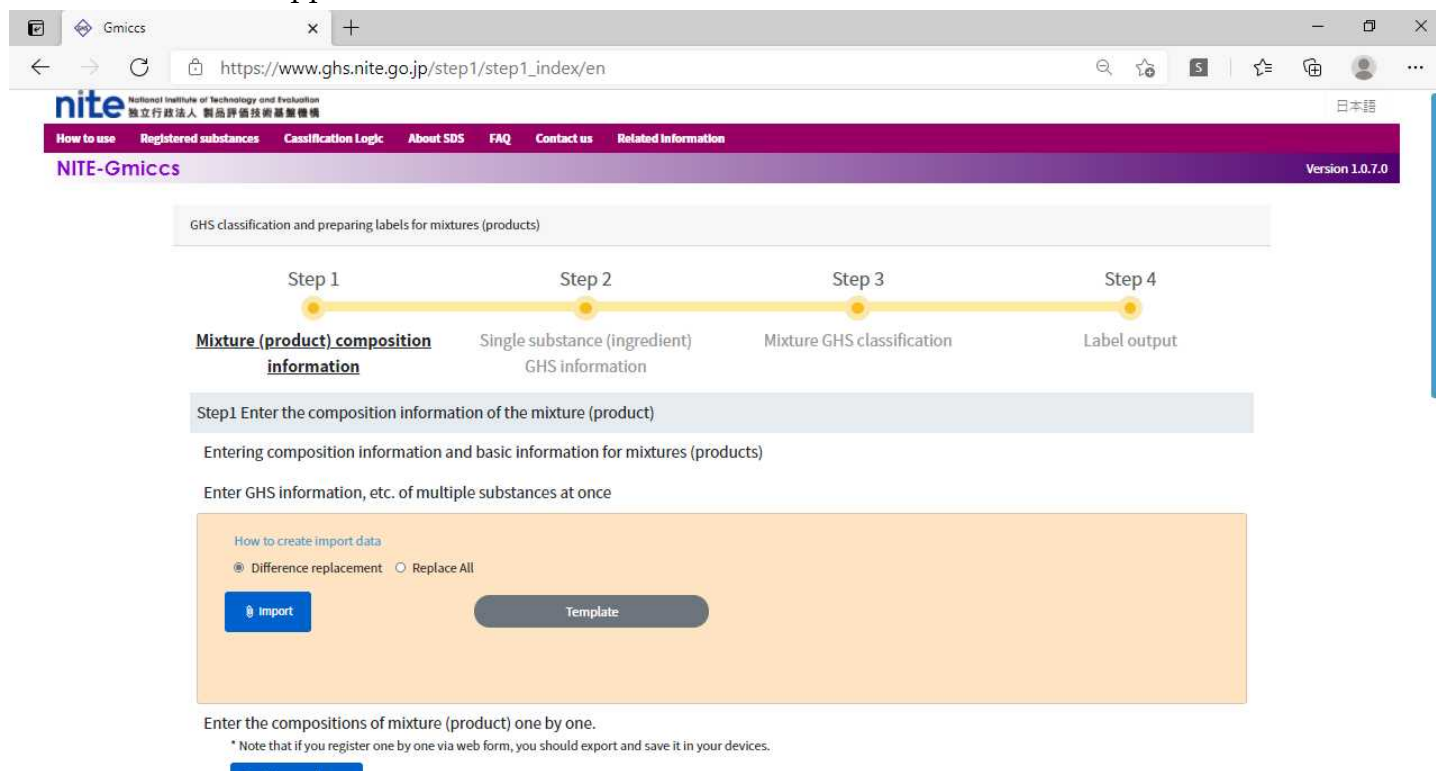
2) A dialog box showing “Review disclaimers” appears.

Please check the contents of disclaimers.

Click the “Agree” button to proceed to STEP 1 screen.



3) STEP 1 screen appears.



## 2.3. STEP 1 Mixture (product) composition information

There are 2 ways to enter information, entering GHS information, etc. of multiple substances from a file at once, or entering that on the screen one by one.

### 2.3.1. Entering GHS information, etc. of multiple substances from a file at once

Import a file in STEP 1 on the screen below.

Please create an import file before importing it.

A template can be downloaded by clicking a “Template” button.

The screenshot shows the NITE-Gmiccs web application interface. The browser address bar displays the URL: [https://www.ghs.nite.go.jp/step1/step1\\_index/en](https://www.ghs.nite.go.jp/step1/step1_index/en). The page header includes the NITE logo and navigation links: How to use, Registered substances, Classification Logic, About SDS, FAQ, Contact us, and Related Information. The version is 1.0.7.0.

The main content area is titled "GHS classification and preparing labels for mixtures (products)". It features a progress bar with four steps: Step 1 (Mixture (product) composition information), Step 2 (Single substance (ingredient) GHS information), Step 3 (Mixture GHS classification), and Step 4 (Label output). Step 1 is currently selected.

Below the progress bar, the text reads: "Step1 Enter the composition information of the mixture (product)". Underneath, it says: "Entering composition information and basic information for mixtures (products)".

The main instruction is: "Enter GHS information, etc. of multiple substances at once". Below this, there is a red-bordered box containing the following elements:

- A link: [How to create import data](#)
- Two radio buttons: ☒ Difference replacement and ☐ Replace All
- An "Import" button (blue)
- A "Template" button (grey)

Below the red box, it says: "Enter the compositions of mixture (product) one by one." and a note: "\* Note that if you register one by one via web form, you should export and save it in your devices."

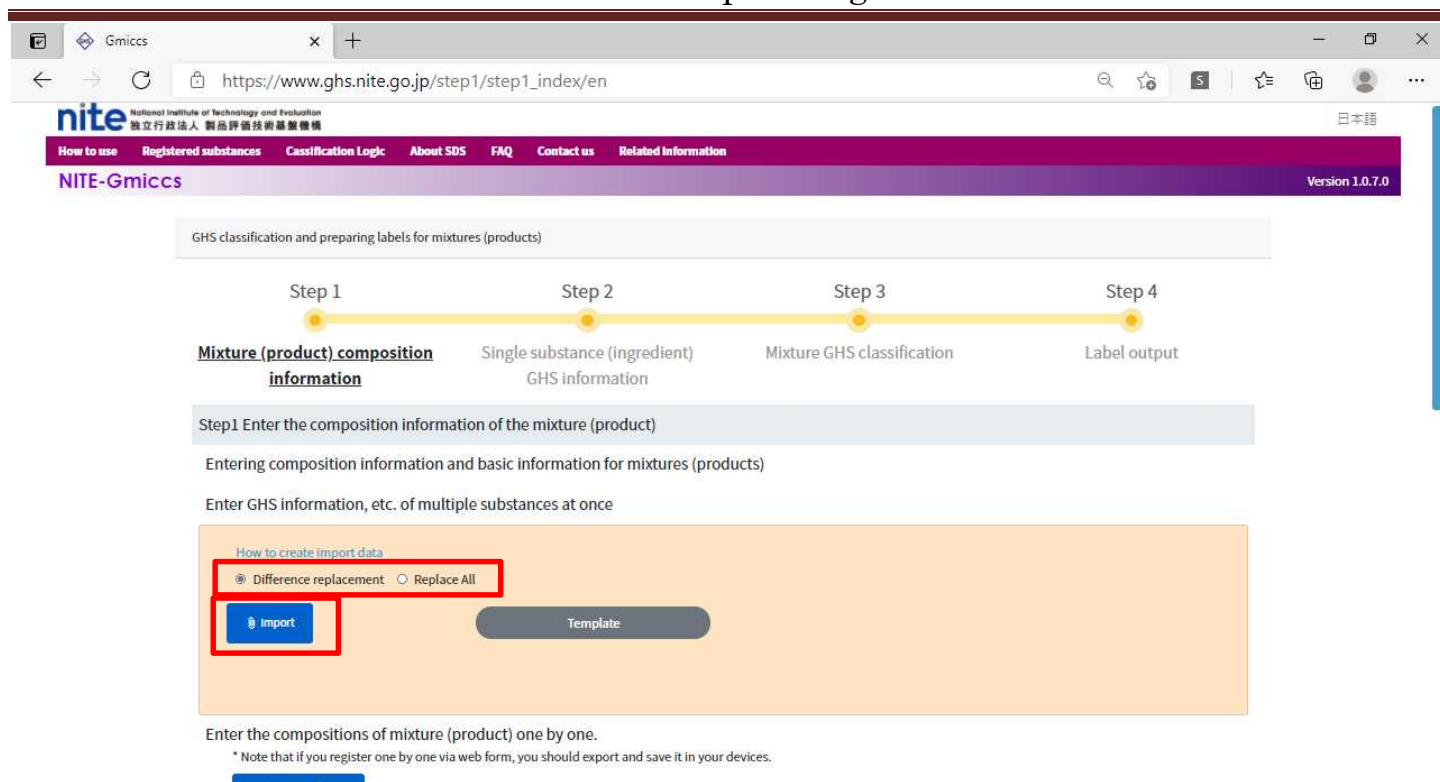
Please refer to the following procedure for explanations for each item.

### 2.1.5 Importing procedures

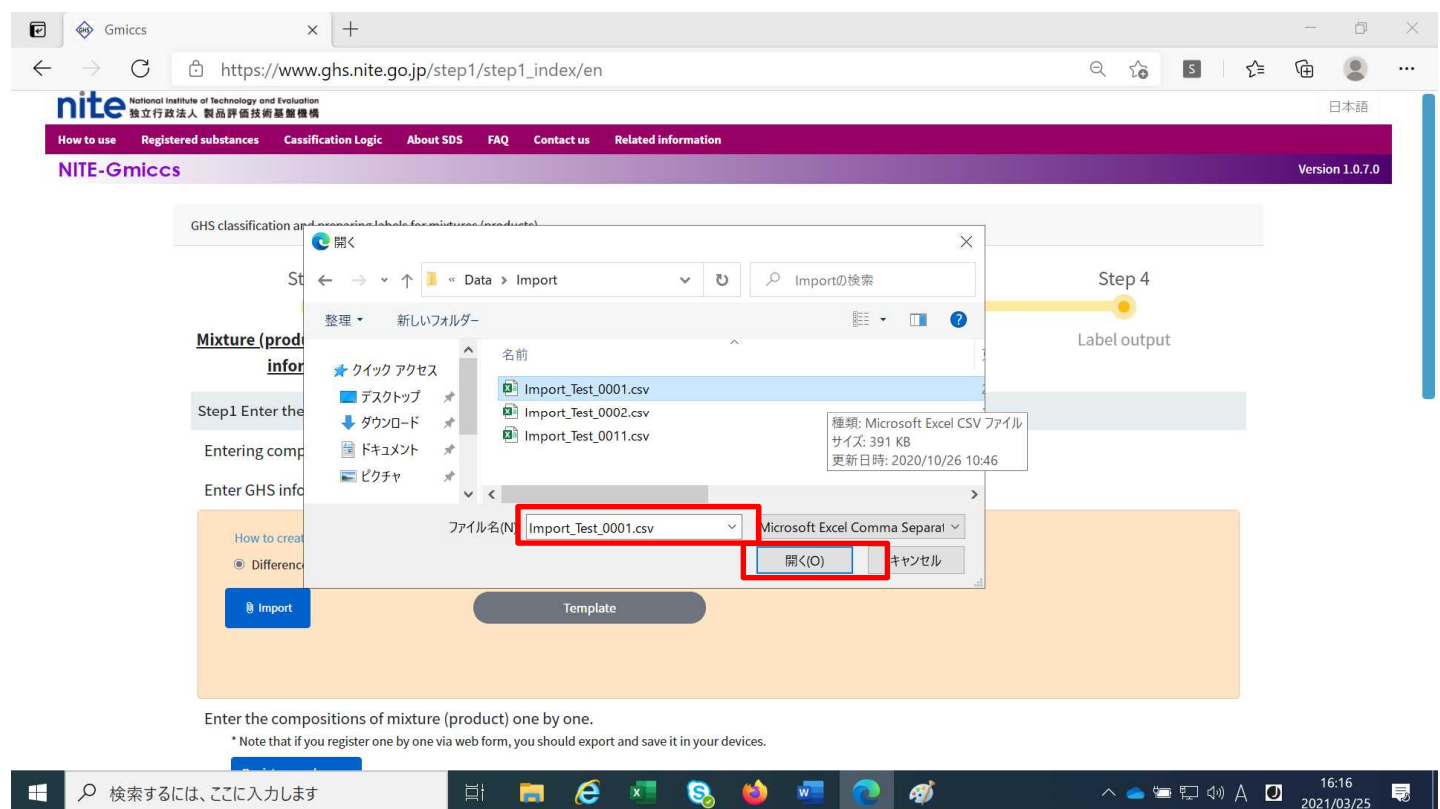
Note: Please see the link “How to create import data” *for creating an import file*.

2) Click an “Import” button after selecting a transaction condition, Difference replacement or Replace All.

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3) Select an import file and open it.




4) Check a message after a transaction.

A transaction is stopped at a point where an error happens.

How to create import data

☒ Difference replacement ☐ Replace All


 Import Template

Processing was canceled due to an error. [File : Import\_Test\_0001.csv]  
The file style no match.

The number of importations is shown when a transaction is completed without an error.

How to create import data

☒ Difference replacement ☐ Replace All

 Import Template

The import process completed successfully [filename:Product\_sample\_detail\_en.csv]  
Process number : 5

Note: Registered data can be seen in “Confirmation of the composition information for registered mixtures (products)”



## 2.3.2. Entering composition information of mixture (product) one by one

1) Click “Register one by one” to open a screen for an entry.

GHS classification and preparing labels for mixtures (products)

Step 1      Step 2      Step 3      Step 4

Mixture (product) composition information      Single substance (ingredient) GHS information      Mixture GHS classification      Label output

Step1 Enter the composition information of the mixture (product)

Entering composition information and basic information for mixtures (products)

Enter GHS information, etc. of multiple substances at once

How to create import data

☒ Difference replacement    ☐ Replace All

Enter the compositions of mixture (product) one by one.

\* Note that if you register one by one via web form, you should export and save it in your devices.

2) The following screen will be shown in a new tab.

The main menu is on tab 1, and an entry screen is in tab 2. It is possible to open multiple entry screens.



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The screenshot displays the NITE-Gmiccs web application interface. At the top, there is a browser window with the URL <https://www.ghs.nite.go.jp/compositioninformation/en/Edit/Register>. The page header includes the NITE logo and navigation links: How to, Listings, Logic of GHS Classification, About SDS, FAQ, Contact us, and Related Information. The main content area is titled "Product composition information" and contains several sections:

- Basic product information:** Includes fields for Product ID (required), Product name(Japanese), and Product name(English) (required).
- Basic composition information:** Includes fields for UN number, Physical state (required), Flash point, Initial boiling point, and Kinematic viscosity. There are also "Search" and "Clear" buttons.
- Chemicals information:** Includes a "List of chemical substances" section with fields for Substance ID, Chemical Name, CAS RN, and Source. It also has radio buttons for "Partial match of string" and "Exact match of string", and "Including hyphens" and "Excluding hyphens". A note states: "Note that if there are no chemical substances registered in the below list of chemical substances, you should move to step2 to register the GHS information of single substances." There are "Search" and "Clear" buttons.

At the bottom, there is a table with columns: Check, Substance ID, CAS RN, Source, Chemical Name, and Ghs auto classification. Below the table, there are "Close" and "Register" buttons.

No.	Item	Digit	Format	Explanation
1	Product ID	32	half-sized characters	Should be half-sized characters.
2	Product name (Japanese)	4000	characters	Should be Chinese characters.
3	Product name (English)	4000	half-sized characters	Enter an English name.
4	UN number		(display)	Shows a UN number selected.
5	Secondary hazard		(display)	Shows a Secondary hazard selected.

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6	Search		button	Click the button to show an entry screen for a UN number.
7	Physical state		Select	Select one from the pull-down menu.
8	Flash point	4, 1	numerical value	Should be between -999.9 and 999.9.
9	Initial boiling point	4, 1	numerical value	Should be between -999.9 and 999.9.
10	Kinematic viscosity	4, 1	numerical value	Should be between -999.9 and 999.9.
	[Chemicals information]			
11	Substance ID		half-sized characters	For a partial or exact match search by Substance ID
12	Chemical name		characters	For a partial or exact match search by Chemical name
13	CAS RN		half-sized characters	For a partial or exact match search by CAS RN
14	Reference		list	Select one from registered references or execute an exact match search by reference entered.
15	Search		button	Execute a search.
16	Clear		button	Clears search conditions and a list
	[Chemicals information]			
17	<input type="checkbox"/> Select		check	
18	Substance ID		(display)	Shows a Substance ID.
19	CAS RN		(display)	Shows CAS RN.
20	Reference		(display)	Shows Reference
21	Chemical name		(display)	Shows a Chemical name
22	GHS auto classification		button	Click the button to show detailed information of a chemical substance
23	Add		button	Click this button to add selected substance information selected to the Compositions below.

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	[Compositions]			Includes information of the mixture of maximal 30 components. The content of each substance should be entered.
24	Delete		button	
25	CAS RN		(display)	Shows CAS RN.
26	Reference		(display)	Shows Reference
27	Chemical name		(display)	Shows a Chemical name
28	Content rate		numerical value	Should be between 0.1 and 100.
29	100% conversion		(display)	Shows
30	Conversion rate			Shows
31	Close			Closes a screen.
32	Register			Registers entered information.

### 3-1) Enter Basic product information and Basic composition information

An error message will be shown in the left top corner.

- Enter the Flash point as a percentage within the range of -999.9 to 999.9.
- A non-numeric value has been entered.

**Basic product information**

Product ID	Required	<input type="text"/>
Product name(Japanese)		<input type="text"/>
Product name(English)	Required	<input type="text"/>

**Basic composition information**

UN number	<input type="text" value="1201"/>	<input type="text" value="1"/>	<input type="button" value="Search"/>	<input type="button" value="Clear"/>	<input type="button" value="?"/>
Physical state	Required	<input type="text" value="Liquid"/>			<input type="button" value="?"/>
Flash point		<input type="text" value="9999"/>	°C		<input type="button" value="?"/>
Initial boiling point		<input type="text" value="1 1 1 1"/>	°C		<input type="button" value="?"/>
Kinematic viscosity		<input type="text"/>	mm <sup>2</sup> /s		<input type="button" value="?"/>

Chemicals information

### 3-2) A UN number can be selected in a search screen.

It is impossible to type it directly.

Please refer to 2.3.2.1. Searching a UN number.

## 3-3) Register information on chemical substances

### (1) Conduct a search by Chemical name

By clicking a “Detail” button, you can refer to the detailed information on the substance (No.3).

Please refer to 2.4.3.3 Revising (referring to) substance information.

**\* If the required composition substance is not displayed, register it first in Step 2.**

**(2.4.5. Registering (importing) substance information one by one.)**

### (2) Select the substance to be included in a mixture from the search result (No.1).

### (3) Click an “Add” button to include the substance(s) selected to a composition list (No.2).

**List of chemical substances**

Substance ID:

Chemical name:

CAS RN:

Reference:

☒ Partial match of string  
☐ Exact match of string

☒ Partial match of string  
☐ Exact match of string

☒ Including hyphens   ☐ Excluding hyphens

Not that if there are no chemical substances registered in the below list of chemical substances, you should move to step2 to register the GHS information of single substances.

**1** (16 cases)

Check	Substance ID	CAS RN	Reference	Chemical name	Ghs auto classification
<input type="checkbox"/>	GEN-1964	53209-19-1	NITE	*4-Nitro-o-phenylenediamine monohydrochloride	<a href="#">Detail</a>
<input type="checkbox"/>	GEN-1986	33786-89-9	NITE	*5-Chloro-1,3-phenylenediamine	<a href="#">Detail</a>
<input checked="" type="checkbox"/>	GEN-2158	95-54-5	NITE	o-Phenylenediamine	<a href="#">Detail</a>
<input checked="" type="checkbox"/>	GEN-2159	108-45-2	NITE	m-Phenylenediamine	<a href="#">Detail</a>
<input type="checkbox"/>	GEN-2401	95-83-0	NITE	4-chloro-o-phenylenediamine	<a href="#">Detail</a>

**2** [Add](#)

**3**

### (4) Clicking “Delete” button will remove the substance from the list (No.4).

### (5) After procedures (1) to (4), enter a content for each component (No.5).

### (6) After entering contents for all, click a “100% Conversion” button so that the sum of contents becomes 100% (No.6).

Note: As an example of how the “100% Conversion” button works, if the sum of contents is 80%, conversion processing would multiply the content percentage of each by 1.25% to bring the resulting total to 100%.

## NITE-Gmiccs Operating Manual

**Compositions**

Confirmation of conversion rate **100% Conversion**

**4**

Delete	Substance ID	Cas No	Reference	Chemical Name	Content rate	Conversion rate	Ghs auto classification
Delete	GEN-2158	95-54-5	NITE	o-Phenylenediamine	<b>5</b>		Detail
Delete	GEN-2159	108-45-2	NITE	m-Phenylenediamine			Detail

(7) An error message will be displayed when there is an error.

• Enter the Content rate as a percentage within the range of 0.01 to 100.

