

JAMP AIS Input Support Tool Ver.4.1 Operation Manual

June 25, 2013



Copyright 2013 JAMP. All Rights reserved.

Contents

| | |
|---|-----------------|
| JAMP AIS Input Support Tool Ver.4.1 Operation Manual..... | 1 |
| <u>1. Introduction</u> | <u>1</u> |
| 1.1. Content of This Document..... | 1 |
| 1.2. System Requirement..... | 1 |
| 1.3. Notation in This Document..... | 2 |
| <u>2. Method of Using Input Support Tool</u> | <u>3</u> |
| 2.1. Assumed Usage Example..... | 3 |
| 2.2. Unassumed Usage Example..... | 3 |
| <u>3. Operating of Input Support Tool.....</u> | <u>4</u> |
| 3.1. Starting Input Support Tool | 4 |
| 3.1.1. Placing External List..... | 4 |
| 3.1.2. Enabling Macros | 4 |
| 3.1.3. Description Sheet- Selecting Functions..... | 6 |
| 3.1.4. Checking External List Version..... | 6 |
| 3.1.5. Selecting Operation Mode..... | 7 |
| 3.1.6. Selecting Language..... | 7 |
| 3.2. General Information Sheet..... | 7 |
| 3.2.1. AIS Information | 9 |
| 3.2.2. Issuing company Information..... | 10 |
| 3.2.3. Article Information | 10 |
| 3.2.4. Composition Information | 11 |
| 3.2.5. Other Information | 12 |
| 3.3. Operating General Information Sheet..... | 12 |
| 3.3.1. Import XML Button | 12 |
| 3.3.2. Clear General Information Button | 14 |
| 3.4. Composition List Sheet | 15 |
| 3.4.1. Level | 15 |
| 3.4.2. Component | 16 |
| 3.4.3. Material | 16 |
| 3.4.4. Substance | 18 |
| 3.4.5. Concerned Regulation or Other Documents Indicated by JAMP..... | 19 |
| 3.5. Operating Composition List Sheet..... | 22 |
| 3.5.1. All Clear Button | 22 |
| 3.5.2. Selected Row Delete Button..... | 22 |
| 3.5.3. Calculation Button | 22 |

| | | |
|------------------|---|------------------|
| 3.5.4. | Update Substance Info Button..... | 24 |
| 3.5.5. | Error Check Button..... | 25 |
| 3.5.6. | Export XML/Temporally SAVE Buttons | 26 |
| 3.6. | Selection Screen of Composition List Sheet..... | 28 |
| 3.6.1. | Select Substance Screen (Detailed Description) | 28 |
| 3.6.2. | REACH Annex XVII/POPs Annex I Select Substance Use Screen | 30 |
| 3.6.3. | Select ELV Exemption..... | 30 |
| 3.6.4. | Select RoHS Exemption..... | 32 |
| 3.7. | Requester Information Sheet | 33 |
| 3.8. | Setting Sheet..... | 34 |
| 3.8.1. | Initial setting | 34 |
| 3.8.2. | Publisher Template..... | 34 |
| 3.8.3. | Requester Template | 35 |
| 3.8.4. | Save Settings..... | 35 |
| 3.9. | Integration Sheet..... | 35 |
| 3.9.1. | Adding Files | 36 |
| 3.9.2. | Files that can not be used for Integration..... | 36 |
| 3.9.3. | Deleting Files | 37 |
| 3.9.4. | Checking Content of Added AIS | 37 |
| 3.9.5. | Integration | 37 |
| <u>4.</u> | <u>Troubleshooting</u> | <u>39</u> |
| 4.1. | If Error Occurs and You Cannot Proceed to Next Step..... | 39 |
| 4.2. | Malfunction Due to Bugs in Microsoft Excel..... | 39 |
| 4.3. | Malfunction Due to Settings in Microsoft Excel..... | 39 |

Office of Joint Article Management Promotion-consortium (JAMP)
c/o Japan Environmental Management Association For Industry (JEMAI)
Mitsui-Sumitomo Bank Kanda Ekimae Bldg. 7F 2-2-1 Kaji-cho, Chiyoda-ku,
Tokyo 101-0044 Japan
E-mail: jump@jemai.or.jp

1. Introduction

1.1. Content of This Document

This is the operation manual for AIS Input Support Tool, which was produced by JAMP.

The following chapters describe the operation of the tool:

2 Method of Using Input Support Tool

This chapter indicates main methods of using the tool and introduces parts to be referred to for each application.

3 Operating of Input Support Tool

This chapter describes the method of operating each part of the tool.