**Compositions**

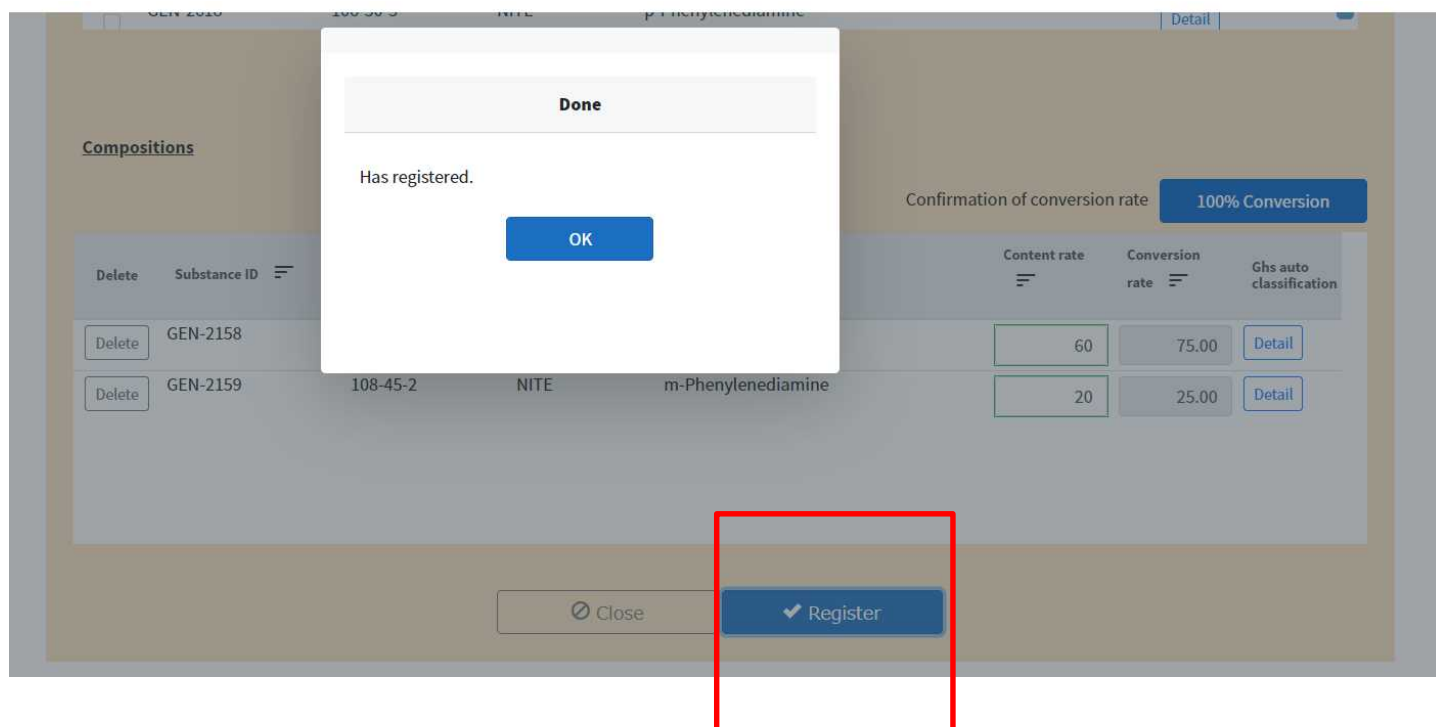
Confirmation of conversion rate **100% Conversion**

Delete	Substance ID	Cas No	Reference	Chemical Name	Content rate	Conversion rate	Ghs auto classification
Delete	GEN-2158	95-54-5	NITE	o-Phenylenediamine			Detail
Delete	GEN-2159	108-45-2	NITE	m-Phenylenediamine	1000		Detail

4) Click a “Register” button after entering all.

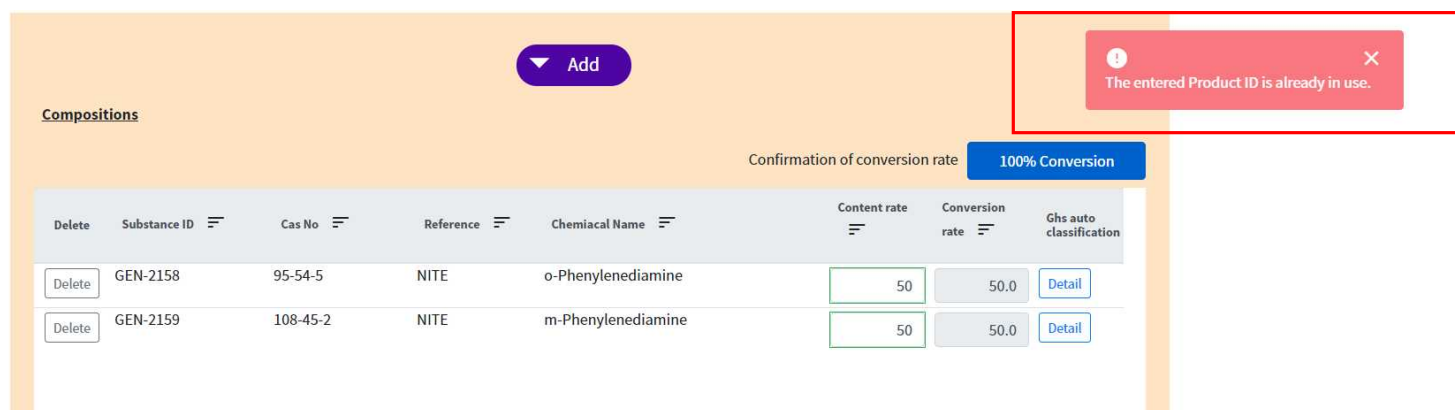
An error message will be displayed when there is an error. Revise the entry according to the message.

A message for the completion will be shown when registration ends without an error.



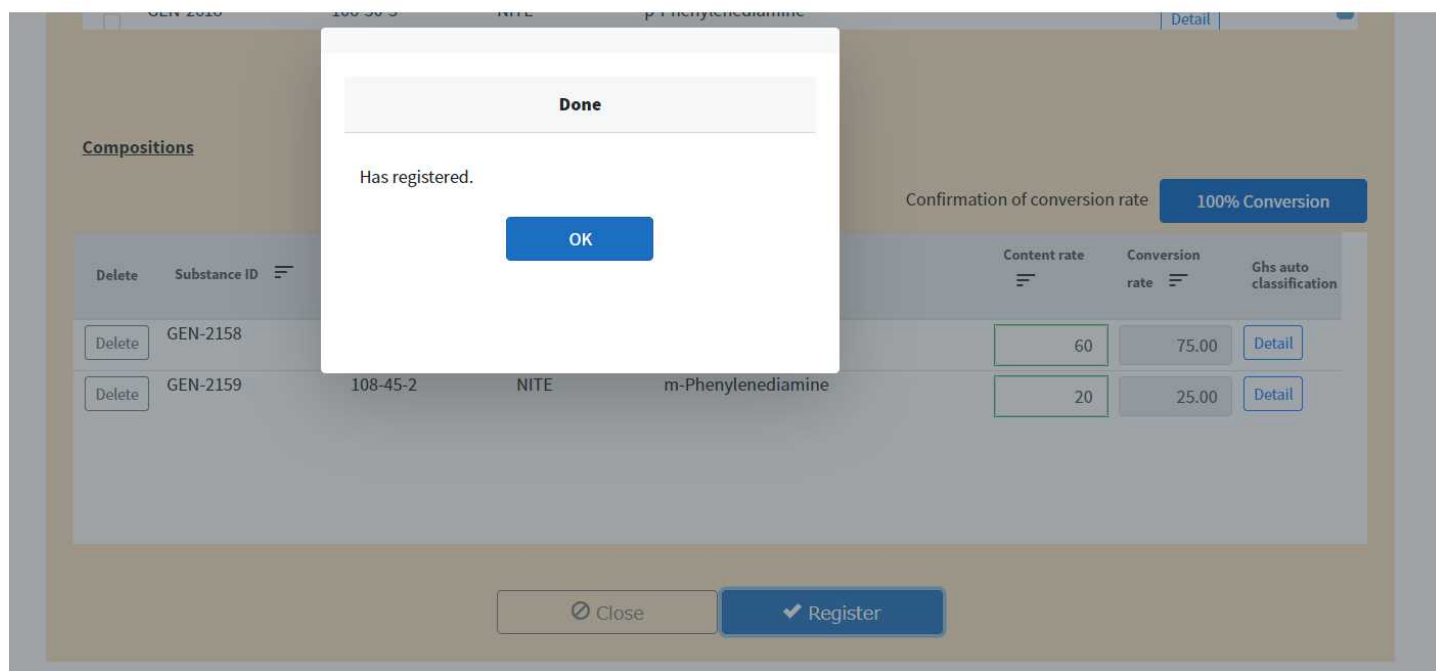
NOTE: Common chemical substance information (NITE registration information) or chemical substance information registered by the user in Step 2 can be selected as the composition substance.

An error message showing on the right side.



Note: Substance ID is a unique identifier for chemicals information.

- 5) A message for the completion will be shown when registration ends without an error. Click OK to close the message.



Note: Registered data can be viewed in a list of “compositions”.

## 2.3.2.1. Searching a UN number

1) Click a “Search” button next to UN number in Basic composition information to open a search screen for a UN number.

Product composition information

**Basic product information**

Product number Required

Product name(Japanese)

Product name(English) Required

**Basic composition information**

UN number   Search Clear ?

Physical state Required  ?

2) Search a UN number




# NITE-Gmiccs Operating Manual



**Search by Un number**

UN number

Proper Shipping Name

 Search

UN number	Proper Shipping Name	Un classificattion	Secondary hazard	Packing group	Guideline number
1201	FUSEL OIL	3		II	127
1201	FUSEL OIL	3		III	127
1202	GAS OIL	3		III	128
1202	HEATING OIL, LIGHT	3		III	128
1202	DIESEL FUEL	3		III	128
1203	GASOLINE	3		II	128
1203	MOTOR SPILIT	3		II	128
1203	PETROL	3		II	128
1204	NITROGLYCERIN SOLUTION IN ALCOHOL	3		II	127
----	-----	-		--	---

 Confirm  Close

No.	Item	Digit	Format	Explanation
1	UN number		half-sized characters	Search by forward match
2	Proper Shipping Name		characters	Search by partial match
3	Search		button	Execute a search
	List			
4	UN number		(display)	
	Proper Shipping Name		(display)	
	UN classification		(display)	
	Secondary hazard		(display)	
	Packing group		(display)	
	Guideline number		(display)	
5	Close		button	Closes a screen.
6	Confirm		button	Set a selected row.

3) Click a “Confirm” button after selecting the target row.

# NITE-Gmiccs Operating Manual

## Search by Un number

UN number

12

Proper Shipping Name

Search

UN number	Proper Shipping Name	Un classificattion	Secondary hazard	Packing group	Guideline number
1201	FUSEL OIL	3		II	127
1201	FUSEL OIL	3		III	127
1202	GAS OIL	3		III	128
1202	HEATING OIL, LIGHT	3		III	128
1202	DIESEL FUEL	3		III	128
1203	GASOLINE	3		II	128
1203	MOTOR SPILIT	3		II	128
1203	PETROL	3		II	128
1204	NITROGLYCERIN SOLUTION IN ALCOHOL	3		II	127
----	-----	-		--	---

Confirm

Close

## Basic product information

Product number

Required

Product name(Japanese)

Product name(English)

Required

## Basic composition information

UN number

1202

1

Search

Clear

?

Phisical state

Required

?

Note: A UN number and additional information are displayed on the initial screen.

### 2.3.3. Searching product composition information

#### 2.3.3.1. Searching composition information in a list

1) Move to STEP 1 screen.



2) Click a “Search” button after an entry in search conditions in Composition information.  
Confirmation of composition information registered

**Conditions**

CAS number: 1

Product name: 2

Product number: 3

Content percentage: 4 5

Search options: 6 (Including hyphens), 7 (Excluding hyphens), 8 (Partial match of string), 9 (Exact match of string), 10 (Higher), 11 (Lower)

Search button: 12

(4 cases)

	Product number	Product name	Compositions
<input type="checkbox"/>	TST-0001	TST1	11 Update Copy 12
<input type="checkbox"/>	TST-0002	TST2	Update Copy
<input type="checkbox"/>	TST-0011	TST11	Update Copy
<input type="checkbox"/>	TST-0012	TST12	Update Copy

No,	Item	Format	Explanation
1	CAS RN	half-sized characters	Execute a partial match search for a CAS RN with or without hyphen.
2	Product name	characters	Execute a partial or exact match search for a Product name.
3	Product ID	half-sized characters	Execute a partial or exact match search for a Product ID.

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4	Content percentage	Numerical value	Execute a search by the content percentage of a substance.in a mixture(product).
5	Search	button	Executes a search under the search conditions entered.
6	Clear	button	Clears search conditions and a list.
7	Export	button	Exports a list to a CSV file. Please refer to 2.3.3.5 Exporting product information in a CSV file.
8	The number of hits	(display)	Shows the number of hits
	(list)		
9	checkbox	check	Selects the row to be deleted.
	Select all / Release all		Click Select all /Release all button in the header to change between selection and deselection of all rows.
	Deselect	button	Deletes the checked rows. Please refer to 2.3.3.2 Deleting product information.
10	Product name	(display)	
	Product ID	(display)	
11	<i>Update</i>	button	Opens a screen for detailed information for the selected product in a new tab. Please refer to 2.3.3.3 Revising product information.
12	Copy	button	<i>Opens a screen for detailed information</i> for the selected product in a new tab. Please refer to 2.3.3.4 Copying product information.

Note: The maximal number of products shown in a list is 5,000.

### 2.3.3.2. Deleting product information

1) Search data to be deleted. Please refer to 2.3.3.1 Searching composition information in a list.

# NITE-Gmiccs Operating Manual

**Conditions**

CAS number

Product name

Product number

Content percentage

☒ Including hyphens ☐ Excluding hyphens

☒ Partial match of string ☐ Exact match of string

☒ Partial match of string ☐ Exact match of string

☒ Higher ☐ Lower

☒ Search ☐ Clear ☐ Export

1 (4 cases)

3

2

	Product number	Product name	Compositions
<input type="checkbox"/>	TST-0001	TST1	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	TST-0002	TST2	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	TST-0011	TST11	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	TST-0012	TST12	<input type="button" value="Update"/> <input type="button" value="Copy"/>

2) Click “Select all” , No. 1, in the header to delete all data.

Clicking the same button (Release all) deselects all rows. Clicking will change between selection and deselection of all.

Click the check box in each row, No.2, to select one.

**Conditions**

CAS number

Product name

Product number

Content percentage

☒ Including hyphens ☐ Excluding hyphens

☒ Partial match of string ☐ Exact match of string

☒ Partial match of string ☐ Exact match of string

☒ Higher ☐ Lower

☒ Search ☐ Clear ☐ Export

(5 cases)

Release all Delete

	Product number	Product name	Compositions
<input checked="" type="checkbox"/>	01_NITE-ghs-chemical sample	Flammable gas	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input checked="" type="checkbox"/>	02_NITE-ghs-chemical sample	Oxidizing gas	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input checked="" type="checkbox"/>	Mixture-00001	Painting sample1	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input checked="" type="checkbox"/>	Mixture-00002	Painting sample2	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input checked="" type="checkbox"/>	U0000000009	TEST	<input type="button" value="Update"/> <input type="button" value="Copy"/>

3) Clicking “Delete” button displays a confirmation popup.

The record will be deleted after clicking a “Yes” button. Pressing a “No” button closes the popup.

## NITE-Gmiccs Operating Manual

**Conditions**

CAS number

Product name

Product number

Content percentage

☐ Including hyphens ☐ Excluding hyphens

☐ Partial match of string ☐ Exact match of string

☐ Partial match of string ☐ Exact match of string

☐ Higher ☐ Lower

(5 cases)

**Product number**

<input type="checkbox"/>	01_NITE-ghs-chemical sample		
<input type="checkbox"/>	02_NITE-ghs-chemical sample	Oxidizing gas	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	Mixture-00001	Painting sample1	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	Mixture-00002	Painting sample2	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input checked="" type="checkbox"/>	U0000000009	TEST	<input type="button" value="Update"/> <input type="button" value="Copy"/>

4) After the deleting product information, search it again to see a list.

**Conditions**

CAS number

Product name

Product number

Content percentage

☐ Including hyphens ☐ Excluding hyphens

☐ Partial match of string ☐ Exact match of string

☐ Partial match of string ☐ Exact match of string

☐ Higher ☐ Lower

(2 cases)

**Product number**  **Product name**

**Compositions**

<input type="checkbox"/>	TST-0001	TST1	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	TST-0002	TST2	<input type="button" value="Update"/> <input type="button" value="Copy"/>

## 2.3.3.3. Revising product information

- 1) Search data to be revised. Please refer to 2.3.3.1 Searching composition information in a list.  
Click a “Update” button for the record to be revised.

**Conditions**

CAS number  ☒ Including hyphens ☐ Excluding hyphens

Product name  ☒ Partial match of string ☐ Exact match of string

Product number  ☒ Partial match of string ☐ Exact match of string

Content percentage  ☒ Higher ☐ Lower

(2 cases) Search Clear Export

	Product number	Product name	Compositions
<input type="checkbox"/>	TST-0001	TST1	<span>Update</span> <span>Copy</span>
<input type="checkbox"/>	TST-0002	TST2	<span>Update</span> <span>Copy</span>

- 2) A new screen for detailed information will be shown in a new tab.

A list will be shown in a tab 1, and a tab 2 is for a new entry. It is possible to open multiple screens.

Product composition information

**Basic product information**

Product number Required

Product name(Japanese)

Product name(English) Required

**Basic composition information**

UN number   Search Clear ?

Physical state Required  ?

Flash point  ?

Initial boiling point  ?

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You cannot revise the registered information after coming from 2.5.1.1. Confirming composition information or 2.6.1.1. Checking composition information

**Basic product information**

Product ID **Required**

Product name(Japanese)

Product name(English) **Required**

**Basic composition information**

UN number

Physical state **Required**

Flash point  °C

Initial boiling point  °C

Kinematic viscosity  mm2/s

3) You can revise items except for the key item, a Product ID.

Please refer to the following for the content of revision.

2.3.2 Entering composition information of mixture (product) one by one

2.3.2.1 Search a UN number

4) Click an “Update” button after revision.

A completion message will be displayed on the right top corner.

An error message will be shown when there is an error.

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**Compositions**

Confirmation of conversion rate

Delete	Substance ID	Cas No	Reference	Chemical Name	Content rate	Conversion rate	Ghs auto classification
<input type="button" value="Delete"/>	GEN-2158	95-54-5	NITE	o-Phenylenediamine	<input type="text" value="60"/>	<input type="text" value="75"/>	<input type="button" value="Detail"/>
<input type="button" value="Delete"/>	GEN-2159	108-45-2	NITE	m-Phenylenediamine	<input type="text" value="20"/>	<input type="text" value="25"/>	<input type="button" value="Detail"/>



Note: A screen remains open after the completion. Please click X for a tab to close the screen.

### 2.3.3.4. Copying product information.

1) Search previously registered product information. Please refer to 2.3.3.1 Searching composition information in a list.

Click a “Copy” button for the target record to be copied in a list.

The screenshot displays the NITE-Gmiccs search interface. At the top, under the 'Conditions' section, there are input fields for 'CAS number', 'Product name', 'Product number', and 'Content percentage'. To the right of these fields are radio button options for 'Including hyphens' (selected) and 'Excluding hyphens', and for 'Partial match of string' (selected) and 'Exact match of string'. Below the input fields, there are buttons for 'Search', 'Clear', and 'Export'. Below the buttons, a table shows search results. The table has columns for 'Product number', 'Product name', and 'Compositions'. The first row shows 'TST-0001' and 'TST1'. The second row shows 'TST-0002' and 'TST2'. In the 'Compositions' column, there are 'Update' and 'Copy' buttons for each row. The 'Copy' buttons are highlighted with a red rectangle.

	Product number	Product name	Compositions
<input type="checkbox"/>	TST-0001	TST1	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	TST-0002	TST2	<input type="button" value="Update"/> <input type="button" value="Copy"/>

2) A new screen for detailed information will be shown in a new tab.

A list will be shown in a tab 1, and a tab 2 is for a new entry. It is possible to open multiple screens.

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The screenshot displays the NITE-Gmiccs web application interface. At the top, a browser window shows two tabs, both labeled 'Gmiccs'. The first tab is marked with a red '1' and the second with a red '2'. The address bar shows the URL: <https://www.ghs.nite.go.jp/compositionInformation/en/Edit/Copy/TST-0002>. Below the browser window, the NITE logo and name are visible, along with a navigation menu containing links: 'How to use', 'Registered substances', 'Classification Logic', 'About SDS', 'FAQ', 'Contact us', and 'Related information'. The page title is 'NITE-Gmiccs' and the version is 'Version 1.0.7.2'. The main content area is titled 'Product composition information' and contains two sections: 'Basic product information' and 'Basic composition information'. The 'Basic product information' section includes fields for 'Product number' (marked 'Required'), 'Product name(Japanese)' (containing 'ですと2'), and 'Product name(English)' (marked 'Required' and containing 'TST2'). The 'Basic composition information' section includes fields for 'UN number', 'Physical state' (marked 'Required' and set to 'Solid'), 'Flash point', 'Initial boiling point', and 'Kinematic viscosity'. Each of these fields has a corresponding input box, a unit indicator (°C or mm2/s), and a help icon (?). A 'Search' button and a 'Clear' button are also present next to the 'UN number' field.

Product composition information

**Basic product information**

Product number Required

Product name(Japanese)

Product name(English) Required

**Basic composition information**

UN number   Search Clear ?

Physical state Required  ?

Flash point  °C ?

Initial boiling point  °C ?

Kinematic viscosity  mm2/s ?

3) Information for the target record will be shown except for a Product ID.

Enter a Product ID for new entry.

Please refer to the following for the content of revision.