4 Troubleshooting

This chapter picks up problems that are likely to occur in using the tool and shows the solutions to them.

1.2. System Requirement

The Input Support Tool requires the following specifications:

- Windows XP Service Pack3 or later
- Versions over Microsoft Excel 2003 and under Excel 2010
- Screen resolution: 1024 x 768 dots or higher

Ownership and copyright

This Tool has been produced by JAMP, which is the legal owner and copyright holder. The Tool must not be sold either as a single product or in combination with any other product(s). JAMP also prohibits any combination of the whole or any part of the tool with any other tool. Should you wish to effect such a combination, please consult JAMP in advance.

Distribution

JAMP hereby allows the Tool to be copied and distributed provided that the Tool is to be used to create JAMP AISs.

Disclaimer

JAMP assumes no liability whatsoever for any damage resulting from the possession and/or use of this tool. In addition, JAMP has no obligation with respect to the correction of any error made with the Tool or the maintenance thereof. The information on substances to be reported contained in the Tool is intended only to support the user's input of such information. Therefore, where a user uses the Tool to search for relevant legal regulations, to collate CAS Nos., etc., the user and the user alone shall be held liable for the substance-related information resulting from such search, collation, etc. JAMP shall not be held liable in any way for such information. The user shall therefore assume full liability with respect to any information he/she prepares in an AIS using this Tool.

1.3. Notation in This Document

XML

AIS files are saved in XML file format. "XML" in this document and in the Input Support Tool refers to XML file format of AIS.

Earlier Versions

This document and the Input Support Tool based on Ver. 4.0 and 4.1. The "earlier versions" in this document refer to Ver. 3.0- Ver.3.1 based on earlier versions.



This icon refers to modifications from the earlier versions and precautions in operation.



This icon refers to prohibitions in operation and warnings of undesirable operation.

2. Method of Using Input Support Tool

2.1. Assumed Usage Example

Usages like the following examples are intended for AIS Input Support Tool.

Referring to Existing AIS

You can import and refer to the existing AIS as follows.

- For a method of starting the Edit mode, refer to "3.1.5 Selecting Operation Mode (Page 7)."
- For importing the existing AIS, refer to "3.3.1 Import XML Button (Page 12)."
- If you check the content of the existing AIS, refer to "3.5.5 Error Check Button (Page 25)."

Creating New AIS

Inputs information into each sheet of the tool and exports AIS in xml format.

- If there is information already entered, you have to initialize the entered information before creating new AIS.
For initializing operation, refer to "3.3.2 Clear General Information Button (Page 14)" and "3.5.1 All Clear Button (Page 22)."

Creating New AIS with existing AIS

For revising the AIS produced by your own company, updating the format of an earlier version, and editing similar AIS based on the existing AIS, it is easy to import and edit the AIS and re-export it as another AIS.

- For importing the existing AIS, refer to "3.3.1 Import XML Button (Page 12)."
- If the Substance list was updated in the AIS of Ver. 4.1, there is a case where you want to update with a new Substance list to the existing. For the purpose, refer to "3.5.4 Update Substance info Button (Page 24)."

Integrating Existing AIS for relevant Product

Combines AIS of original parts or unit to create integrated AIS.

- For starting the Integrate mode, refer to "3.1.5 Selecting Operation Mode (Page 7)."
- For integration, refer to "3.9 Integration Sheet (Page 35)."

2.2. Unassumed Usage Example

Distributing Tool file itself with the data as a response

The Input Support Tool is a tool for viewing and creating AIS and is not the data itself.

It is not assumed to distribute Excel files of this tool with various types of information entered for communication.

3. Operating of Input Support Tool

3.1. Starting Input Support Tool

This section describes precautions in starting the Input Support Tool.

3.1.1. Placing External List

The Input Support Tool does not run without the Substance list, Material list, and other necessary list. These lists are separated from the tool itself in version 4.0 and compiled as an external list. Place the external list file available in the JAMP web site into the folder that includes the Input Support Tool. The external list file will be updated when Substance list is revised. Note that the file names shown in the figure are based on the data available at the time when this manual was issued and are subject to change in future. Please use the latest external list. The file name of the external list is "JAMP_MSDSplus_AIS_EXLIST_YYYYMMDD."



When you place the external list, do not change the file name.