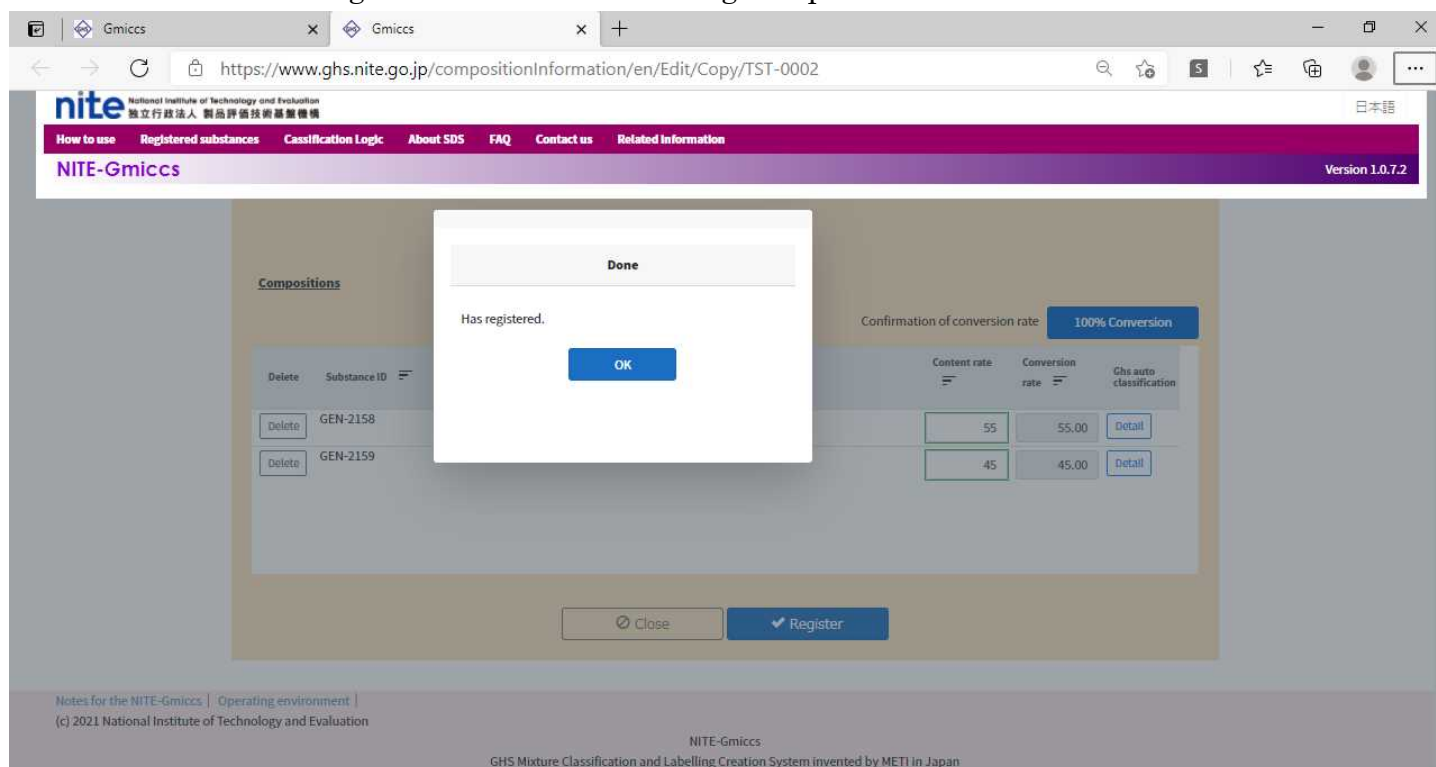
2.3.2 Entering composition information one by one

2.3.2.1 Search a UN number

4) Click “Register” button after revision.

A completion message will be displayed. Press “OK” button to close a popup.

An error message will be shown in the right top corner when there is an error.



## 2.3.3.5. Exporting product information in a CSV file

1) Search product information. Please refer to 2.3.3.1 Searching composition information in a list.

Click an “Export” button.

**Conditions**

CAS number  ☒ Including hyphens ☐ Excluding hyphens

Product name  ☒ Partial match of string ☐ Exact match of string

Product number  ☒ Partial match of string ☐ Exact match of string

Content percentage  ☒ Higher ☐ Lower

(3 cases)

	Product number	Product name	Compositions
<input type="checkbox"/>	TST-0001	TST1	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	TST-0002	TST2	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	TST-0003	TST2	<input type="button" value="Update"/> <input type="button" value="Copy"/>

2) Data displayed in a list will be exported in a CSV file.

Click and open the exported file.

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(3 cases)

	Product number	Product name	Compositions
<input type="checkbox"/>	TST-0001	TST1	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	TST-0002	TST2	<input type="button" value="Update"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	TST-0003	TST2	<input type="button" value="Update"/> <input type="button" value="Copy"/>

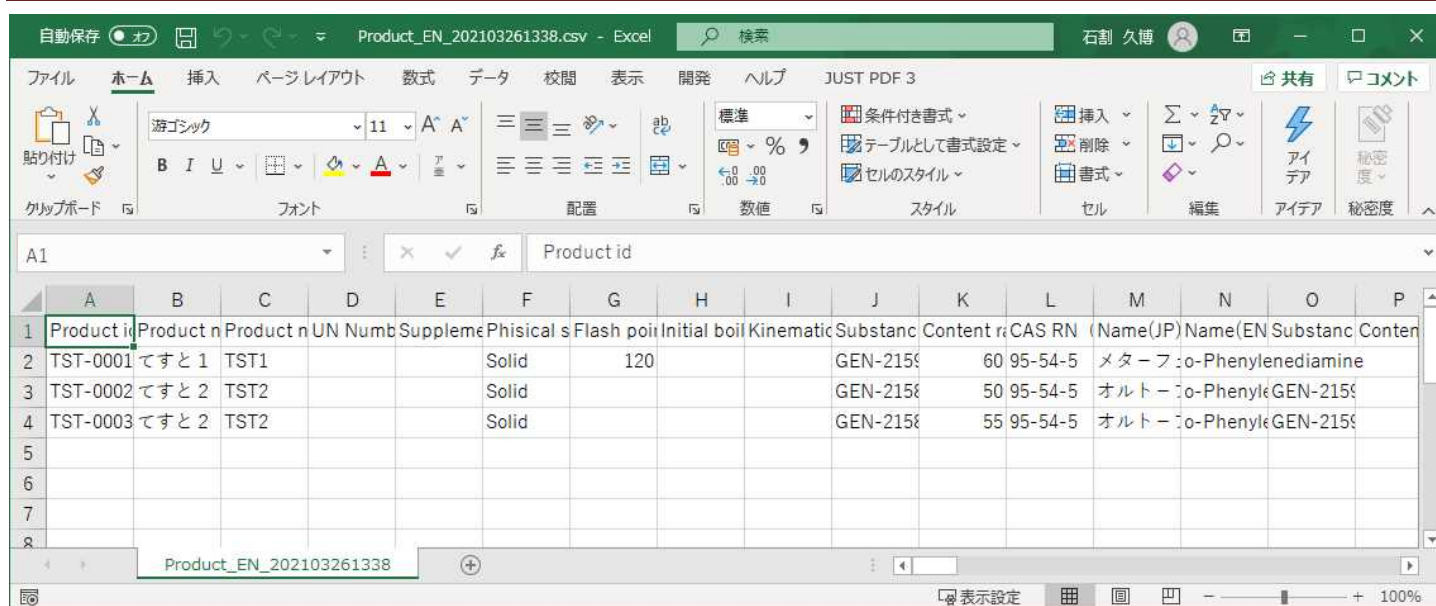
Notes for the NITE-Gmiccs | Operating environment |  
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Product\_EN\_2021032....csv  
ファイルを開く

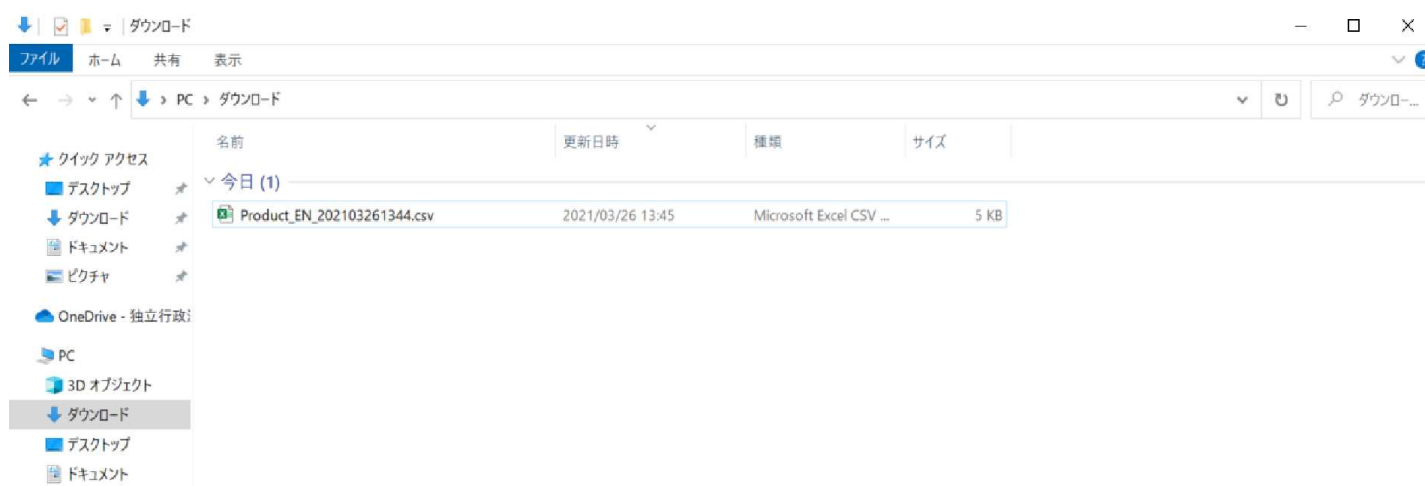
すべて表示

3) Microsoft Excel will be launched, and the file will be opened.

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4) An exported file is stored in a download folder in your device.



Note: An exported file will be named as Product + Language + date and time of output (yyyymmddhhnn). csv

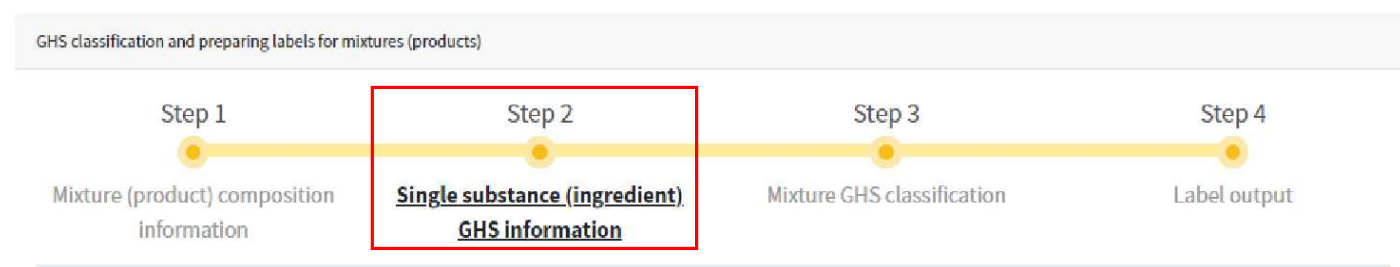
e.g.: Product\_EN\_202104011342.csv if exported at 13:42, April 1, 2021

## 2.4. STEP 2 Managing substance information

Missing substance information is displayed in a list among previously registered product composition information. You can register missing information from a file at once or from a screen one by one.

### 2.4.1. Checking missing information.

1) Move to STEP 2 screen.



2) Click a “Confirm lacking information” button.

A list of substances whose information is lacking is shown in addition to the number of records.

Step2 Confirm and enter information on a single chemical substance that lacks component information

Confirmation of chemical substance for which information is lacking among the registered mixture (product) composition information

**Deficiency data**  
(12 cases)

Substance ID	CAS RN	Product ID	Product name
124	1313-13-9	Mixture-00002	Painting sample2
1794	7784-38-5	Mixture-00002	Painting sample2
3		Mixture-00002	Painting sample2
CAS-9003-01-4		Mixture-00001	Painting sample1
GEN-0459	10024-97-2	02_NITE-ghs-chemical sample	Oxidizing gas
GEN-1000	1333-74-0	01_NITE-ghs-chemical sample	Flammable gas
GEN-1175	74-82-8	01_NITE-ghs-chemical sample	Flammable gas
GEN-1770	7782-44-7	02_NITE-ghs-chemical sample	Oxidizing gas
GEN-1849	7440-59-7	01_NITE-ghs-chemical sample	Flammable gas
GEN-1849	7440-59-7	02_NITE-ghs-chemical sample	Oxidizing gas
GEN-1925	7440-37-1	01_NITE-ghs-chemical sample	Flammable gas
m-nite-13463-67-7	13463-67-7	Mixture-00001	Painting sample1

Confirm lacking information\*

Export

Note: You cannot move to STEP 3 screen if there is missing information for substances.

# NITE-Gmiccs Operating Manual

A message of “Lacking information does not exist” will appear if applicable.

Step2 Confirm and enter information on a single chemical substance that lacks component information

Confirmation of chemical substance for which information is lacking among the registered mixture (product) composition information

ⓘ lacking information does not exist. ✕

## Deficiency data

(0 cases)

Substance ID	CAS RN	Product ID	Product name

Confirm lacking information\*

Export

## 2.4.2. Exporting missing information in a CSV file.

- 1) Search missing substance information. Please refer to 2.4.1 Checking missing information.  
Click an “Export” button.

Step2 Confirm and enter information on a single chemical substance that lacks component information

Confirmation of chemical substance for which information is lacking among the registered mixture (product) composition information

### Deficiency data

(12 cases)

Substance ID	CAS RN	Product ID	Product name
124	1313-13-9	Mixture-00002	Painting sample2
1794	7784-38-5	Mixture-00002	Painting sample2
3		Mixture-00002	Painting sample2
CAS-9003-01-4		Mixture-00001	Painting sample1
GEN-0459	10024-97-2	02_NITE-ghs-chemical sample	Oxidizing gas
GEN-1000	1333-74-0	01_NITE-ghs-chemical sample	Flammable gas
GEN-1175	74-82-8	01_NITE-ghs-chemical sample	Flammable gas
GEN-1770	7782-44-7	02_NITE-ghs-chemical sample	Oxidizing gas
GEN-1849	7440-59-7	01_NITE-ghs-chemical sample	Flammable gas
GEN-1849	7440-59-7	02_NITE-ghs-chemical sample	Oxidizing gas
GEN-1925	7440-37-1	01_NITE-ghs-chemical sample	Flammable gas
m-nite-13463-67-7	13463-67-7	Mixture-00001	Painting sample1

Confirm lacking information\*

Export

- 2) Data displayed in a list will be exported in a CSV file.  
Click and open the exported file.

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Step2 Confirm and enter information on a single chemical substance that lacks component information

Confirmation of chemical substance for which information is lacking among the registered mixture (product) composition information

### Deficiency data

(12 cases)

Substance ID	CAS RN	Product ID	Product name
124	1313-13-9	Mixture-00002	Painting sample2
1794	7784 38 5	Mixture 00002	Painting sample2
3		Mixture-00002	Painting sample2
CAS-9003-01-4		Mixture-00001	Painting sample1
GEN-0459	10024-97-2	02_NITE-ghs-chemical sample	Oxidizing gas
GEN-1000	1333-74-0	01_NITE-ghs-chemical sample	Flammable gas
GEN-1175	74-82-8	01_NITE-ghs-chemical sample	Flammable gas
GEN-1770	7782-44-7	02_NITE-ghs-chemical sample	Oxidizing gas
GEN-1849	7440-59-7	01_NITE-ghs-chemical sample	Flammable gas
GEN-1849	7440-59-7	02_NITE-ghs-chemical sample	Oxidizing gas
GEN-1925	7440-37-1	01_NITE-ghs-chemical sample	Flammable gas
m-nite-13463-67-7	13463-67-7	Mixture-00001	Painting sample1

Confirm lacking information\*

Export

Deficiency\_EN\_202105111013.csv で行う操作を選...

開く

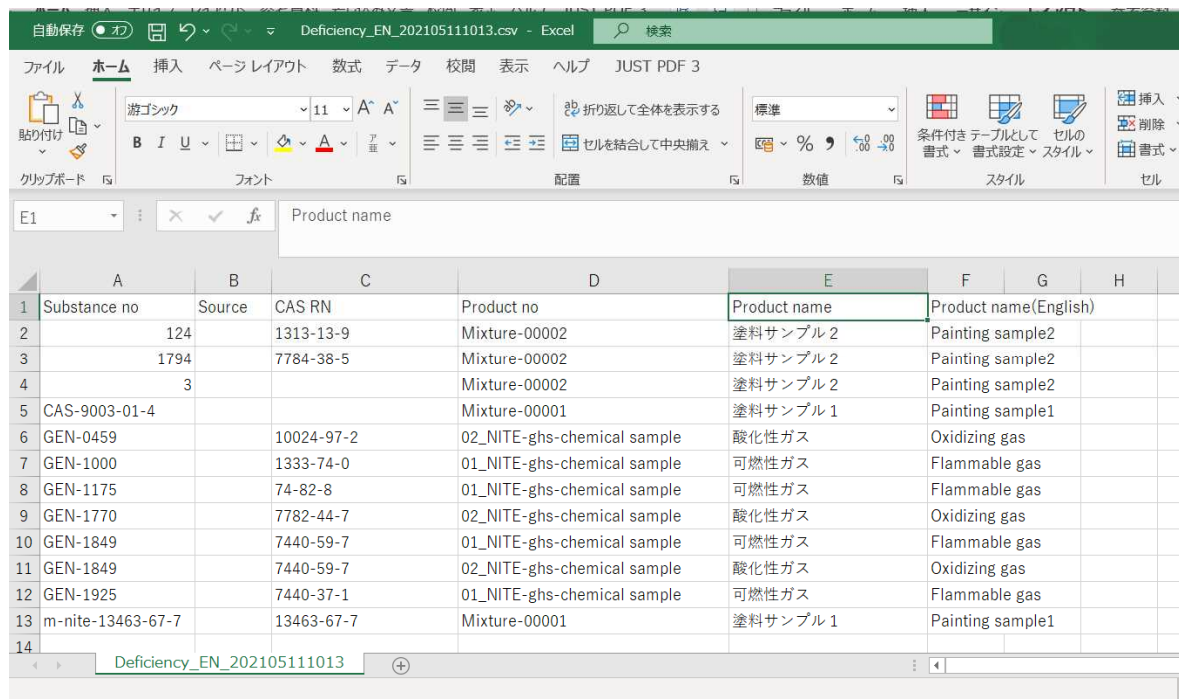
名前を付...

ion of each component from the following, if the information is insufficient.



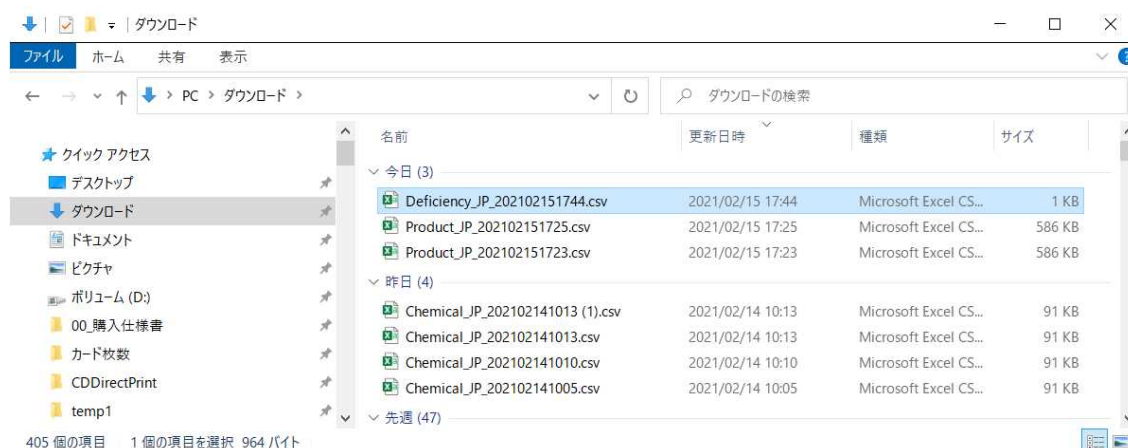
## NITE-Gmiccs Operating Manual

3) Microsoft Excel will be launched, and the file will be opened.



	A	B	C	D	E	F	G	H
1	Substance no	Source	CAS RN	Product no	Product name	Product name(English)		
2	124		1313-13-9	Mixture-00002	塗料サンプル 2	Painting sample2		
3	1794		7784-38-5	Mixture-00002	塗料サンプル 2	Painting sample2		
4	3			Mixture-00002	塗料サンプル 2	Painting sample2		
5	CAS-9003-01-4			Mixture-00001	塗料サンプル 1	Painting sample1		
6	GEN-0459		10024-97-2	02_NITE-ghs-chemical sample	酸化性ガス	Oxidizing gas		
7	GEN-1000		1333-74-0	01_NITE-ghs-chemical sample	可燃性ガス	Flammable gas		
8	GEN-1175		74-82-8	01_NITE-ghs-chemical sample	可燃性ガス	Flammable gas		
9	GEN-1770		7782-44-7	02_NITE-ghs-chemical sample	酸化性ガス	Oxidizing gas		
10	GEN-1849		7440-59-7	01_NITE-ghs-chemical sample	可燃性ガス	Flammable gas		
11	GEN-1849		7440-59-7	02_NITE-ghs-chemical sample	酸化性ガス	Oxidizing gas		
12	GEN-1925		7440-37-1	01_NITE-ghs-chemical sample	可燃性ガス	Flammable gas		
13	m-nite-13463-67-7		13463-67-7	Mixture-00001	塗料サンプル 1	Painting sample1		
14								

4) An exported file is stored in a download folder in your device.



Note: An exported file will be named as Product + Language + date and time of output (yyyymmddhhnn). csv

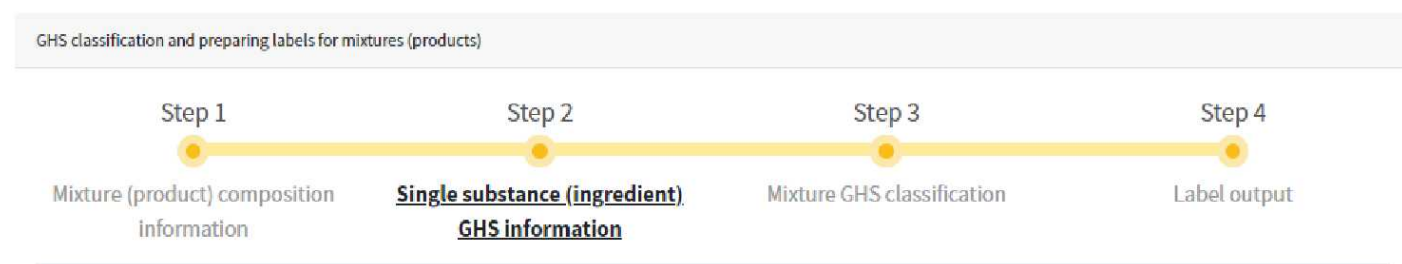
e.g.: Product\_EN\_202104011342.csv if exported at 13:42, April 1, 2021

## 2.4.3. Searching substance information

Register or revise information for substances listed as those with missing information.

### 2.4.3.1. Searching substance information in a list

1) Move to STEP 2 screen.



2) Search substances in a substance list.

Click a “Search” button after entering the search conditions.

\*Enter the GHS information of each component from the following, if the information is insufficient.

**List of registered chemical substances**

Substance ID  ☐ Partial match of string ☐ Exact match of string

Chemical Name  ☐ Partial match of string ☐ Exact match of string

CAS RN  ☐ Including hyphens ☐ Excluding hyphens

Source

8

5 Search 6 Clear 7 Export

9 (119 cases) 10

	Substance ID	CAS RN	Source	Chemical Name	Ghs auto classification
<input type="checkbox"/>	m-nite-100-14-1	100-14-1	NITE	1-(Chloromethyl)-4-nitrobenzene	<a href="#">Detail</a> <a href="#">Copy</a> 12
<input type="checkbox"/>	m-nite-100-17-4	100-17-4	NITE	*p-Methoxynitrobenzene	<a href="#">Detail</a> <a href="#">Copy</a> 1 1
<input type="checkbox"/>	m-nite-100-18-5	100-18-5	NITE	*1,4-Diisopropylbenzene	<a href="#">Detail</a> <a href="#">Copy</a>

No.	Item	Format	Explanation
1	Substance ID	half-sized characters	Execute a partial or exact match search for a Substance ID.
2	Substance name	characters	Execute a partial or exact match search for a Chemical substance name.
3	CAS RN	half-sized characters	Execute a partial match search for a CAS RN with or without hyphen.

## NITE-Gmiccs Operating Manual

4	Source	list	Select one from registered sources or execute an exact match search by source entered.
5	Search	button	Executes a search under the search conditions entered.
6	Clear	button	Clears search conditions and a list.
7	Export	button	Exports data in a list in a CSV file. Please refer to 2.4.3.5 Exporting substance information in a CSV file.
8	The number of hits	(display)	Shows the number of hits.
9	Checkbox	check	Selects the row to be deleted
	Select all / Release all	button	Click Select all /Release all button in the header to change between selection and deselection of all rows.
	Deleted the selected		Deletes the checked row. Please refer to 2.4.3.4 Deleting substance information.
10	Substance ID	(display)	
	CAS RN	(display)	
	Reference	(display)	
	Substance name	(display)	
11	Detail	button	Opens a screen for detailed information for Substance ID selected in a new tab. Please refer to 2.4.3.3 Revising (referring to) substance information.
12	Copy	button	Opens a screen for detailed information for Substance ID selected in a new tab. Please refer to 2.4.3.2 Copying and registering substance information.

Note: Target data for a search are common substance information (information registered by NITE) and data that you registered.

Note: The maximal number of hits is 5,000 in searching for substances.

## 2.4.3.2. Copying and registering substance information.

1) Search substance information. Please refer to 2.4.3.1. Searching substance information in a list.

Click a “Copy” button for data to be copied.

\*Enter the GHS information of each component from the following, if the information is insufficient.

**List of registered chemical substances**

Substance ID:  ☒ Partial match of string ☐ Exact match of string

Chemical Name:  ☒ Partial match of string ☐ Exact match of string

CAS RN:  ☒ Including hyphens ☐ Excluding hyphens

Reference:

(100 cases)

Select all	Delete	Substance ID	CAS RN	Reference	Chemical Name	Ghs auto classification
<input type="checkbox"/>		GEN-2252	100-53-8	NITE	*Phenylmethanethiol; Benzenemethanethiol	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>		GEN-2286	100-68-5	NITE	*Thioanisole	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>		GEN-2298	101-43-9	NITE	*Cyclohexyl methacrylate	<input type="button" value="Detail"/> <input type="button" value="Copy"/>

2) A screen for detailed substance information is opened in a new tab, different from that for a list.

A tab 1 is for a list, and a tab 2 is for a screen for registering the new. It is possible to open multiple tabs.

Browser tabs: Gmiccs x Gmiccs x + 2

URL: <https://www.ghs.nite.go.jp/public/chemical/en/m/copy/71374>

**nite** National Institute of Technology and Evaluation  
独立行政法人 製品評価技術基盤機構

How to use Registered substances Classification Logic About SDS FAQ Contact us Related information

**NITE-Gmiccs** Version 1.0.8.1

Basis information of substance (Copy)

**Substance information**

Substance ID **Required**

CAS registry number (CAS RN)

Substance name (Japanese)

Substance name (English) **Required**

Reference

**Required information for mixture GHS classification**

Coefficient of nitrogen equivalency  ⓘ

Coefficient of oxygen equivalency  ⓘ

pH  ⓘ

Maximum concentration of the flammable gas  ⓘ

Minimum concentration of the flammable gas  ⓘ

Acid (pH ≤ 2) ☐ Applicable

3) Information for data selected is shown except for a key item.

Enter a key item, substance ID.

As for revising entries (error), please refer to the following.

2.4.5 Registering substance information one by one

2.4.5.1 Revising specific target organ toxicity

The screenshot shows the 'Substance information' registration form. A red box highlights the 'Substance ID' field, which is labeled 'Required' and contains the value 'PUB-0002'. To the right of this field is a blue 'Register' button with a checkmark icon. Below the Substance ID field, there are several other input fields: 'CAS registry number (CAS RN)' with the value '104-87-0', 'Substance name(Japanese)' with the value 'パラ-トリルアルデヒド', 'Substance name(English)' labeled 'Required' with the value '\*p-Tol y l aldehyde', and 'Source' with the value 'NITE'.

e.g.: Register information after entering a Substance ID.

4) Click a “Register” button after revision.

A message for completion of registration is shown. Click an “OK” button to close a popup.

An error message will be displayed in the right top corner when there is an error in an entry.

The screenshot shows the NITE-Gmiccs website interface. A white popup window is centered on the screen with the title 'Done'. Inside the popup, it says 'Has registered.' and has a blue 'OK' button. The background shows the 'Substance information' form, which is partially obscured by the popup. The website header includes the NITE logo, navigation links like 'How to use', 'Registered substances', and 'Version 1.0.8.1'.

## 2.4.3.3. Revising (referring to) substance information.

- 1) Search data to be revised. Please refer to 2.4.3.1. Searching substance information in a list.  
Click a “Detail” button to be revised.

\*Enter the GHS information of each component from the following, if the information is insufficient.

**List of registered chemical substances**

Substance ID:  ☒ Partial match of string ☐ Exact match of string

Chemical Name:  ☒ Partial match of string ☐ Exact match of string

CAS RN:  ☒ Including hyphens ☐ Excluding hyphens

Reference:

(100 cases)

Select all	Delete	Substance ID	CAS RN	Reference	Chemical Name	Ghs auto classification
<input type="checkbox"/>		GEN-2252	100-53-8	NITE	*Phenylmethanethiol; Benzenemethanethiol	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>		GEN-2286	100-68-5	NITE	*Thioanisole	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>		GEN-2298	101-43-9	NITE	*Cyclohexyl methacrylate	<input type="button" value="Detail"/> <input type="button" value="Copy"/>

- 2) A screen for detailed substance information in a new tab, different from that for a list.

A tab 1 is for a list, and a tab 2 is for a screen for registering the new. It is possible to open multiple tabs.

1 2

<https://www.ghs.nite.go.jp/public/chemical/en/p/update/04650>

NITE-Gmiccs Version 1.0.8.1

Basis information of substance (Update)

**Substance information**

Substance ID **Required**

CAS registry number (CAS RN)

Substance name(Japanese)

Substance name(English) **Required**

Reference

**Required information for mixture GHS classification**

Coefficient of nitrogen equivalency  ?

Coefficient of oxygen equivalency  ?

pH  ?

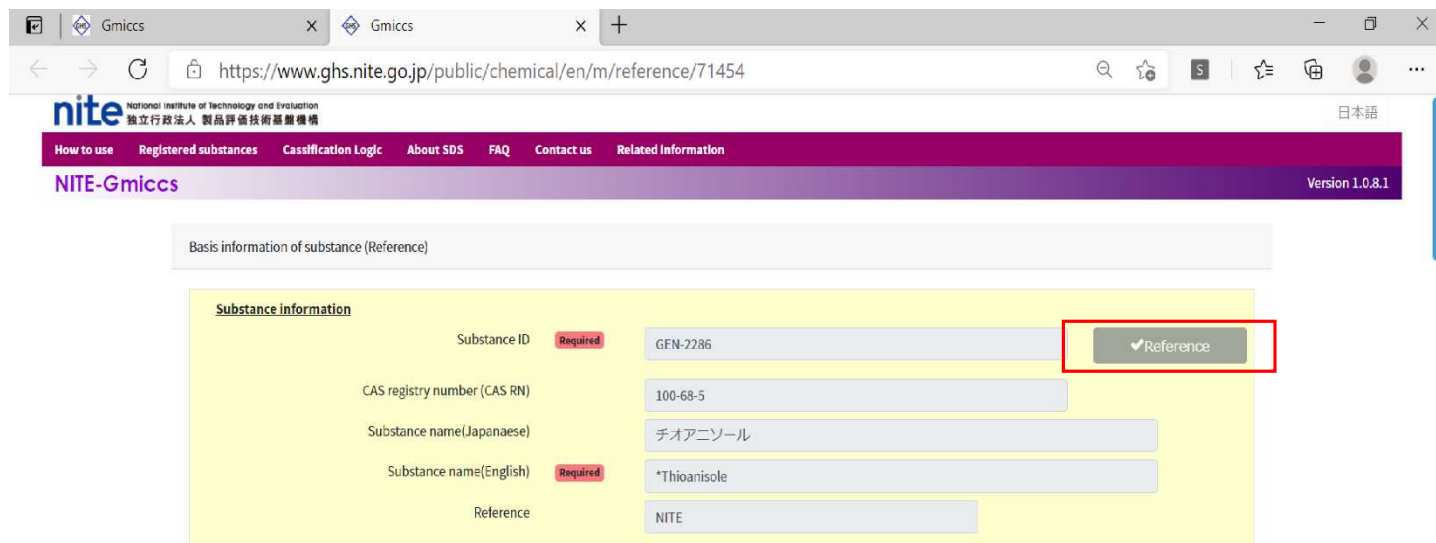
Maximum concentration of the flammable gas  ?

Minimum concentration of the flammable gas  ?

Note: You can update only data that you registered.

# NITE-Gmiccs Operating Manual

Master information in the system can be seen as reference.



Browser tabs: Gmiccs, Gmiccs

Address bar: <https://www.ghs.nite.go.jp/public/chemical/en/m/reference/71454>

Navigation bar: nite National Institute of Technology and Evaluation 独立行政法人 製品評価技術基盤機構 日本語

Menu: How to use Registered substances Classification Logic About SDS FAQ Contact us Related Information

NITE-Gmiccs Version 1.0.8.1

Basis information of substance (Reference)

Substance information

Substance ID	Required	GEN-2286	✓ Reference
CAS registry number (CAS RN)		100-68-5	
Substance name (Japanese)		テオアニソール	
Substance name (English)	Required	*Thioanisole	
Reference		NITE	

Note: Common chemical substance information (information registered by NITE) cannot be updated

3) You can edit other except a key item (substance ID).

As for revising entries (error), please refer to the following.

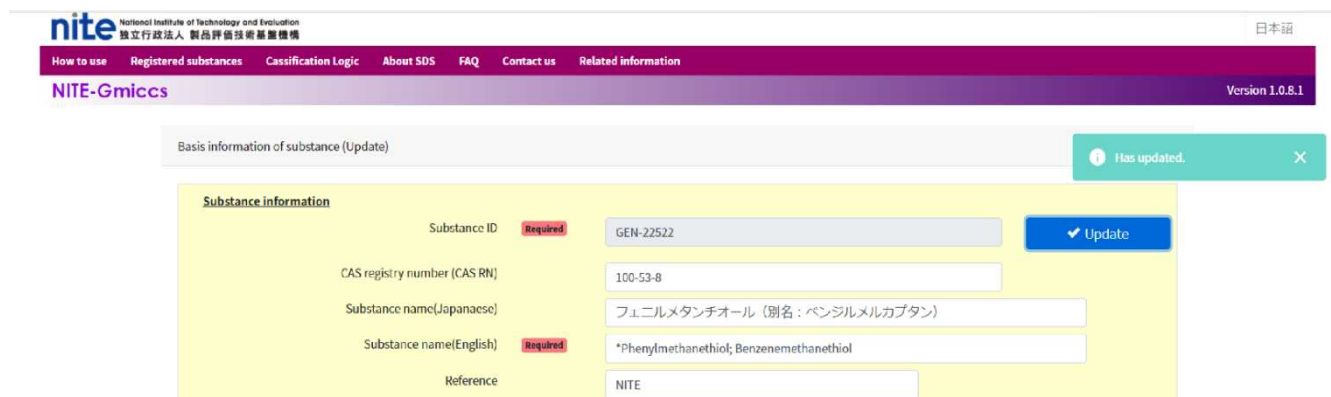
2.4.5 Registering substance information one by one

2.4.5.1 Revising specific target organ toxicity

4) Click a “Update” button after revision.

A message for completion of registration is shown. Click an “OK” button to close a popup.

An error message will be displayed in the right top corner when there is an error in an entry.



Navigation bar: nite National Institute of Technology and Evaluation 独立行政法人 製品評価技術基盤機構 日本語

Menu: How to use Registered substances Classification Logic About SDS FAQ Contact us Related information

NITE-Gmiccs Version 1.0.8.1

Basis information of substance (Update)

Substance information

Substance ID	Required	GEN-22522	✓ Update
CAS registry number (CAS RN)		100-53-8	
Substance name (Japanese)		フェニルメタンチオール (別名: ベンジルメルカプタン)	
Substance name (English)	Required	*Phenylmethanethiol; Benzenemethanethiol	
Reference		NITE	

Has updated. X

Note: A screen remains open after the update. Please click X for a tab to close the screen.



#### 2.4.3.4. Deleting substance information.

1) Search data to be deleted. Please refer to 2.4.3.1. Searching substance information in a list.

**List of registered chemical substances**

Substance ID  ☒ Partial match of string ☐ Exact match of string

Chemical Name  ☒ Partial match of string ☐ Exact match of string

CAS RN  ☒ Including hyphens ☐ Excluding hyphens

Reference

(102 cases)

**1** [Select all](#) [Delete](#) **3**

Substance ID	CAS RN	Reference	Chemical Name	Ghs auto classification
GEN-2247	62-23-7	NITE	p-Nitrobenzoic acid	<a href="#">Detail</a> <a href="#">Copy</a>
GEN-2248	62-23-7	NITE	p-Nitrobenzoic acid	<a href="#">Detail</a> <a href="#">Copy</a>
GEN-2249	88-75-5	NITE	*o-Nitrophenol	<a href="#">Detail</a> <a href="#">Copy</a>
GEN-22492	88-75-5	NITE	*o-Nitrophenol	<a href="#">Detail</a> <a href="#">Copy</a>

**2**

Note: You can delete only data that you registered.

Common chemical information (information registered by NITE) cannot be deleted.

2) Click “Select all” in the header, No. 1, when you delete all data.

Clicking it (Release all) again deselects all. Clicking will change between selection and deselection of all.

Click the checkbox in each row, No.2, to select one.



**List of registered chemical substances**

Substance ID  ☒ Partial match of string ☐ Exact match of string

Chemical Name  ☒ Partial match of string ☐ Exact match of string

CAS RN  ☒ Including hyphens ☐ Excluding hyphens

Reference

(11 cases)

	Substance ID	CAS RN	Reference	Chemical Name	Ghs auto classification
<input type="checkbox"/>	GEN-2244	135-20-6	NITE	Ammonium N-nitrosophenylhydroxylamine	<a href="#">Detail</a> <a href="#">Copy</a>
<input type="checkbox"/>	GEN-2245	123-07-9	NITE	*4-Ethylphenol	<a href="#">Detail</a> <a href="#">Copy</a>
<input type="checkbox"/>	GEN-2246	83-67-0	NITE	*0	<a href="#">Detail</a> <a href="#">Copy</a>
<input type="checkbox"/>	GEN-2247	2416-94-6	NITE	*2,3,6-Trimethylphenol	<a href="#">Detail</a> <a href="#">Copy</a>
<input type="checkbox"/>	GEN-2248	62-23-7	NITE	p-Nitrobenzoic acid	<a href="#">Detail</a> <a href="#">Copy</a>
<input type="checkbox"/>	GEN-2249	88-75-5	NITE	*o-Nitrophenol	<a href="#">Detail</a> <a href="#">Copy</a>
<input checked="" type="checkbox"/>	GEN-22492	88-75-5	NITE	*o-Nitrophenol	<a href="#">Detail</a> <a href="#">Copy</a>

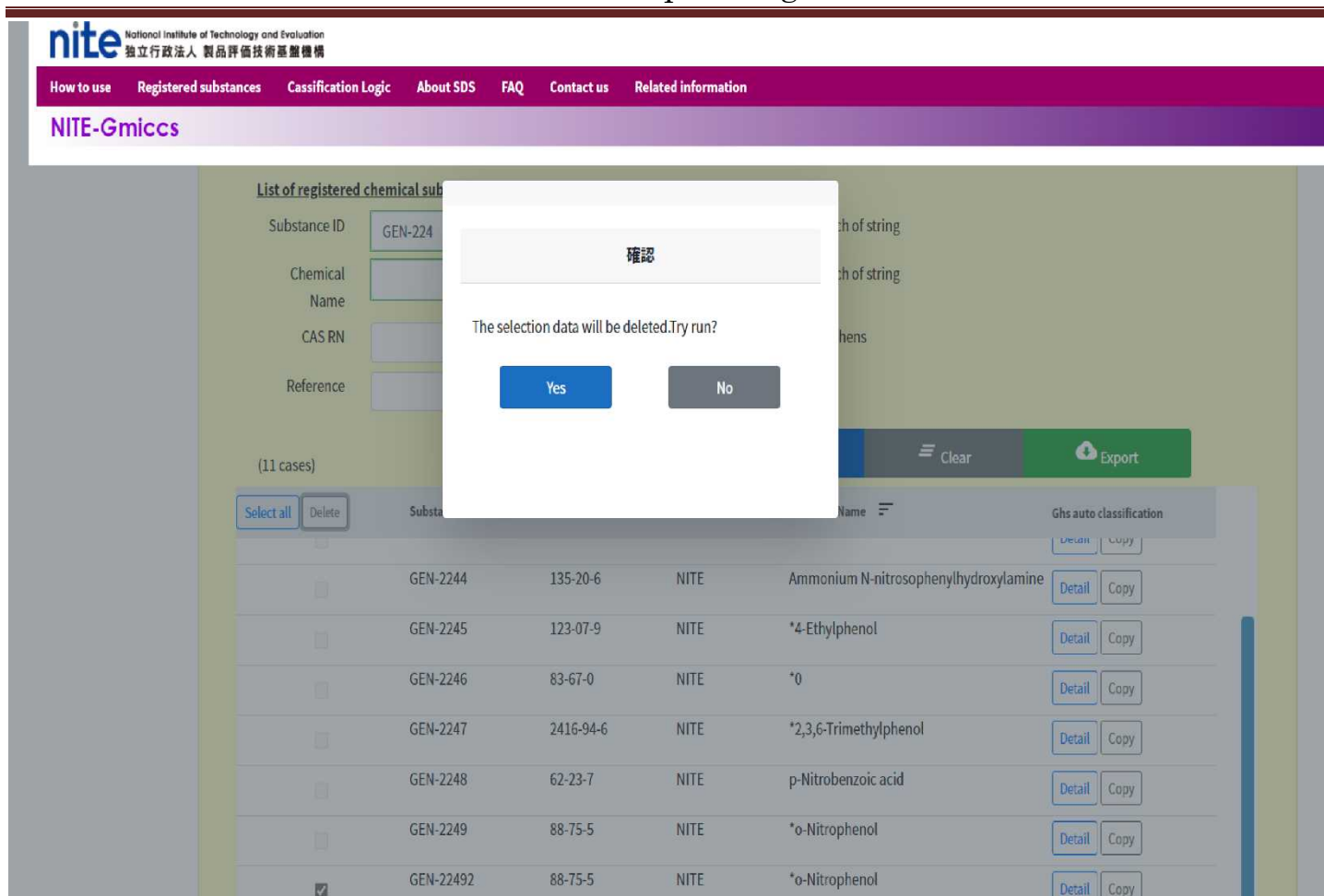
Note: You can delete only data that you registered.

You cannot click the checkbox for common substance information (information registered by NITE).

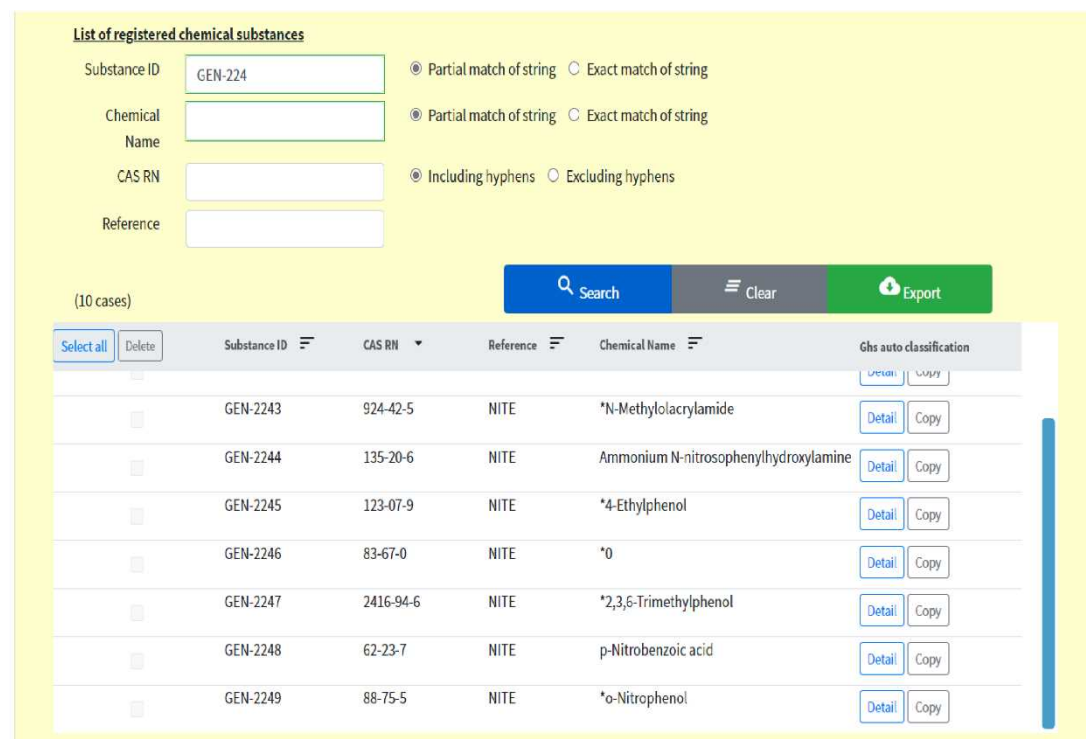
3) Clicking “Delete” will open a confirmation popup.