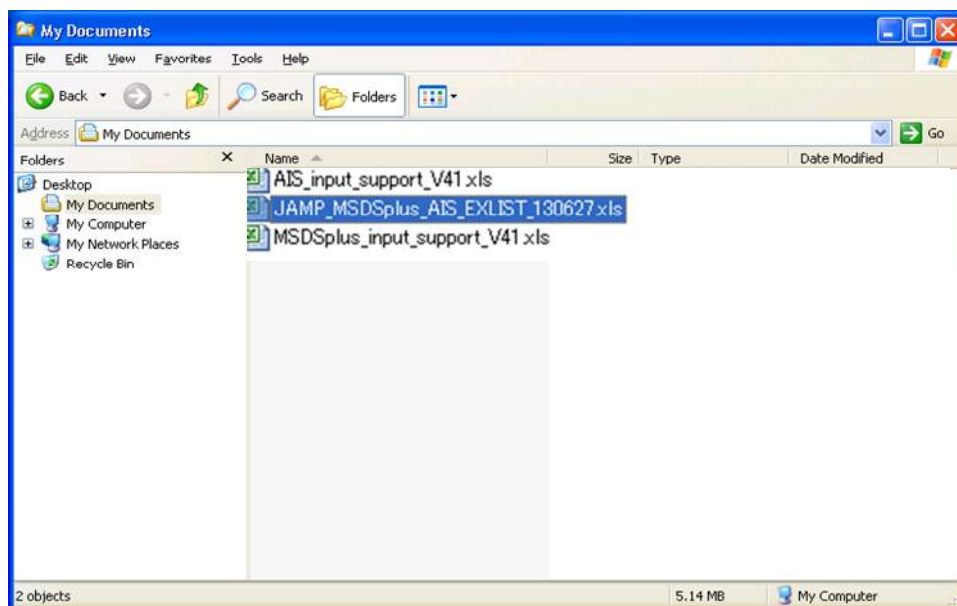


Figure 3-1 Placing External List

3.1.2. Enabling Macros

You have to enable macros, because this tool works with the macro feature of Microsoft Excel. A method of enabling macros varies depending on the version of Excel.

Excel 2002/2003

In Excel's menu "Tools" -> "Macro" -> "Security" -> "Security Level" page, set the level to medium and start up this tool (Excel file).

In the screen that appears first from Excel, click "Enable Macros".

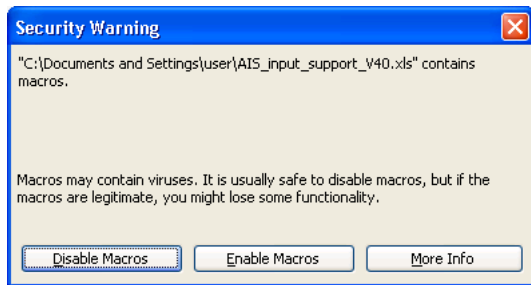


Figure 3-2 Enabling Macros in Excel 2003 or Earlier

Excel 2007

After you start up this tool, Security Warning appears below the Excel menu (the toolbar on the upper part of the screen). Click "Options ...". The Microsoft Office Security Options screen appears. Select "Enable this content".

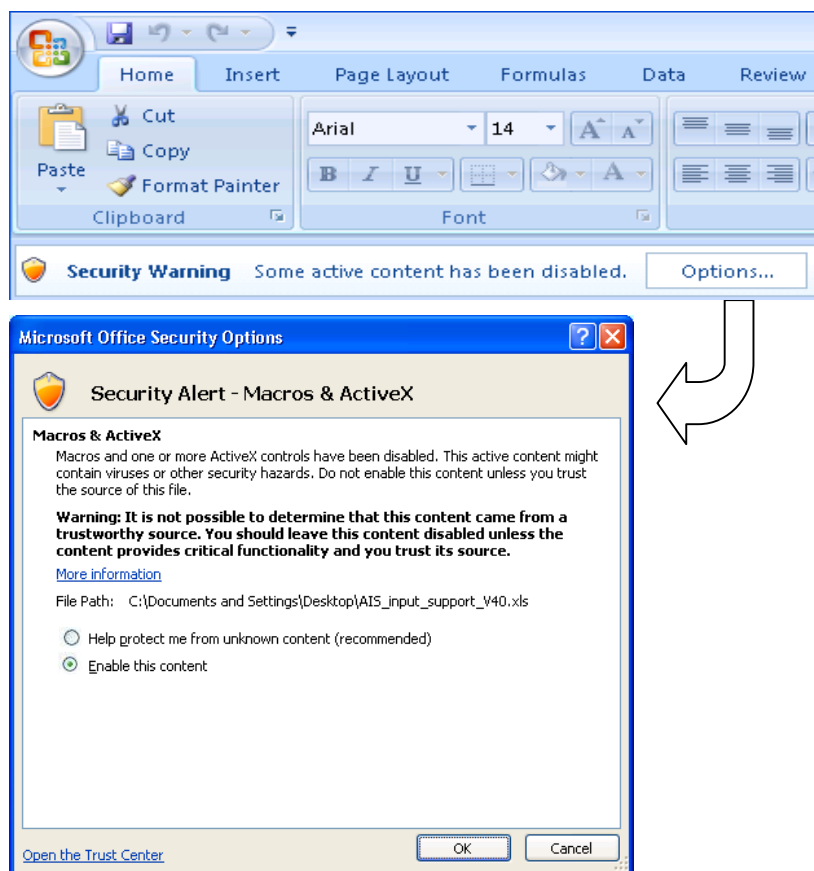


Figure 3-3 Enabling Macros in Excel 2007

Excel 2010

After you start up this tool, Security Warning appears below the Excel menu (the toolbar on the upper part of the screen). Click "Enable Content".

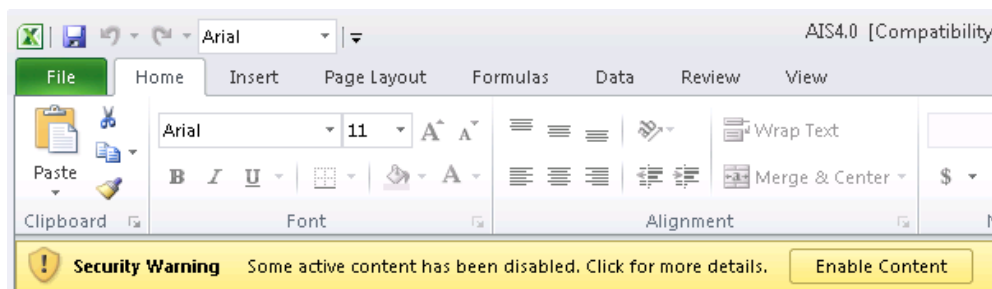


Figure 3-4 Enabling Macros in Excel 2010

3.1.3. Description Sheet- Selecting Functions

After the Input Support Tool is started, the description sheet appears first. Note that the material list and substance list contain the most up-to-date data available at the time when this manual was issued and they are subject to change in future.

| Input support tool of JAMP AIS version 4.1 | | | | | |
|---|--|---------------|------|----------------|-------|
| <p>This tool provides functions such as filling, editing, viewing, and integrating to support you AIS operation.</p> <p>[Edit AIS] mode provides functions to create original AIS and edit AIS already exist. [Integrate AIS] mode provides function to integrate an AIS from multiple AIS. Click [Edit AIS] button to enter AIS Edit mode, or click [Integrate AIS] button to enter Integrate AIS mode.</p> <p>For detail of each item, please see Tool operation manual and AIS manual.</p> | | | | | |
| Start-up the tool | | | | | |
| <p>Operating environment is as follows.</p> <ul style="list-style-type: none"> -Versions higher than Windows XP SP3 -Versions over Excel 2003 and under Excel 2010 -Higher than Screen resolution of 1024 x768 <p>This tool must be enabled Excel macros as it is created by programming macros in Excel. In case of using it in Excell 2003, click the button to enable macros.</p> <p>- In the case of Excel 2002, 2003 When you start up the Excel file containing this Tool, the confirmation dialog appears first. Select "Enable macros." This confirmation screen might not appear, depending on the Excel security level setting.</p> <p>- In the case of Excel 2007 or later After you start up this Tool, a security warning appears below the Excel menu (The toolbar on the upper part of the screen). Click on "Options ...". The Security Option screen appears. Then Choose "Enable this content."</p> | | | | | |
| About External List | | | | | |
| <p>This tool is able to run with the external list file that contains Substance list ,Material list, and necessary list of applicable laws such as exemptions. Executing this tool, the tool file and the external list file must be placed to the same folder.</p> <p>The name of external list file is "JAMP_MSDSplus_AIS_EXLIST_yyyymmdd.xls" Herein yyyymmss represents date of issuing. Versions of Substance list is shown below of this sheet.</p> <p>The external list file will be updated when Substance list is revised. Please use a latest external list.</p> <p>Click [Confirm Latest Version] button to confirm its latest version, This function accesses latest version info. located on JAMP Web site and compare to that of on local folder. This function also works at the tool start-up.</p> <p>For environment that cannot access internet, there is option to be disable internet access at start-up in Functional Option sheet.</p> | | | | | |
| External List | <table> <tr> <td>Material List</td><td>2.01</td></tr> <tr> <td>Substance List</td><td>4.000</td></tr> </table> | Material List | 2.01 | Substance List | 4.000 |
| Material List | 2.01 | | | | |
| Substance List | 4.000 | | | | |

Figure 3-5 Description Sheet

3.1.4. Checking External List Version

If you start up the Input Support Tool when you can connect to the Internet, the following dialog (Figure 3-6 or Figure 3-7) appears, depending on the condition of the external list.