Click a “Yes” button to delete the selected. Click a “No” button will close the popup.

# NITE-Gmiccs Operating Manual



4) After deletion, search substances again to show a list.



### 2.4.3.5. Exporting substance information in a CSV file.

1) Search substance information. Please refer to 2.4.3.1. Searching substance information in a list.

Click an “Export” button.

**List of registered chemical substances**

Substance ID:  ☒ Partial match of string ☐ Exact match of string

Chemical Name:  ☒ Partial match of string ☐ Exact match of string

CAS RN:  ☒ Including hyphens ☐ Excluding hyphens

Reference:

(10 cases)

Select all	Delete	Substance ID	CAS RN	Reference	Chemical Name	Ghs auto classification
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2243	924-42-5	NITE	*N-Methylolacrylamide	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2244	135-20-6	NITE	Ammonium N-nitrosophenylhydroxylamine	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2245	123-07-9	NITE	*4-Ethylphenol	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2246	83-67-0	NITE	*0	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2247	2416-94-6	NITE	*2,3,6-Trimethylphenol	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2248	62-23-7	NITE	p-Nitrobenzoic acid	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2249	88-75-5	NITE	*o-Nitrophenol	<input type="button" value="Detail"/> <input type="button" value="Copy"/>

2) Data shown in a list will be exported in a CSV file.

Click and open an exported file.

Substance ID:  ☒ Partial match of string ☐ Exact match of string

Chemical Name:  ☒ Partial match of string ☐ Exact match of string

CAS RN:  ☒ Including hyphens ☐ Excluding hyphens

Reference:

(10 cases)

Select all	Delete	Substance ID	CAS RN	Reference	Chemical Name	Ghs auto classification
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2243	924-42-5	NITE	*N-Methylolacrylamide	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2244	135-20-6	NITE	Ammonium N-nitrosophenylhydroxylamine	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2245	123-07-9	NITE	*4-Ethylphenol	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2246	83-67-0	NITE	*0	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2247	2416-94-6	NITE	*2,3,6-Trimethylphenol	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2248	62-23-7	NITE	p-Nitrobenzoic acid	<input type="button" value="Detail"/> <input type="button" value="Copy"/>
<input type="checkbox"/>	<input type="checkbox"/>	GEN-2249	88-75-5	NITE	*o-Nitrophenol	<input type="button" value="Detail"/> <input type="button" value="Copy"/>

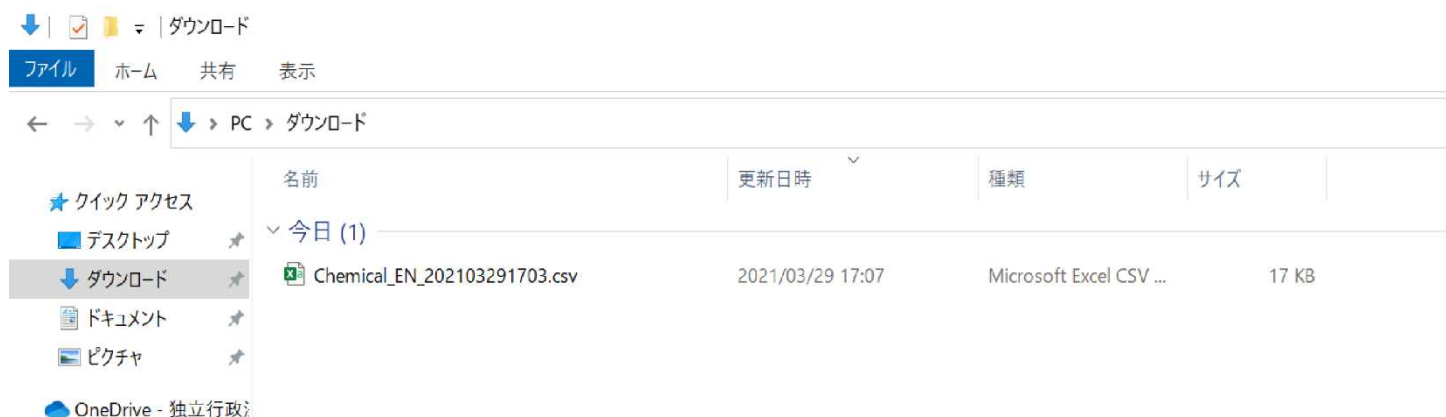
Chemical\_EN\_202103....csv  
で行う操作を選んでください。   ...

## NITE-Gmiccs Operating Manual

3) Microsoft Excel will be launched, and the file will be opened.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Substance	Source	CAS RN	Name ja	Name en	Equivalen	Oxygen ec	pH	Max conc	Min conc	Acid pH	Base pH	Inorganic	Aldehyde	Phenol	Surfactant	Explosive	Flamma
2	GEN-2240	NITE	112-36-7	ジエチレン	*Diethylene glycol diethyl ether								Unknown	Unknown	Unknown	Unknown	Not applic	Not app
3	GEN-2241	NITE	96-48-0	ガンマーブ	*gamma-Butyrolactone								Unknown	Unknown	Unknown	Unknown	Not applic	Not app
4	GEN-2242	NITE	79-39-0	メタクリル	*Methacrylamide								Unknown	Unknown	Unknown	Unknown	Not applic	Not app
5	GEN-2243	NITE	924-42-5	N-メチル	*N-Methylolacrylamide								Unknown	Unknown	Unknown	Unknown	Not applic	Not app
6	GEN-2244	NITE	135-20-6	アンモニウム	Ammonium N-nitrosophenylhydroxylamine								Unknown	Unknown	Unknown	Unknown	Classifica	Not app
7	GEN-2245	NITE	123-07-9	4-エチル	*4-Ethylphenol								Unknown	Unknown	Unknown	Unknown	Not applic	Not app
8	GEN-2246	NITE	83-67-0	テオプロ	*0								Unknown	Unknown	Unknown	Unknown	Not applic	Not app
9	GEN-2247	NITE	2416-94-6	2, 3, 6	*2,3,6-Trimethylphenol								Unknown	Unknown	Unknown	Unknown	Not applic	Not app
10	GEN-2248	NITE	62-23-7	パラニ	p-Nitrobenzoic acid								Unknown	Unknown	Unknown	Unknown	Classifica	Not app
11	GEN-2249	NITE	88-75-5	オルトニ	*o-Nitrophenol								Unknown	Unknown	Unknown	Unknown	Not classi	Not app

4) An exported file is stored in a download folder in your device.



Note: An exported file will be named as Chemical + Language + date and time of output (yyyymmddhhnn). csv

e.g.: Chemical\_EN\_202104011342.csv if exported at 13:42, April 1, 2021

### 2.4.4. Registering (importing) substance information at once.

1) The following screen in STEP 2 is used.

Prepare an import file before registration.

A template can be downloaded.

Enter the GHS classification information for chemical substances that lack its information

Enter GHS information, etc. of multiple substances at once



Please refer to the following to see an explanation for each item.

Common specifications in the system 2.1.5 Importing procedures

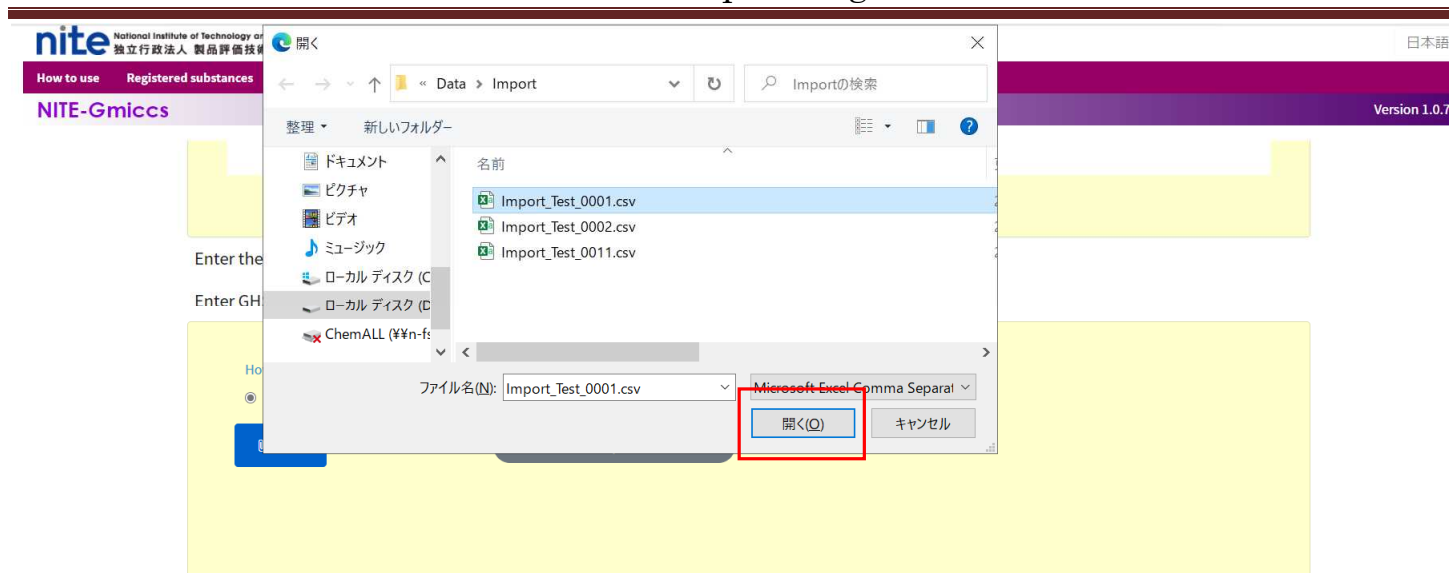
Note: As for making an import file, please refer to supplement: an information file for a single substance.

2) Select a transaction condition, Difference replacement or Replace All, click an “Import” button.



3) Select an import file and click an “Open” button.

# NITE-Gmiccs Operating Manual



## 4) Check a message to see the result.

In case of an error, a transaction will be stopped at the point where an error happens.

Enter the GHS classification information for chemical substances that lack its information

Enter GHS information, etc. of multiple substances at once



Note: The target substance information is common substance information and data you registered.

Substance ID is a unique identifier for chemicals information.

After completion without an error, the number of records will be displayed.



## 2.4.5. Registering substance information one by one.

1) Click the following in STEP 2 to open a screen for a new entry of substance information.

Enter the GHS classification information for chemical substances that lack its information

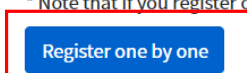
Enter GHS information, etc. of multiple substances at once

How to create import data

☒ Difference replacement ☐ Replace All

Register chemical substances one by one

\* Note that if you register one by one via web form, you should export and save it in your devices.



2) An entry screen will be opened in a new tab.

A tab 1 is for a list, and a tab 2 is for a screen for a new entry. It is possible to open multiple tabs.

Basis information of substance (Register)

Substance number

CAS number

Substance name(Japanese)

Substance name(English)

Reference

Required information for mixture GHS classification

Equivalency factor  ⓘ

OxygenEquivalent coefficient  ⓘ

pH  ⓘ

Maximum concentration of the flammable gas  ⓘ

Minimum concentration of the flammable gas  ⓘ

Acid (pH ≤ 2) ☐ Applicable

Base (pH ≥ 11.5) ☐ Applicable

Inorganic salt  ⓘ

Aldehyde  ⓘ

Phenol  ⓘ

Surfactant or other ingredient  ⓘ

## NITE-Gmiccs Operating Manual

You can change showing or no showing of GHS classification by clicking the button to each hazard.

GHS classification information for a single substance Required

▼ Physical hazards

Item	Classification results
Explosive	<input type="checkbox"/>
Flammable gases	<input type="checkbox"/>
Aerosol	<input type="checkbox"/>
Oxidizing gases	<input type="checkbox"/>
Gas under pressure	<input type="checkbox"/>
Flammable liquid	<input type="checkbox"/>
Flammable solid	<input type="checkbox"/>
Self-reactive substance and mixture	<input type="checkbox"/>
Pyrophoric liquid	<input type="checkbox"/>
Pyrophoric solid	<input type="checkbox"/>
Self-heating substance	<input type="checkbox"/>
Chemical which, in contact with water, emits flammable gases	<input type="checkbox"/>
Oxidizing liquid	<input type="checkbox"/>
Oxidizing solid	<input type="checkbox"/>
Organic peroxides	<input type="checkbox"/>
Corrosive to metals	<input type="checkbox"/>
Desensitize explosives	<input type="checkbox"/>

▼ Health hazards

Item	Classification results	Toxicity value
Acute toxicity (oral)	<input type="checkbox"/>	<input type="text"/> (mg/kg)
Acute toxicity (dermal)	<input type="checkbox"/>	<input type="text"/> (mg/kg)
Acute toxicity (inhalation: gas)	<input type="checkbox"/>	<input type="text"/> (ppm)
Acute toxicity (inhalation: vapor)	<input type="checkbox"/>	<input type="text"/> (ppm)
		<input type="text"/> (mg/L)
Acute toxicity (inhalation: dust, mist)	<input type="checkbox"/>	<input type="text"/> (mg/L)
Skin corrosion/irritation	<input type="checkbox"/>	
Serious eye damage/eye irritation	<input type="checkbox"/>	
Respiratory sensitization	<input type="checkbox"/>	
Skin sensitization	<input type="checkbox"/>	
Germ cell mutagenicity	<input type="checkbox"/>	
Carcinogenicity	<input type="checkbox"/>	
Reproductive toxicity	<input type="checkbox"/>	
Reproductive toxicity, effects on or via lactation	<input type="checkbox"/>	
Specific target organ toxicity (single exposure)	<input type="checkbox"/>	
Specific target organ toxicity (repeated exposure)	<input type="checkbox"/>	
Aspiration hazard	<input type="checkbox"/>	



## NITE-Gmiccs Operating Manual

▼ Environmental hazards

Item	Toxicity value	
Hazardous to the aquatic environment Short-term(acute)	LC50(fish)	<input type="text"/> (mg/L)
<input type="text"/>	EC50(crustacea species)	<input type="text"/> (mg/L)
	EC50(algal species )	<input type="text"/> (mg/L)
	Toxicity multiplying factor	<input type="text"/>
Hazardous to the aquatic environment Long-term(chronic)	NOEC50(fish)	<input type="text"/> (mg/L)
<input type="text"/>	NOEC50(crustacea species)	<input type="text"/> (mg/L)
	NOEC50(algal species )	<input type="text"/> (mg/L)
	Rapid degradability	<input type="text"/>
	Toxicity multiplying factor	<input type="text"/>
Hazardous to the ozone layer	<input type="text"/>	

⌂ Close
✔ Regist

GHS classification for all hazards is closed in the example below.

GHS classification information for a single substance Required

▶ Physical hazards
▶ Health hazards
▶ Environmental hazards

⌂ Close
✔ Regist

No.	Item	Digit	Format	Explanation
1	Substance ID	32	half-sized characters	An entry in half-sized characters
2	CAS RN	15	half-sized characters	Based on the definition of CAS RN, enter it with hyphens and a check digit.
3	Substance name (Japanese)	4000	characters	Enter a Japanese name in Chinese characters and others.
4	Substance name (English)	4000	half-sized characters	Enter an English name.
5	Source	256	characters	Select one from the list or directly enter it.
6	Coefficient of nitrogen equivalency	11, 2	numerical value	An entry between 0 and 999,999,999.99
7	Coefficient of oxygen equivalency	11, 2	numerical value	An entry between 0 and 999,999,999.99
8	pH	4, 2	numerical value	An entry between 0 and 14
9	Maximum concentration of the flammable gas	5, 2	numerical value	An entry between 0 and 100

## NITE-Gmiccs Operating Manual

10	Minimum concentration of the flammable gas	5, 2	numerical value	An entry between 0 and 100
11	Acid ( $\text{pH} \leq 2$ )		checkbox	Check it if pH is $\leq 2$ .
12	Base ( $\text{pH} \geq 11.5$ )		checkbox	Check it if pH is $\geq 11.5$ .
13	Inorganic salt		Selection from list	Select from a list.
14	Aldehydes		Selection from list	Select from a list.
15	Phenols		Selection from list	Select from a list.
16	Surfactant or other ingredient		Selection from list	Select from a list.
	(GHS classification)			
	Confirm the rationale for classification		link	(only at revision/referring) Clicking the link will open an information screen when URL is set for information on the substance displayed.
	Physical hazards			Clicking the button will change showing or no showing of GHS classification for physical hazards.
17	Explosives		Selection from list	Select classification from a list.
18	Flammable gases		Selection from list	Select classification from a list.
19	Aerosols		Selection from list	Select classification from a list.
20	Oxidizing gases		Selection from list	Select classification from a list.
2	Gases under pressure		Selection from list	Select classification from a list.
22	Flammable liquids		Selection from list	Select classification from a list.
23	Flammable solids		Selection from list	Select classification from a list.

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24	Self-reactive substances and mixtures		Selection from list	Select classification from a list.
25	Pyrophoric liquids		Selection from list	Select classification from a list.
26	Pyrophoric solids		Selection from list	Select classification from a list.
27	Self-heating substances and mixtures		Selection from list	Select classification from a list.
28	Substances and mixtures which, in contact with water, emit flammable gases		Selection from list	Select classification from a list.
29	Oxidizing liquids		Selection from list	Select classification from a list.
30	Oxidizing solids		Selection from list	Select classification from a list.
31	Organic peroxides		Selection from list	Select classification from a list.
32	Corrosive to metals		Selection from list	Select classification from a list.
33	Desensitized explosives		Selection from list	Select classification from a list.
	Health hazards			Clicking the button will change showing or no showing of GHS classification for health hazards.
34	Acute toxicity (Oral)		Selection from list	Select classification from a list.
35	Acute toxicity (Dermal)		Selection from list	Select classification from a list.
36	Acute toxicity (Inhalation: Gases)		Selection from list	Select classification from a list.
37	Acute toxicity (Inhalation: Vapors)		Selection from list	Select classification from a list.

## NITE-Gmiccs Operating Manual

38	Acute toxicity (Inhalation: Dusts and mists)		Selection from list	Select classification from a list.
39	Acute toxicity (Oral)	15, 7	numerical value	An entry between 0 and 99,999,999
40	Acute toxicity (Dermal)	15, 7	numerical value	An entry between 0 and 99,999,999
41	Acute toxicity (Inhalation: Gases)	15, 7	numerical value	An entry between 0 and 99,999,999
42	Acute toxicity (Inhalation: Vapors)	15, 7	numerical value	An entry between 0 and 99,999,999
43	Acute toxicity (Inhalation: Vapors) 2	15, 7	numerical value	An entry between 0 and 99,999,999
44	Acute toxicity (Inhalation: Dusts and mists)	15, 7	numerical value	An entry between 0 and 99,999,999
45	Skin corrosion/irritation		Selection from list	Select classification from a list.
46	Serious eye damage/eye irritation		Selection from list	Select classification from a list.
47	Respiratory sensitization		Selection from list	Select classification from a list.
48	Skin sensitization		Selection from list	Select classification from a list.
49	Germ cell mutagenicity		Selection from list	Select classification from a list.
50	Carcinogenicity		Selection from list	Select classification from a list.
51	Reproductive toxicity		Selection from list	Select classification from a list.
52	Reproductive toxicity Effects on or via lactation		Selection from list	Select classification from a list.

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53	Specific target organ toxicity - Single exposure		Selection from list	Select classification from a list.
54	Specific target organ toxicity - Single exposure		button	Opens an edit screen for Specific target organ toxicity - Single exposure.
55	Specific target organ toxicity - Repeated exposure		Selection from list	Select classification from a list.
56	Specific target organ toxicity - Repeated exposure		button	Opens an edit screen for Specific target organ toxicity - Repeated exposure.
57	Aspiration hazard		Selection from list	Select classification from a list.
	Environmental hazards			Clicking the button will change showing or no showing of GHS classification for environmental hazards.
58	Hazardous to the aquatic environment Short-term (Acute)		Selection from list	Select classification from a list.
59	Hazardous to the aquatic environment Long-term (chronic)		Selection from list	Select classification from a list.
60	Hazardous to the ozone layer		Selection from list	Select classification from a list.
61	LC50 (fish)	16, 8	numerical value	An entry between 0 and 99,999,999
62	EC50 (crustacea)	16, 8	numerical value	An entry between 0 and 99,999,999
63	EC50 (algae)	16, 8	numerical value	An entry between 0 and 999,999,999,999,999
64	Toxicity coefficient (Long-term)	15	numerical value	An entry between 0 and 99,999,999
65	NOEC (fish)	16, 8	numerical value	An entry between 0 and 99,999,999

## NITE-Gmiccs Operating Manual

66	NOEC (crustacea)	16, 8	numerical value	An entry between 0 and 99,999,999
67	NOEC (algae)	16, 8		An entry between 0 and 99,999,999
68	Rapid degradability		Selection from list	Select classification from a list.
69	Toxicity coefficient (Short-term)	15	numerical value	An entry between 0 and 999,999,999,999,999
70	Register		button	Registers information entered.

3-1) Enter basic information and required information in sequence.

An error message will be shown in the left top corner while entering.

- Enter the Equivalency factor as a percentage within the range of 0 to 999999999.99.
- Enter the Oxygen equivalent coefficient as a percentage within the range of 0 to 999999999.99.

**Substance information**

Substance ID Required

CAS registry number (CAS RN)

Substance name(Japanese)

Substance name(English) Required

Source

✓ Register

**Required information for mixture GHS classification**

Coefficient of nitrogen equivalency

Coefficient of oxygen equivalency

pH

Maximum concentration of the flammable gas

Minimum concentration of the flammable gas

3-2) Source information already registered is listed.

You can register new one.

# NITE-Gmiccs Operating Manual

**Substance information**

Substance ID Required  Register

CAS registry number (CAS RN)

Substance name(Japanese)

Substance name(English) Required

Source

**Required information for mixture GHS classification**

Coefficient of nitrogen equivalency

Coefficient of oxygen equivalency

pH

Maximum concentration of the flammable gas

Minimum concentration of the flammable gas

**Source dropdown menu:**

- 保存されたデータ
- National Institute of Technology and Evaluation
- Company XXXXXXX
- NITE (Japan)
- ECHA C&L inventory
- In-house data
- NITE

3-3) Select one of the GHS classifications assigned for each hazard.

**Physical hazards**

Item	Classification results
Explosive	<input type="text"/>
Flammable gases	Classification not possible
Aerosol	Not applicable
Oxidizing gases	Unstable explosive
Gas under pressure	Division 1.1
Flammable liquid	Division 1.2
	Division 1.3
	Division 1.4
	Division 1.5
	Division 1.6

3-4) Revise Specific target organ toxicity - Single exposure/ Repeated exposure

Please refer to 2.4.5.1 Revising Specific target organ toxicity

4) Click a “Register” button after an entry

An error message will be shown in the right or left top corner.

(Message image shown in the left top corner.)

# NITE-Gmiccs Operating Manual

• Substance ID is required.

**Substance information**

Substance ID	Required	<input type="text"/>	<input type="button" value="✓ Register"/>
CAS registry number (CAS RN)		<input type="text"/>	
Substance name(Japanese)		<input type="text"/>	
Substance name(English)	Required	<input type="text"/>	
Source		<input type="text"/>	

(Message image shown in the right top corner.)

Basis information of substance (Register)

**Substance information**

Substance ID	Required	218-276-8	<input type="button" value="✓ Register"/>
CAS registry number (CAS RN)		<input type="text"/>	
Substance name(Japanese)		<input type="text"/>	
Substance name(English)	Required	OEthyl O4nitrophenyl phenyl phosphonothioate	
Source		<input type="text"/>	

The entered Substance ID is already in use.

Note: The target substance information is common substance information and data you registered.

Substance ID is a unique identifier for chemicals information.

5) A completion message is shown when there is no error.

Click an “OK” button to close a popup.

nite National Institute of Technology and Evaluation  
独立行政法人 製品評価技術基盤機構

How to use Registered substances Classification Logic About SDS FAQ Contact us Related information

NITE-Gmiccs Version 1.0.7.2

Basis information of substance (Register)

Substance number

Substance

Substance

Done

Has registered.

OK

✓ Register

## 2.4.5.1. Revising Specific target organ toxicity.



## NITE-Gmiccs Operating Manual

1) Click “Specific target organ toxicity - Single exposure” or “Specific target organ toxicity - Repeated exposure” to open an edit screen.

Note: Open an edit screen for Specific target organ toxicity after selecting “yes Category.”

2) Revise Specific target organ toxicity.

Clicking an “Add row” button will add a row one by one as shown in the red frame below.

No.	Item	Digit	Format	Explanation
1	Substance ID		(display)	Not to be revised
2	Substance name		(display)	Not to be revised
3	Add row		button	Add one row at the end of a list.
	(list)			
4	Checkbox Delete		Checkbox button	Selects a row to be deleted. Deletes a checked row.
5	Category		Selection from a list	Required: select from a list.
6	Organ		Selection from a list	Select from a list.

## NITE-Gmiccs Operating Manual

7	Exposure route		Selection from a list	Select from a list.
8	Close		button	Close a screen.
9	Confirm		button	Register (update) a list.

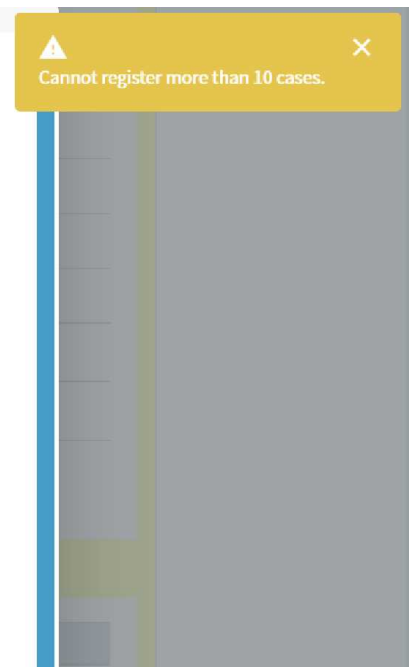
**Specific target organ toxicity.**

Substance ID: TST-1235

Chemical Name: TST-12345

**+ Add Row**

<input type="checkbox"/> Delete	Category	Organ	Exposure route
<input type="checkbox"/>		No organ information	
<input type="checkbox"/>		No organ information	
<input type="checkbox"/>		No organ information	
<input type="checkbox"/>		No organ information	
<input type="checkbox"/>		No organ information	



Note: The maximum number of rows is 10.

3) Click a “Confirm” button after entering listed data for Specific target organ toxicity.

An error message will be displayed in the right top corner if there is an error.

Revise data according to the message.

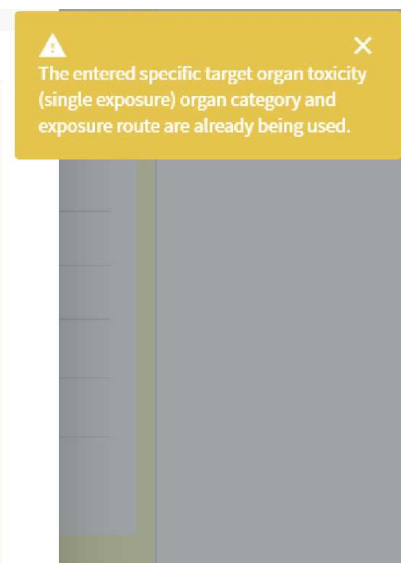
**Specific target organ toxicity.**

Substance ID: TST-1235

Chemical Name: TST-12345

**+ Add Row**

<input type="checkbox"/> Delete	Category	Organ	Exposure route
<input type="checkbox"/>	Category 1	No organ information	
<input type="checkbox"/>	Category 1	No organ information	
<input type="checkbox"/>	Category 1	Liver	



3) A completion message will be shown when there is no error.

**Specific target organ toxicity**

Substance ID

Chemical Name

<input type="checkbox"/>	Delete	Category	Organ	Exposure route
<input type="checkbox"/>		Category 1	Lungs	
<input type="checkbox"/>		Category 1	Liver	

Has registered.

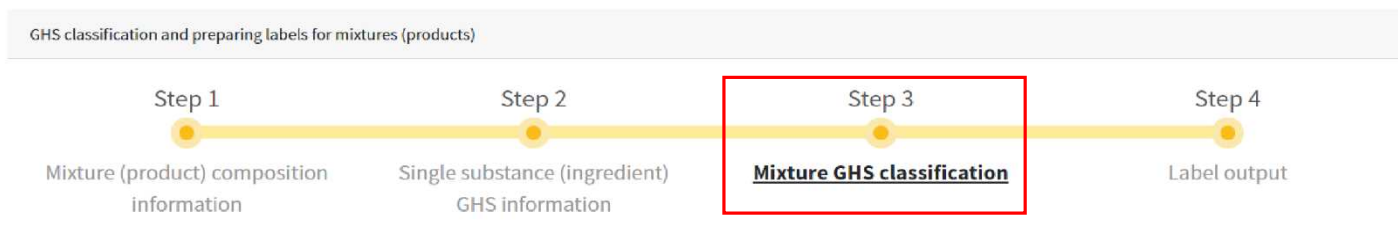
## 2.5. STEP 3 Mixture (product) GHS classification

Perform GHS classification of mixtures registered in STEP 1.

You can revise the GHS classification of mixtures after the judge.

### 2.5.1. Searching data for classification

1) Move to a STEP 3 screen.



Note: You cannot move to a STEP 3 screen if there is a substance that lacks information.

2) In a GHS classification judgment result list, click a “Search” button after entering search conditions.

GHS classification of registered mixtures (products)

**GHS classification judgment result list**

Product name  1 ☒ Partial match of string ☐ Exact match of string

Product ID  2 ☒ Partial match of string ☐ Exact match of string

Classify ☐ Not classified ☐ Classified ☒ All 3

6 4   5 Language

(3 cases) 9 ※ For export, data that has been classified and judged is the output target.

	Product ID 8	Product name	Detail information	Classfy Result 10
<input type="checkbox"/>	TST-0001	TST1	<input type="button" value="Detail"/>	not
7 <input type="checkbox"/>	TST-0002	TST2	<input type="button" value="Detail"/>	not
<input type="checkbox"/>	TST-0003	TST2	<input type="button" value="Detail"/>	not

No.	Item	Format	Explanation
1	Product name	characters	Conduct a partial or exact math search by Mixture (Product) name

## NITE-Gmiccs Operating Manual

2	Product ID	half-sized characters	Conduct a partial or exact math search by Product ID
3	Classify	Radio button	Selects which to classify.
4	Search	button	Conducts a search under entered conditions.
5	Export	button	Exports data shown in a list into a CSV file. Please refer to 2.5.5 Exporting product classification in a CSV file.
6	The number of hits	(display)	Shows the number of hits
	[List]		
7	Checkbox	Checkbox	Selects a row to be deleted.
	Select all / Release all	button	Click Select all /Release all button in the header to change between selection and deselection of all rows.
	Deleted the selected	button	Deletes a checked row. Please refer to 2.5.4 Deleting product classification information
8	Product ID	(display)	
	Product name	(display)	
9	Detail information	button	Opens a screen showing composition information of the selected mixture. Please refer to 2.5.1.1 Confirming composition information.
10	Classification Result	(display) button	Classification done: “done” and “classification Result” button Classification not for: “not” Opens a screen for detailed information of the selected product ID in a new tab.

Note: The maximum number of search results is 5,000.

### 2.5.1.1. Confirming composition information.

- 1) Search data. Please refer to 2.5.1 Search data for classification  
Click a “Detail” button for the target row.

## GHS classification of registered mixtures (products)

GHS classification judgment result list

Product name  ☒ Partial match of string ☐ Exact match of string

Product ID  ☒ Partial match of string ☐ Exact match of string

Classify ☐ Not classified ☐ Classified ☒ All

Language

(3 cases) ※ For export, data that has been classified and judged is the output target.

<input type="button" value="Select all"/>	<input type="button" value="Delete"/>	Product ID	Product name	Detail information	Classify Result
<input type="checkbox"/>		TST-0001	TST1	<input type="button" value="Detail"/>	not
<input type="checkbox"/>		TST-0002	TST2	<input type="button" value="Detail"/>	not
<input type="checkbox"/>		TST-0003	TST2	<input type="button" value="Detail"/>	not

2) A screen for detailed composition information will be opened in a new tab, different from that for a list.

A tab 1 is for a list, and a tab 2 is for a screen for detailed composition information. It is possible to open multiple tabs.

# NITE-Gmiccs Operating Manual

The screenshot displays the NITE-Gmiccs web application. The browser window has three tabs, with the second tab (labeled '2') being the active one. The address bar shows the URL: <https://www.ghs.nite.go.jp/compositionInformation/en/Reference/Reference/TST-0001>. The page header includes the NITE logo and navigation links: 'How to use', 'Registered substances', 'Classification Logic', 'About SDS', 'FAQ', 'Contact us', and 'Related information'. The main content area is titled 'Product composition information' and contains two sections: 'Basic product information' and 'Basic composition information'. The 'Basic product information' section includes fields for 'Product number' (TST-0001), 'Product name(Japanese)' (てすと1), and 'Product name(English)' (TST1). The 'Basic composition information' section includes fields for 'UN number', 'Physical state' (Solid), 'Flash point' (120.0 °C), 'Initial boiling point', and 'Kinematic viscosity'. Each field has a 'Required' label and a search icon.

Note: You cannot edit the information.

## 2.5.2. Conducting GHS classification

- 1) Search the target data to be classified. Please refer to 2.5.1. Searching data for classification.
- 2) Select a judgment rule and a rule on grouping organ names for Specific target organ toxicity.

Judgment rule: JIS (Japan Industrial Standard), UN (United Nations)

A rule on grouping organ names: Selects whether organs are grouped in the same category for specific target organ toxicity.

# NITE-Gmiccs Operating Manual

GHS classification and preparing labels for mixtures (products)



## Step3 Perform and output GHS classification of mixtures

Select mixture GHS judgment rules

**Judgment rule** Required ? ☒ JIS ☐ UN

**Organ species grant rule** Required ? ☒ Integrate names ☐ Do not integrate names

### 3) Select data to be classified from a list.

(1) Click “Select all” in the header, No. 1, to delete all data.

(2) Clicking the same button “Release all” again will deselect all rows. Clicking will change between selection and deselection of all.

(3) To delete specific data, click the checkbox in the row, No.2, to be deleted.

GHS classification of registered mixtures (products)

## GHS classification judgment result list

Product name  ☒ Partial match of string ☐ Exact match of string

Product ID  ☒ Partial match of string ☐ Exact match of string

Classify ☐ Not classified ☐ Classified ☒ All

Search

Export

Language English

(3 cases)

※ For export, data that has been classified and judged is the output target.

1	Select all	Delete	Product ID	Product name	Detail information	Classify Result
	<input type="checkbox"/>		TST-0001	TST1	<a href="#">Detail</a>	not
	2	<input checked="" type="checkbox"/>	TST-0002	TST2	<a href="#">Detail</a>	not
		<input checked="" type="checkbox"/>	TST-0003	TST2	<a href="#">Detail</a>	not



4) Click a “Classify exec” button.

(1) A completion message will be displayed when there is no error.

(2) You can check the classification result.

The screenshot displays the NITE-Gmiccs interface. At the top, there are radio buttons for 'Classify', 'Not classified', 'Classified', and 'All', with 'All' selected. To the right, there is a 'Search' button, an 'Export' button, and a 'Language' dropdown menu set to 'English'. Below these, a message states: '※ For export, data that has been classified and judged is the output target.' The main area contains a table with two columns: 'Product ID' and 'Product name'. The table has two rows: 'Mixture-00001' with 'Painting sample1' and 'Mixture-00002' with 'Painting sample2'. Each row has a 'Detail' button. To the right of the table, there is a 'Classify Result' column. The first row shows 'done' and a 'Classify result' button. The second row shows 'not'. A red box highlights the 'Classify Result' column. At the bottom center, there is a 'Classify exec' button, also highlighted with a red box.

Product ID	Product name	Detail information	Classify Result
Mixture-00001	Painting sample1	<a href="#">Detail</a>	done <a href="#">Classify result</a>
Mixture-00002	Painting sample2	<a href="#">Detail</a>	not

[Classify exec](#)

## 2.5.3. Editing GHS classification results

1) Search data to be edited. Please refer to 2.5.1. Searching data for classification.

Click a “Classify result” button for the row to be edited.

GHS classification judgment result list

Product name  ☒ Partial match of string ☐ Exact match of string

Product ID  ☒ Partial match of string ☐ Exact match of string

Classify ☐ Not classified ☐ Classified ☒ All

Language

(3 cases) ※ For export, data that has been classified and judged is the output target.

<input type="button" value="Select all"/>	<input type="button" value="Delete"/>	Product ID	Product name	Detail information	Classify Result
<input type="checkbox"/>		TST-0001	TST1	<input type="button" value="Detail"/>	not
<input type="checkbox"/>		TST-0002	TST2	<input type="button" value="Detail"/>	done <input type="button" value="Classify result"/>
<input type="checkbox"/>		TST-0003	TST2	<input type="button" value="Detail"/>	done <input type="button" value="Classify result"/>

2) A screen for GHS classification information will be opened in a new tab, different from that for a list.

A tab 1 is for a list, and a tab 2 is for a screen for GHS classification information. It is possible to open multiple tabs.

# NITE-Gmiccs Operating Manual



**Basis information of product (Update)**

**Basis information**

Product ID: TST-0002

Product name(Japanese): てすと 2

Product name(English): TST2

Rule: JIS

**Compositions**

Substance ID	Cas No	Reference	Chemical Name	Content rate	Conversion rate	Ghs auto classification
GEN-2158	95-54-5	NITE	o-Phenylenediamine	50	50	<a href="#">Detail</a>
GEN-2159	108-45-2	NITE	m-Phenylenediamine	50	50	<a href="#">Detail</a>

**GHS Classification information**

Physical hazards

**GHS Classification information**

Physical hazards

Item	Classification results	Basis
Explosive	Classification not possible	<a href="#">Classification basis</a>
Flammable gases	Not applicable	<a href="#">Classification basis</a>
Aerosol	Not applicable	<a href="#">Classification basis</a>
Oxidizing gases	Not applicable	<a href="#">Classification basis</a>
Gas under pressure	Not applicable	<a href="#">Classification basis</a>
Flammable liquid	Not applicable	<a href="#">Classification basis</a>
Flammable solid	Classification not possible	<a href="#">Classification basis</a>
Self-reactive substance and mixture	Classification not possible	<a href="#">Classification basis</a>
Pyrophoric liquid	Not applicable	<a href="#">Classification basis</a>
Pyrophoric solid	Classification not possible	<a href="#">Classification basis</a>
Self-heating substance	Classification not possible	<a href="#">Classification basis</a>
Chemical which, in contact with water, emits flammable gases	Classification not possible	<a href="#">Classification basis</a>
Oxidizing liquid	Not applicable	<a href="#">Classification basis</a>
Oxidizing solid	Classification not possible	<a href="#">Classification basis</a>
Organic peroxides	Classification not possible	<a href="#">Classification basis</a>
Corrosive to metals	Classification not possible	<a href="#">Classification basis</a>
Desensitize explosives	Classification not possible	<a href="#">Classification basis</a>

# NITE-Gmiccs Operating Manual

Health hazards

Item	Classification results	Basis
Acute toxicity (oral)	Category 4	Classification basis
Acute toxicity (dermal)	Not classified	Classification basis
Acute toxicity (inhalation: gas)	Not applicable	Classification basis
Acute toxicity (inhalation: vapor)	Classification not possible	Classification basis
Acute toxicity (inhalation: dust, mist)	Classification not possible	Classification basis
Skin corrosion/irritation	Not classified	Classification basis
Serious eye damage/eye irritation	Category 2A	Classification basis
Respiratory sensitization	Classification not possible	Classification basis
Skin sensitization	Category 1	Classification basis
Germ cell mutagenicity	Category 2	Classification basis
Carcinogenicity	Category 2	Classification basis
Reproductive toxicity	Category 2	Classification basis
Reproductive toxicity, effects on or via lactation	Classification not possible	Classification basis
Specific target organ toxicity (single exposure)	Yes Category	Classification basis
Specific target organ toxicity (repeated exposure)	Yes Category	Classification basis
Aspiration hazard	Classification not possible	Classification basis

Environmental hazards

Item	Classification results	Basis
Hazardous to the aquatic environment Short-term(acute)	Category 1	Classification basis
Hazardous to the aquatic environment Long-term(chronic)	Category 1	Classification basis
Hazardous to the ozone layer	Classification not possible	Classification basis

Close

Update

No.	Item	Digit	Format	Explanation
1	Product ID		(display)	Shows a product ID.
2	Product name (Japanese)		(display)	Shows a product name.
3	Product name (English)		(display)	Shows a product name.
4	Rule		(display)	Shows JIS or UN.
	(list of composition information)			Shows composition information in a list.
5	Substance ID		(display)	Shows a substance ID.
6	CAS RN		(display)	Shows CAS RN.
7	Source		(display)	Shows a source.
8	Substance name		(display)	Shows a chemical substance name.
9	Content rate		(display)	Shows a content rate.

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10	Converted content rate		(display)	Shows a Converted content rate.
	GHS classification information			Sets up physical, health, and environmental hazards and edits classification basis
	Physical hazards			Clicking a button will change showing or no showing of physical hazard information.
11	Explosives		Selection from a list	Select one from a list
12	Classification basis		button	Shows classification basis.
13	Flammable gases		Selection from a list	Select one from a list
14	Classification basis		button	Shows classification basis.
15	Aerosols		Selection from a list	Select one from a list
16	Classification basis		button	Shows classification basis.
17	Oxidizing gases		Selection from a list	Select one from a list
18	Classification basis		button	Shows classification basis.
19	Gases under pressure		Selection from a list	Select one from a list
20	Classification basis		button	Shows classification basis.
21	Flammable liquids		Selection from a list	Select one from a list
22	Classification basis		button	Shows classification basis.
23	Flammable solids		Selection from a list	Select one from a list
24	Classification basis		button	Shows classification basis.
25	Self-reactive substances and mixtures		Selection from a list	Select one from a list
26	Classification basis		button	Shows classification basis.
27	Pyrophoric liquids		Selection from a list	Select one from a list
28	Classification basis		button	Shows classification basis.

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29	Pyrophoric solids		Selection from a list	Select one from a list
30	Classification basis		button	Shows classification basis.
31	Self-heating substances and mixtures		Selection from a list	Select one from a list
32	Classification basis		button	Shows classification basis.
33	Substances and mixtures which, in contact with water, emit flammable gases		Selection from a list	Select one from a list
34	Classification basis		button	Shows classification basis.
35	Oxidizing liquids		Selection from a list	Select one from a list
36	Classification basis		button	Shows classification basis.
37	Oxidizing solids		Selection from a list	Select one from a list
38	Classification basis		button	Shows classification basis.
39	Organic peroxides		Selection from a list	Select one from a list
40	Classification basis		button	Shows classification basis.
41	Corrosive to metals		Selection from a list	Select one from a list
42	Classification basis		button	Shows classification basis.
43	Desensitized explosives		Selection from a list	Select one from a list
44	Classification basis		button	Shows classification basis.
	Health hazards			Clicking a button will change showing or no showing of health hazard information.
45	Acute toxicity (Oral)		Selection from a list	Select one from a list
46	Classification basis		button	Shows classification basis.
47	Acute toxicity (Dermal)		Selection from a list	Select one from a list
48	Classification basis		button	Shows classification basis.
49	Acute toxicity (Inhalation: Gases)		Selection from a list	Select one from a list

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50	Classification basis		button	Shows classification basis.
51	Acute toxicity (Inhalation: Vapors)		Selection from a list	Select one from a list
52	Classification basis		button	Shows classification basis.
53	Acute toxicity (Inhalation: Dusts and mists)		Selection from a list	Select one from a list
54	Classification basis		button	Shows classification basis.
55	Skin corrosion/irritation		Selection from a list	Select one from a list
56	Classification basis		button	Shows classification basis.
57	Serious eye damage/eye irritation		Selection from a list	Select one from a list
58	Classification basis		button	Shows classification basis.
59	Respiratory sensitization		Selection from a list	Select one from a list
60	Classification basis		button	Shows classification basis.
61	Skin sensitization		Selection from a list	Select one from a list
62	Classification basis		button	Shows classification basis.
63	Germ cell mutagenicity		Selection from a list	Select one from a list
64	Classification basis		button	Shows classification basis.
65	Carcinogenicity		Selection from a list	Select one from a list
66	Classification basis		button	Shows classification basis.
67	Reproductive toxicity		Selection from a list	Select one from a list
68	Classification basis		button	Shows classification basis.
69	Reproductive toxicity Effects on or via lactation		Selection from a list	Select one from a list
70	Classification basis		button	Shows classification basis.
71	Specific target organ toxicity - Single exposure		Selection from a list	Select one from a list
72	Classification basis		button	Shows classification basis.

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73	Specific target organ toxicity - Single exposure		button	Opens a screen for editing Specific target organ toxicity - Single exposure.
74	Specific target organ toxicity - Repeated exposure		Selection from a list	Select one from a list
75	Classification basis		button	Shows classification basis.
76	Specific target organ toxicity - Repeated exposure		button	Opens a screen for editing Specific target organ toxicity - Repeated exposure.
77	Aspiration hazard		Selection from a list	Select one from a list
78	Classification basis		button	Shows classification basis.
	Environmental hazards			Clicking a button will change showing or no showing of environmental hazard information.
79	Hazardous to the aquatic environment Short-term (Acute)		Selection from a list	Select one from a list
80	Classification basis		button	Shows classification basis.
81	Hazardous to the aquatic environment Long-term (chronic)		Selection from a list	Select one from a list
82	Classification basis		button	Shows classification basis.
83	Hazardous to the ozone layer		Selection from a list	Select one from a list
84	Classification basis		button	Shows classification basis.
85	Close		button	Closes a screen.
86	Update		button	Updates GHS classification results.

3-1) You cannot edit basic and composition information.

3-2) As for classification result, select one from a list of choices determined for each hazard.



Physical hazards

Item	Classification results	Basis
Explosive	Classification not possible	Classification basis
Flammable gases	Classification not possible	Classification basis
Aerosol	Not applicable	Classification basis
Oxidizing gases	Unstable explosive	Classification basis
Gas under pressure	Division 1.1	Classification basis
Flammable liquid	Division 1.2	Classification basis
	Division 1.3	Classification basis
	Division 1.4	Classification basis
	Division 1.5	Classification basis
	Division 1.6	Classification basis
	Not classified	Classification basis

3-3) Edit classification basis. Please refer to 2.5.3.1. Editing classification basis.

3-4) Edit Specific target organ toxicity - Single exposure/ Repeated exposure  
Please refer to 2.5.3.2. Editing Specific target organ toxicity

4) Click an “Update” button after completing edition.

An error message will be shown if there is an error.

Please revise it according to the message.

reproductive toxicity

Category 1A

Classification basis

Reproductive toxicity, effects on or via lactation

Additional category for effects on or via lactation

Classification basis

Specific target organ toxicity (single exposure)

Yes Category

Classification basis

Specific target organ toxicity (repeated exposure)

Yes Category

Classification basis

Aspiration hazard

Category 1

Classification basis

Environmental hazards

reproductive toxicity

Category 1A

Classification basis

Reproductive toxicity, effects on or via lactation

Additional category for effects on or via lactation

Classification basis

Specific target organ toxicity (single exposure)

Classification basis

Specific target organ toxicity (repeated exposure)

Classification basis

Aspiration hazard

Category 1

Classification basis

Environmental hazards

### 2.5.3.1. Editing classification basis

1) Click a “classification basis” button in GHS classification information screen to open an edit screen.

Note: You determine the rationale for classification after conducting GHS classification.

Please refer to 2.5.2. Conducting GHS classification

**GHS Classification information**

Physical hazards

Item	Classification results	Basis
Explosive	Classification not possible	Classification basis
Flammable gases	Not applicable	Classification basis
Aerosol	Not applicable	Classification basis
Oxidizing gases	Not applicable	Classification basis
Gas under pressure	Not applicable	Classification basis

2) Edit the rationale for classification if necessary.

**Classification basis**

Product number: TST-0002 **1**

Product name: TST2 **2**

Classification: Acute toxicity (oral) **3**

**4** Classification basis has updated .

**5** Category 3: CAS RN: 108-45-2 (toxicity value = 204mg/kg, content percentage = 50%, source: NITE)  
 Category 4: CAS RN: 95-54-5 (toxicity value = 510mg/kg, content percentage = 50%, source: NITE)  
 $ATE_{mix} = 100 / ((50\% / 510\text{mg/kg}) + (50\% / 204\text{mg/kg}))$  Falls under Category 3 since the calculation result is 291.4602157mg/kg.

Hazard information: H301 Toxic if swallowed

**6** **7**

No,	Item	Digit	Format	Explanation
1	Product ID		(display)	Cannot be edited.
2	Product name		(display)	Cannot be edited.
3	Hazard		(display)	Cannot be edited.

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4	Message		(display)	A message will be shown in red when you change hazard, classification basis or Specific Organ Toxicity after classification.
5	Classification basis	4,000	characters	Classification basis is shown. You can edit this.
6	Close		button	Closes a screen.
7	Update		button	Updates classification basis.

3) Click an “Update” button to revise the basis.

Hazard	Classification	Classification basis
Acute toxicity (oral)	Classification not possible	Classification basis
Skin sensitization	Category 1	Classification basis
Germ cell mutagenicity	Category 2	Classification basis
Carcinogenicity	Category 2	Classification basis
Reproductive toxicity	Category 2	Classification basis
Reproductive toxicity, effects on or via lactation	Classification not possible	Classification basis
Specific target organ toxicity (single exposure)	Yes Category	Classification basis
Specific target organ toxicity (repeated exposure)	Yes Category	Classification basis
Aspiration hazard	Classification not possible	Classification basis

Note: If you conduct GHS classification again, the updated rationale will be overwritten with the content of the rationale for GHS classification.

### 2.5.3.2. Editing Specific target organ toxicity

1) Click a “Specific target organ toxicity - Single exposure/ Repeated exposure” button to open an edit screen.

Reproductive toxicity	Category 2	Classification basis
Reproductive toxicity, effects on or via lactation	Classification not possible	Classification basis
Specific target organ toxicity (single exposure)	Yes Category	Classification basis
Specific target organ toxicity (repeated exposure)	Yes Category	Classification basis
Aspiration hazard	Classification not possible	Classification basis

Note: Open an edit screen for Specific target organ toxicity after selecting “yes Category.”

2) Click “Specific target organ toxicity - Single exposure/ Repeated exposure” button to open an edit screen.

Clicking an “Add row” button will add a row as shown in a red frame below.

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**Specific target organ toxicity**

Product ID: TST-0002 **1**

Product name: てすと2 **2**

**3** **+ Add Row**

<b>4</b>	<b>5</b> Category	<b>6</b> Organ	<b>7</b> Exposure route
<input type="checkbox"/>	Category 2	Respiratory organs	
<input type="checkbox"/>	Category 1	Nervous system	
<input type="checkbox"/>	Category 1	Blood system	
<input type="checkbox"/>		No organ information	

**Close** **Confirm**

No.	Item	Digit	Format	Explanation
1	Product ID		(display)	Cannot be edited.
2	Product name		(display)	Cannot be edited.
3	Add row		button	Adds a row at the end.
	(list)			
4	checkbox delete		checkbox button	Selects a row to be deleted. Deletes a selected row.
5	Category		Selection from a list	Required: Select one from a list.
6	Organ		Selection from a list	Select one from a list.
7	Exposure route		Selection from a list	Select one from a list.
8	Close		button	Closes a screen.
9	Confirm		button	Updates (updates) a list.

Note: The maximum number of rows is 10.

3) Click an “Confirm” button after an entry.

An error message will be displayed when there is an error.

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Please revise it according to the message.

**Specific target organ toxicity**

Product ID

Product name

<input type="checkbox"/> Delete	Category	Organ	Exposure route
<input type="checkbox"/>	Category 2	Respiratory organs	
<input type="checkbox"/>	Category 1	Nervous system	
<input type="checkbox"/>	Category 1	Blood system	
<input type="checkbox"/>		No organ information	
<input type="checkbox"/>		No organ information	

Cannot register more than 10 cases.

4) A completion message will be shown if there is no error.

**Specific target organ toxicity**

Product ID

Product name

<input type="checkbox"/> Delete	Category	Organ	Exposure route
<input type="checkbox"/>	Category 2	Respiratory organs	
<input type="checkbox"/>	Category 1	Nervous system	
<input type="checkbox"/>	Category 1	Blood system	
<input type="checkbox"/>	Category 3	Respiratory tract irritancy	

Has registered.

## 2.5.4. Deleting mixture classification information.

1) Search data to be deleted. Please refer to 2.5.1. Search data for classification.

**GHS classification judgment result list**

Product name  ☒ Partial match of string ☐ Exact match of string

Product ID  ☒ Partial match of string ☐ Exact match of string

Classify ☐ Not classified ☐ Classified ☒ All

Language

(3 cases) ※ For export, data that has been classified and judged is the output target.

**1**  **3**

	Product ID	Product name	Detail information	Classify Result
<input type="checkbox"/>	TST-0001	TST1	<input type="button" value="Detail"/>	not
<b>2</b> <input type="checkbox"/>	TST-0002	TST2	<input type="button" value="Detail"/>	done <input type="button" value="Classify result"/>
<input type="checkbox"/>	TST-0011	TST-11	<input type="button" value="Detail"/>	done <input type="button" value="Classify result"/>

2) Click “Select all” in the header, No. 1 when all data should be deleted.

Clicking the same button “Release all” again will deselect all rows. Clicking will change between selection and deselection of all.

Click a checkbox in a row, No. 2 to be deleted.

**GHS classification judgment result list**

Product name  ☒ Partial match of string ☐ Exact match of string

Product ID  ☒ Partial match of string ☐ Exact match of string

Classify ☐ Not classified ☐ Classified ☒ All

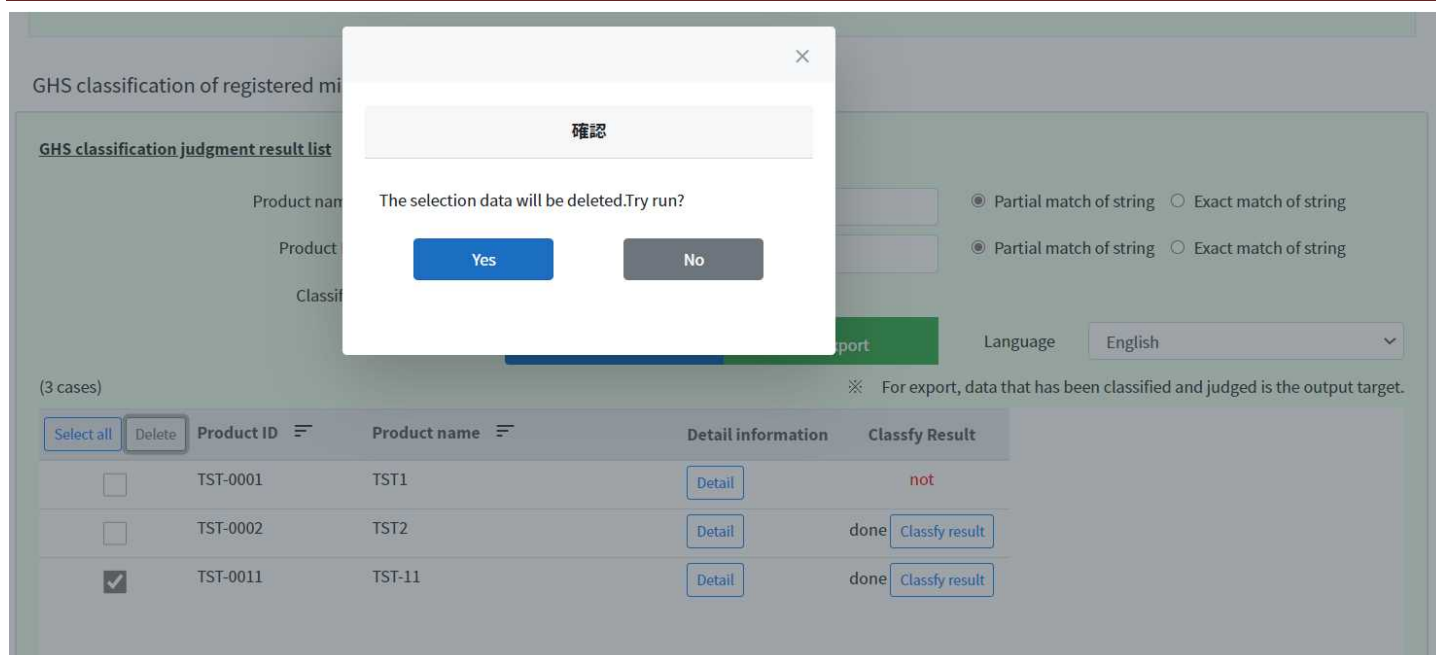
Language

(3 cases) ※ For export, data that has been classified and judged is the output target.

	Product ID	Product name	Detail information	Classify Result
<input type="checkbox"/>	TST-0001	TST1	<input type="button" value="Detail"/>	not
<input type="checkbox"/>	TST-0002	TST2	<input type="button" value="Detail"/>	done <input type="button" value="Classify result"/>
<input checked="" type="checkbox"/>	TST-0011	TST-11	<input type="button" value="Detail"/>	done <input type="button" value="Classify result"/>

3) Click a “Delete” button, No. 3 will display a confirmation popup.

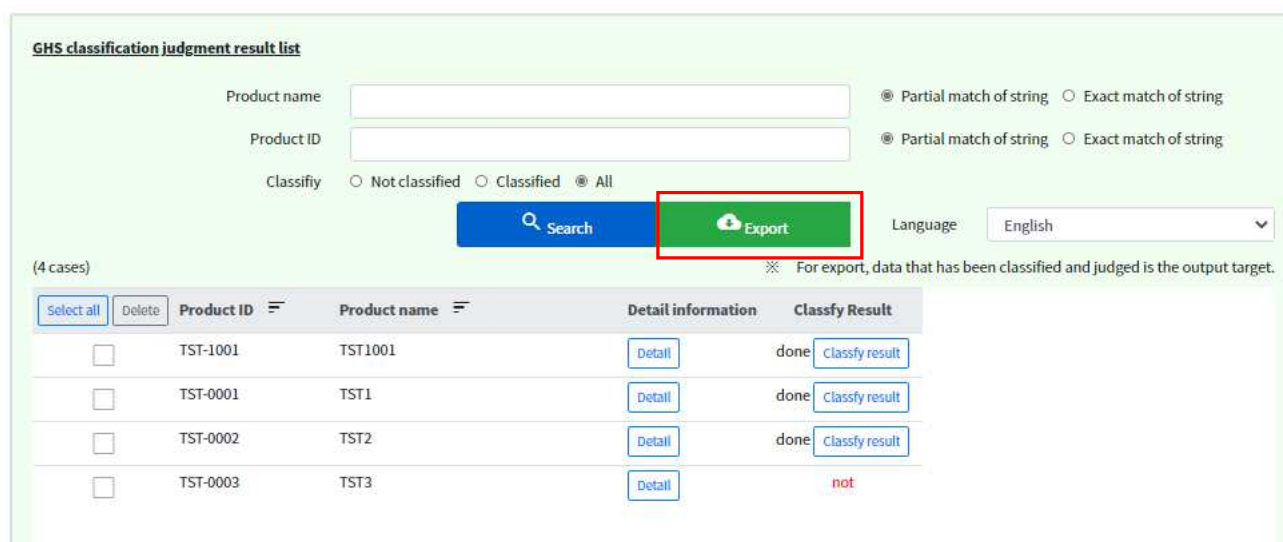
Clicking a “yes” button will delete a row. Clicking a “no” button will close a popup.



4) Search it again to show a list.

## 2.5.5. Exporting mixture classification in a CSV file

- 1) Search data to be exported. Please refer to 2.5.1. Searching data for classification.  
Click an “Export” button.



- 2) Data shown in a list will be exported in a ZIP file. (Data whose classification has not been completed will not be exported.)



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**GHS classification judgment result list**

Product name  ☒ Partial match of string ☐ Exact match of string

Product ID  ☒ Partial match of string ☐ Exact match of string

Classify ☐ Not classified ☐ Classified ☒ All

Language

(4 cases) ※ For export, data that has been classified and judged is the output target.

	Product ID	Product name	Detail information	Classify Result
<input type="checkbox"/>	TST-1001	TST1001	<input type="button" value="Detail"/>	done <input type="button" value="Classify result"/>
<input type="checkbox"/>	TST-0001	TST1	<input type="button" value="Detail"/>	done <input type="button" value="Classify result"/>
<input type="checkbox"/>	TST-0002	TST2	<input type="button" value="Detail"/>	done <input type="button" value="Classify result"/>
<input type="checkbox"/>	TST-0003	TST3	<input type="button" value="Detail"/>	not

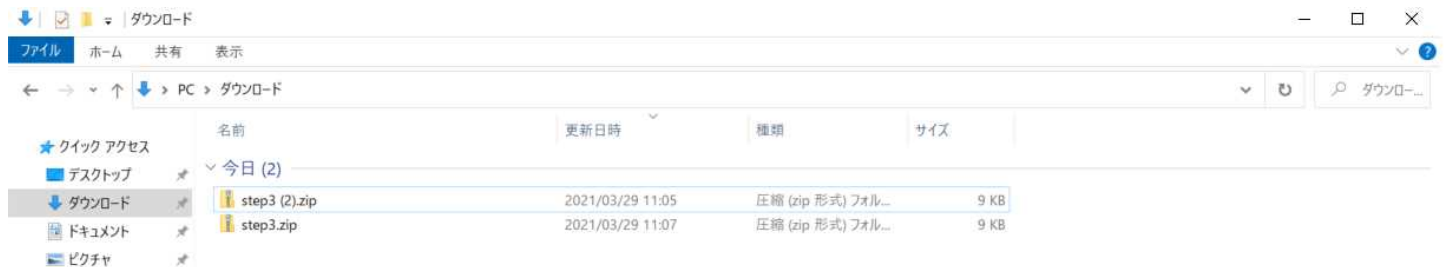
step3 (1).zip で行う操作を選んでください。   ...

Note: Product GHS information is comprised of one CSV file for one data.

A ZIP file from multiple CSV files will be exported.

Only the mixture (product) whose classification has been completed will be exported.

3) A file will be exported in a download folder in your device.



A CSV file will be named according to the following rule.

Note: Fixed text: Class + language + date and time of output (yyyymmddhhnn). csv

e.g.: Class\_EN\_202104011342.csv if exported at 13:42, April 1, 2021

4) You can see files after unzipping on Microsoft Excel.



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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Product id	TST-0001															
2	Product name	てすと 1															
3	Product name(Eng)	TST1															
4	Judgment rule	JIS															
5	UN Number																
6	Supplementary number(UN Number)																
7	Physical state	solid															
8	Conditions(1)	GEN-2158	20	95-54-5	オルト-2	o-Phenylenediamine											
9	Conditions(2)	GEN-2159	10	108-45-2	メタ-2	m-Phenylenediamine											
10	Conditions(3)																
11	Conditions(4)																
12	Conditions(5)																
13	Conditions(6)																
14	Conditions(7)																
15	Conditions(8)																
16	Conditions(9)																

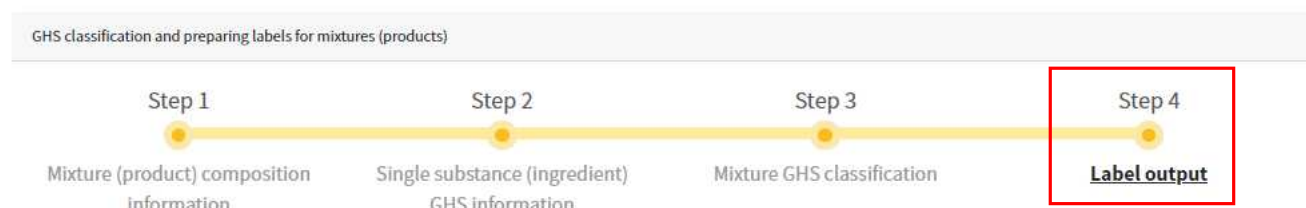
Note: You can import an exported file in STEP 4.

## 2.6. STEP 4 Outputting a label

Product GHS classification information after classification in STEP 3 will be shown in a list. Hazard statement, precautionary statement, and label elements can be outputted.

### 2.6.1. Searching label elements.

1) Move to a STEP 4 screen.



2) Click a “Search” button after entering search conditions in Product information.

**Search terms**

Product name  1 ☒ Partial match of string ☐ Exact match of string

Product ID  2 ☒ Partial match of string ☐ Exact match of string

Default Precaution Refinement Level  3  4 5

6 (3 cases)

7	8	9	10	11	12	13
Select all	Product ID	Product name	Composition information	Classification result	Label element	Number of Precautionary statements
<input type="checkbox"/>	TST-0001	TST1	<input type="button" value="Detail"/>	<input type="button" value="Classification result"/>	<input type="button" value="Label element"/>	2 Scases
<input type="checkbox"/>	TST-0002	TST2	<input type="button" value="Detail"/>	<input type="button" value="Classification result"/>	<input type="button" value="Label element"/>	2 Scases
<input type="checkbox"/>	TST-1001	TST1001	<input type="button" value="Detail"/>	<input type="button" value="Classification result"/>	<input type="button" value="Label element"/>	2 17cases

No.	Item	Format	Explanation
1	Product name	characters	Executes a partial or exact match search for a Product name.
2	Product ID	half-sized characters	Executes a partial or exact match search for a Product ID.
3	Level for precautionary statement narrowing	list	Selects one from Level 1-4 in a list.
4	Search	button	Execute a search under the entered conditions.
5	Clear	button	Clears search conditions and a list.

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6	The number of hits	(display)	Shows the number of hits.
	[list]		Classified data are shown in a list.
7	checkbox	checkbox	Selects a tow. Selects a row whose level is updated in a bundle. Designates data for which label element sheet will be outputted.
8	Product ID	(display)	
	Product name	(display)	
9	Composition information	button	Opens a screen for composition information for a selected row in a new tab. Please refer to 2.6.1.1 Checking composition information.
10	Classification result	button	Opens a screen for detailed classification information for a selected row in a new tab. Please refer to 2.6.1.2 Checking classification results.
11	Label element	button	Opens a screen for label element information for a selected row in a new tab. Please refer to 2.6.2 Checking detailed information on label elements.
12	Level	(display)	Shows a precautionary statement level.
13	The number of precautionary statements	(display)	Shows the number of precautionary statements for the precautionary statement level.

Note: Data whose classification was completed will be shown in a list.

The maximum number of hits is 5,0000 for a product list.

## 2.6.1.1. Checking composition information

1) Search label element data. Please refer to 2.6.1. Searching label elements.

Click a “Detail” button for target data.

**Search terms**

Product name  ☒ Partial match of string ☐ Exact match of string

Product ID  ☒ Partial match of string ☐ Exact match of string

Default Precaution Refinement Level  ?

(3 cases)

<input type="button" value="Select all"/>	Product ID	Product name	Composition information	Classification result	Label element	Label	Number of Precautionary statements
<input type="checkbox"/>	TST-0001	TST1	<input type="button" value="Detail"/>	<input type="button" value="Classification result"/>	<input type="button" value="Label element"/>	2	5cases
<input type="checkbox"/>	TST-0002	TST2	<input type="button" value="Detail"/>	<input type="button" value="Classification result"/>	<input type="button" value="Label element"/>	2	5cases
<input type="checkbox"/>	TST-1001	TST1001	<input type="button" value="Detail"/>	<input type="button" value="Classification result"/>	<input type="button" value="Label element"/>	2	17cases

2) Composition information will be displayed in a new screen, different from one for a list.

Procedures will be the same as described in 2.5.1.1. Confirming composition information.

## 2.6.1.2. Checking classification results

1) Search label element data. Please refer to 2.6.1 Searching label elements .

Click a “Classification result” button for target data.

**Search terms**

Product name  ☒ Partial match of string ☐ Exact match of string

Product ID  ☒ Partial match of string ☐ Exact match of string

Default Precaution Refinement Level  ?

(3 cases)

<input type="button" value="Select all"/>	Product ID	Product name	Composition information	Classification result	Label element	Level	Number of Precautionary statements
<input type="checkbox"/>	TST-0001	TST1	<input type="button" value="Detail"/>	<input type="button" value="Classification result"/>	<input type="button" value="Label element"/>	2	5cases
<input type="checkbox"/>	TST-0002	TST2	<input type="button" value="Detail"/>	<input type="button" value="Classification result"/>	<input type="button" value="Label element"/>	2	5cases
<input type="checkbox"/>	TST-1001	TST1001	<input type="button" value="Detail"/>	<input type="button" value="Classification result"/>	<input type="button" value="Label element"/>	2	17cases

2) Classification result information will be displayed in a new screen, different from one for a list.

Procedures will be the same as described in 2.5.3 Editing GHS classification results.

## 2.6.2. Checking detailed information on label elements.

1) Search label element data. Please refer to 2.6.1. Searching label elements.

Click a “Label element” button for target data.

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**Search terms**

Product name  ☒ Partial match of string ☐ Exact match of string

Product ID  ☒ Partial match of string ☐ Exact match of string

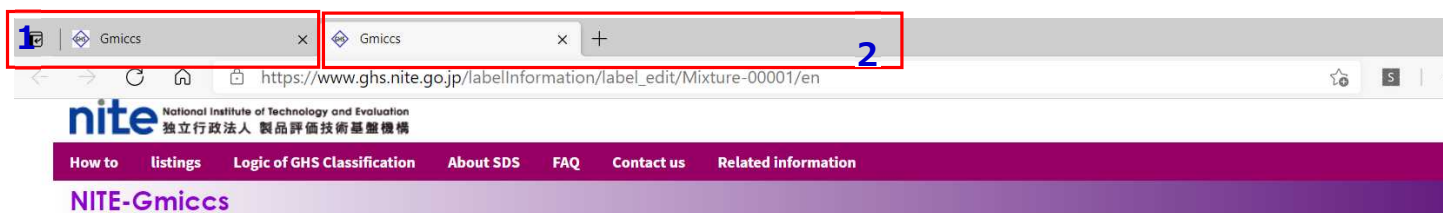
Default Precaution Refinement Level  ?

(3 cases)

Select all	Product ID	Product name	Composition information	Classification result	Label element	Label	Number of Precautionary statements
<input type="checkbox"/>	TST-0001	TST1	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	2	5cases
<input type="checkbox"/>	TST-0002	TST2	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	2	5cases
<input type="checkbox"/>	TST-1001	TST1001	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	2	17cases

2) Label element information will be shown in a new screen, different from one for a list.

A new tab A tab 1 is for a list, and a tab 2 is for a screen for label element information. It is possible to open multiple tabs.



Label element

1 Judgment rule

2 Product number

3 Product name

4 Ingredients

Substance ID	CAS number	Source	Chemical Name	Converted content rate
m-nite-108-10-1	108-10-1	NITE	Methyl isobutyl ketone	20.833
m-nite-108-88-3	108-88-3	NITE	Toluene	20.833

5 6 7

8 Pictograms   

9 Signal words

**Hazard statement and Precautional statements**

10 Precautional statements refinement Level2

11 Number of Precautional Statements 5

12 Hazard statement

13 Prevention

14 Response

15 Storage

16 Disposal

Code	Hazard statement
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H341	Suspected of causing genetic defects
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs Respiratory organs,Nervous system,Blood system
H371	May cause damage to organs Respiratory organs,Nervous system,Blood system
H372	Causes damage to organs through prolonged or repeated exposure Nervous system,Blood,Liver,Urinary system

Close Update

No.	Item	Digit	Format	Explanation
1	Judgment rule		(display)	Shows JIS or UN.
2	Product ID		(display)	Shows a Product ID.
3	Product name		(display)	Shows a Product name.
	(List of composition information)			Shows composition information in a list.
4	Substance ID		(display)	Shows a Substance ID.
5	CAS RN		(display)	Shows a CAS RN.
6	Source		(display)	Shows a source.
7	Converted content rate		(display)	Shows a content after conversion to 100%.
8	Pictograms		(display)	Shows a pictogram in an icon based on classification results for a product.
9	Signal words		(display)	Shows Danger or Alert.
	[Hazard statement and precautionary statement]		(display)	Shows code and text for Hazard or precautionary statement by switching a tab in a list.
10	Precautionary statement narrowing		(display)	Select a narrowing level.
11	The number of precautionary statements		(display)	Shows the number of precautionary statements.
12	Hazard statement		(display)	Shows hazard statement
13	Safety measures		(display)	Shows safety measures.
14	First-Aid Measures		(display)	Shows First-Aid Measures.
15	Storage		(display)	Shows storage.
16	Disposal		(display)	Shows disposal.

3) Check contents after selecting hazard or precautionary statement, No.1.

Check a statement after selecting a level.

**Hazard statement and Precautional statements**

Precautional statements refinement: Label2 (dropdown) | Number of Precautional Statements: 5

Code	Hazard statement
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H341	Suspected of causing genetic defects
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs Respiratory organs, Nervous system, Blood system
H371	May cause damage to organs Respiratory organs, Nervous system, Blood system
H372	Causes damage to organs through prolonged or repeated exposure Nervous system, Blood, Liver, Urinary system

Buttons: Close, Update

## 2.6.2.1. Updating labels.

1) Update a label in a detailed information screen for label elements.

- (1) Select a level to be updated.
- (2) Click an “Update” button.

**Hazard statement and Precautional statements**

Precautional statements refinement: Label2 (dropdown) | Number of Precautional Statements: 5

Code	Hazard statement
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H341	Suspected of causing genetic defects
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs Respiratory organs, Nervous system, Blood system
H371	May cause damage to organs Respiratory organs, Nervous system, Blood system
H372	Causes damage to organs through prolonged or repeated exposure Nervous system, Blood, Liver, Urinary system

Buttons: Close, Update

2) A message for update completion will be displayed.

Note: Label element sheet will be outputted at a current update level.  
It is at a level 2 after classification.

## 2.6.3. Updating labels at once.

1) Search label element data. Please refer to 2.6.1. Searching label elements.

- (1) Select a level to be updated, No. 1.
- (2) Select target data to be updated individually or in a bundle, No. 2.



(3 cases)

Select all	Product ID	Product name	Composition information	Classification result	Label element	Label	Number of Precautionary statements
<input checked="" type="checkbox"/>	TST-0001	TST1	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	2	5cases
<input checked="" type="checkbox"/>	TST-0002	TST2	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	2	5cases
<input type="checkbox"/>	TST-1001	TST1001	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	2	17cases

Language: English ▼ Label output 1 Label3 ▼ Level batch update

2) Click a “Level batch update” button.

A completion message will be shown after it ends.

(3 cases)

Select all	Product ID	Product name	Composition information	Classification result	Label element	Label	Number of Precautionary statements
<input checked="" type="checkbox"/>	TST-0001	TST1	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	3	20cases
<input checked="" type="checkbox"/>	TST-0002	TST2	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	3	20cases
<input type="checkbox"/>	TST-1001	TST1001	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	2	17cases

Language: English ▼ Label output Label3 ▼ Level batch update

The label was successfully updated.

Note: The number of statements will be updated together with a level update.

## 2.6.4. Outputting label element sheet.

1) Search label element data to be outputted. Please refer to 2.6.1. Searching label elements.

2) Enter information required for outputting label element sheet.

- (1) Enter company information, No. 1.
- (2) Decide whether CAS RN will be shown, No. 2.
- (3) Select data to be outputted, individually or in a bundle, No. 3.
- (4) Select language, No. 4.

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Entering information which is necessary for GHS label

**Company (supplier) information**

1

Company name **Required**

Postal code **Required**

Street address **Required**

Tel

E-mail

Fax

**Showing CAS Registry Numbers on label elements** **Required**

2

☒ Display on ☐ Display off

Outputting the label elements based on GHS information of registered mixture (product)

Search terms

Product name  ☒ Partial match of string ☐ Exact match of string

Product ID  ☒ Partial match of string ☐ Exact match of string

Default Precaution Refinement Level

(3 cases)

Select all	Product ID	Product name	Composition information	Classification result	Label element	Label	Number of Precautionary statements
<input checked="" type="checkbox"/>	TST-0001	TST1	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	3	20cases
<input checked="" type="checkbox"/>	TST-0002	TST2	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	3	20cases
<input type="checkbox"/>	TST-1001	TST1001	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	2	17cases

3

4 Language

3) Click a “Label output” button.

Selected data will be outputted in a ZIP file.

# NITE-Gmiccs Operating Manual

Outputting the label elements based on GHS information of registered mixture (product)

Search terms

Product name:  Partial match of string Exact match of string

Product ID:  Partial match of string Exact match of string

Default Precaution Refinement Level:

Search Clear

(3 cases)

Select all	Product ID	Product name	Composition information	Classification result	Label element	Label	Number of Precautionary statements
<input checked="" type="checkbox"/>	TST-0001	TST1	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	3	26cases
<input checked="" type="checkbox"/>	TST-0002	TST2	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	3	26cases
<input type="checkbox"/>	TST-1001	TST1001	<a href="#">Detail</a>	<a href="#">Classification result</a>	<a href="#">Label element</a>	2	17cases

Language: English Label output: Label3 Level batch update

step4.zip で行う操作を選んでください。 開く 名前を付けて保存 ... すべて表示

Note: Label element sheet is comprised of one file for one data.

A ZIP file from multiple Excel files will be exported.

4) A file will be exported in a download folder in your device.

A CSV file will be named according to the following rule.

Note: label + language + date and time of output (yyyymmddhhnn). csv

e.g.: label\_EN\_202104011342.csv if exported at 13:42, April 1, 2021

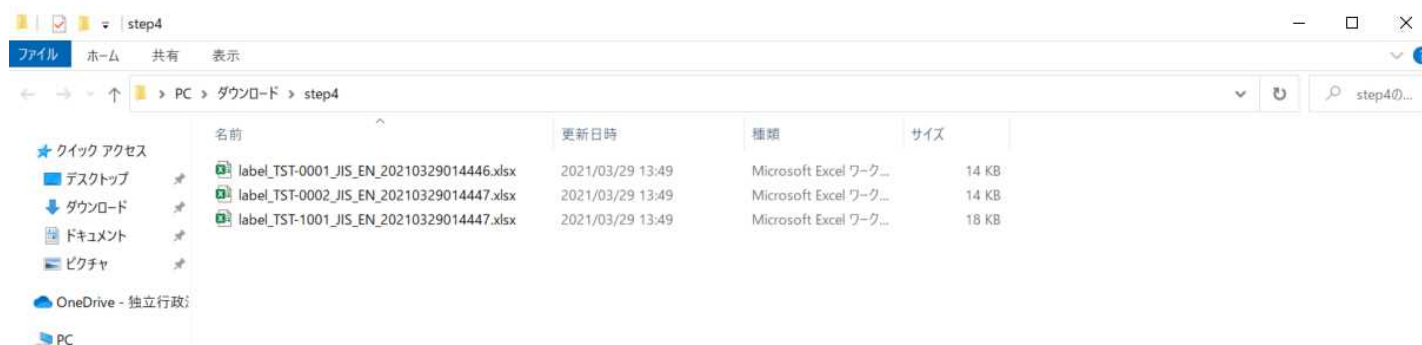
展開 ダウンロード

ファイル ホーム 共有 表示 展開 ツール




PC > ダウンロード >

名前	更新日時	種類	サイズ
▼ 今日 (4)			
step4.zip	2021/03/29 13:46	圧縮 (zip 形式) フォル...	42 KB
step3.zip	2021/03/29 11:07	圧縮 (zip 形式) フォル...	9 KB
step3 (2).zip	2021/03/29 11:05	圧縮 (zip 形式) フォル...	9 KB
step3	2021/03/29 13:25	ファイル フォルダー	

# NITE-Gmiccs Operating Manual



5) You can check files after unzipping on Microsoft Excel.

	A	B	C	D	E	F	G	H	I	J	K
1	TST1										
2	components										
3	o-Phenylenediamine (2.000 %) (CAS RN : 95-54-5)										
4	m-Phenylenediamine (1.000 %) (CAS RN : 108-45-2)										
5	Danger										
6											
7											
8	Dangerous goods hazard information										
9	Harmful if swallowed										
10	May cause an allergic skin reaction										
11	Causes serious eye irritation										
12	Suspected of causing genetic defects										
13	Suspected of causing cancer										
14	Suspected of damaging fertility or the unborn child										
15	Causes damage to organs Respiratory organs,Nervous system,Blood system										
16	May cause damage to organs Respiratory organs,Nervous system,Blood system										
17	Causes damage to organs through prolonged or repeated exposure Nervous system,Blood,Liver,Urinary system										
18	May cause damage to organs through prolonged or repeated exposure Nervous system,Blood,Liver,Urinary system										
19	Very toxic to aquatic life with long lasting effects										

## NITE-Gmiccs Operating Manual

20	Precautionary statements								
21	[Safety measures]								
22	Do not breathe dust/fume/gas/mist/vapours/spray.								
23	Wear protective gloves/protective clothing/eye protection/face protection.								
24	[First-aid measures]								
25	IF exposed or concerned: Call a POISON CENTER/doctor/...								
26	Specific treatment (see ... on this label).								
27	Take off contaminated clothing and wash it before reuse.								
28	[Storage]								
29	[Disposal]								
30	[Handling precautions]								
31	*Enter other special notes on handling.								
32	[UN number]								
33	[Guideline number]								
34	Others								
35	*Enter other precautions that are required by domestic laws and regulations.								
36	Supplier information								
37	Company:Test Co., Ltd.								
38	Postal code:123-45678								
39	Address:Kanda-Jinbocho, Chiyoda-ku, Tokyo								
40	Tel:03-1234-5678								
41	fax:03-1234-5679								
42	e-mail:test-user@nite.co.jp								
43									

### 2.6.5. Registering (importing) mixture GHS classification information at once.

1) Start from a screen for STEP 4 below.

You can use an exported in STEP 3 as an import file.

A template file can be downloaded.

Import the GHS information of the mixture (product) edited by yourself for label creation

[How to create import data](#)

☒ Difference replacement ☐ Replace All

Import

Template

Please refer to the following common specifications.

Common specifications in the system 2.1.5 importing procedures

Note: Please refer to the link “How to create import data”.

2) Click an “Import” button after selecting Difference replacement or Replace All.

# NITE-Gmiccs Operating Manual

Import the GHS information of the mixture (product) edited by yourself for label creation

[How to create import data](#)

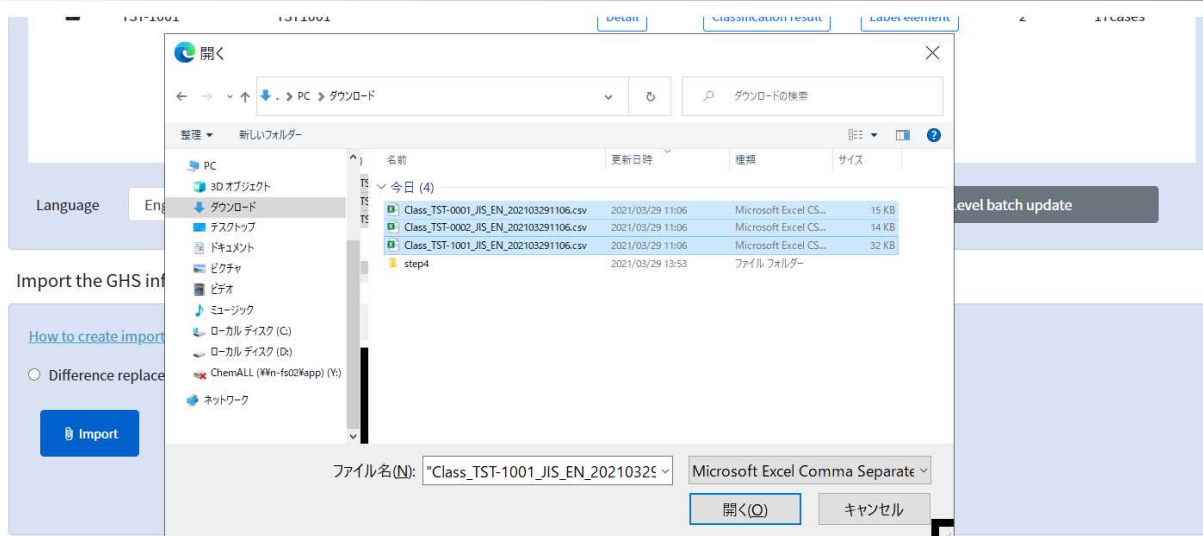
☒ Difference replacement ☐ Replace All

3) Select files to be imported and click “Open.”

**nite** National Institute of Technology and Evaluation  
独立行政法人 製品評価技術基盤機構

[How to use](#) [Registered substances](#) [Classification Logic](#) [About SDS](#) [FAQ](#) [Contact us](#) [Related information](#)

NITE-Gmiccs



Note: You can select multiple files to be imported.

## Supplement 1. Grouping names of target organs

This system can systematically group names of target organs displayed as a classification result of the specific target organ toxicity with according to an original standard.

e.g.:

(Before grouping organs)

Specific target organ toxicity - single exposure

Category 1 (respiratory, upper respiratory tract, nervous system, central nervous system, brain)

↓

(After grouping organ)

Specific target organ toxicity - single exposure

Category 1 (respiratory system, nervous system)

Regarding ON/ OFF of this function, please refer to "2.5.2. Conducting GHS classification."

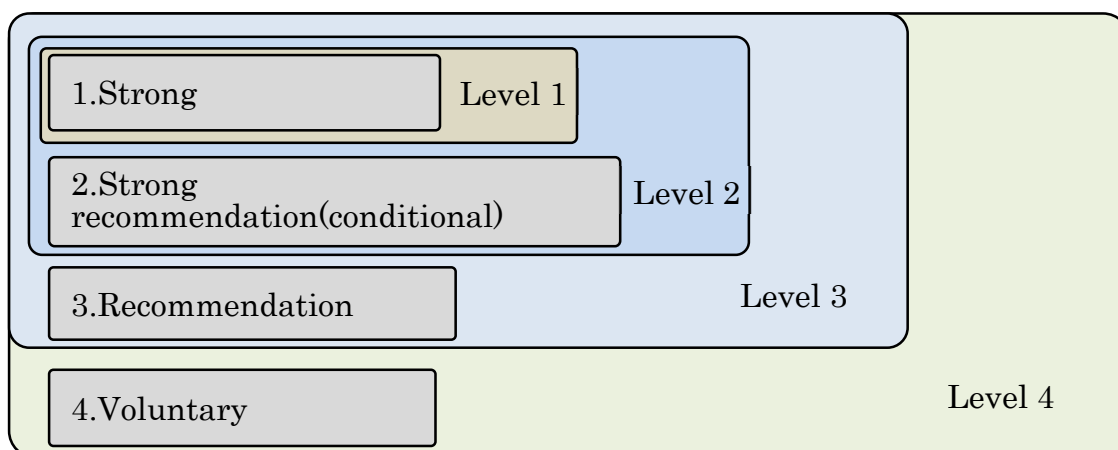
For details, see the attached sheet "About the grouping organs".

## Supplement 2. Narrowing down precautionary statements

Precautionary statements are refined into the following 4 levels based on "7. Guidance on the Selection of Precautionary statements for the CLP Hazard Label" in "Guidance on Labelling and Packaging in Accordance with Regulation (EC) No. 1272/2008," taking into consideration the revised 4th edition of the GHS.

The four refinement levels are as follows, with smaller numbers indicating a higher level of precedence when included on labelling:

1. Strong recommendation (for industrial/professional users)
2. Strong recommendation (in consideration of applications other than [1] above)
3. Recommendation
4. Voluntary



The information, please refer to "2.6.2.1. Updating labels " for setting the specified value of the notes

### Supplement 3. GHS classification for water

There is no GHS classification for water (CAS: 7732-18-5) by the Japanese Government. However, this system registers water in initial settings. The classifications are “Not classified” or “Not classified (Not applicable)” for all.

### Supplement 4. United Nations (UN) number

This number is added to a substance and product which has danger in transporting. If United Nations judges the product or substance as dangerous, this number is added to it. This system has a function to estimate physical hazards based on a UN number. Therefore, if a target product has a UN number, please make sure to enter it.

<Update history>

Revision date	Material	Reason	Version
31, March, 2021	Whole		1.00
28, May, 2021	Whole	minor corrections	1.01