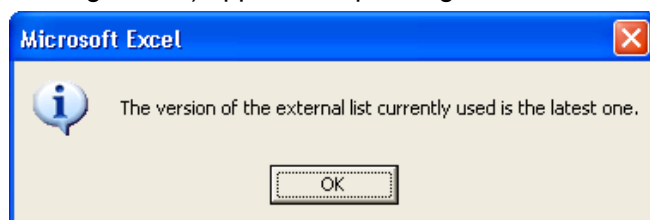


Figure 3-6 External List Version Check Result (1)

This indicates the result of connecting the JAMP web site to see whether the external list file placed in the same folder is the latest one. If a newer external list file has been released, the following dialog appears. In this case, download the latest version of external list from the JAMP web site, place it in the same folder, and then open the tool again.

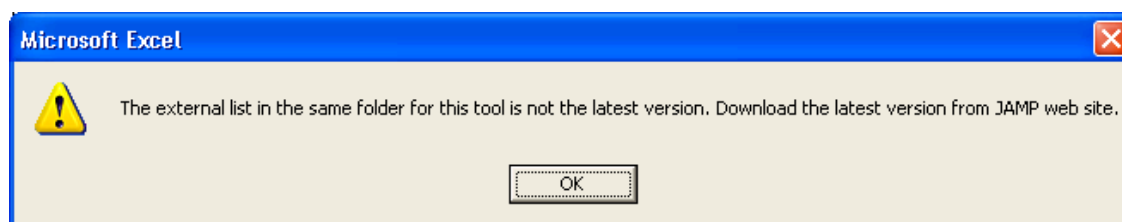


Figure 3-7 External List Version Check Result (2)

3.1.5. Selecting Operation Mode

In the AIS description sheet, you can select which function to use by selecting the "Edit AIS" button or the "Integrate AIS" button. If you click either of the following two buttons, a sheet to be used for each function appears.



Figure 3-8 Mode Selection Buttons

Edit Mode

Selecting the "Edit AIS" button will change to the Edit mode. Create new AIS, or refer to and edit the existing AIS in this mode.

(For a function in VER 3.1, "12 JAMP AIS (ver3.10) Input supporting tool" is related to this mode.)

Integrate Mode

Selecting the "Integrate AIS" button will change to the Integrate mode. Integrate the existing AIS in this mode.

(For a function in VER 3.1, "14 AIS (ver3.1) tool for Integration and simplification" is related to this mode.)

For details of the Integrate mode, refer to "3.9 Integration Sheet (Page 35)."



If you want to switch modes during operation (for example, if you want to edit the AIS to integrate it), return to the description sheet and select this button again.

3.1.6. Selecting Language

This tool supports Japanese, English, and Chinese. If you want to change the language of the tool, select the Edit mode and then switch languages by using "Setting Sheet (Page 34)."

3.2. General Information Sheet

This is the sheet to enter general information of AIS .

Be sure to enter information of the items marked with *. If information is not entered for a required item, the cell is displayed in orange. The items in gray fields are automatically set by the tool and cannot be edited manually. Note that this sheet contains the most up-to-date figures available at the time when this manual was issued and they are subject to change in future.

| | | | |
|--|--|--|--|
| <div>Import XML</div> <div>Clear General Information</div> | | Please fill in the information within the bold lines. * Marked Column: Required Field | |
|--|--|--|--|

1. AIS Information

| | | |
|----------------------------|--------------------|------------------|
| Format Version | | Ver.4.1 |
| List | Material List | 2.01 |
| | Substance List | 4.000 |
| GP(Global Portal) Sheet ID | | 9999999999999999 |
| Sheet Reference Number | | |
| Original | Issued Date * | |
| Revision | Latest Issued Date | |
| | Revision History * | 1 |

2. Issuing company Information

| | | |
|---------------------------------------|--------------------|-----------------|
| | | Import Template |
| Company Name | Alphanumeric * | |
| | Mother Language | |
| Company ID | ID Organizer | |
| | Entity ID | |
| Issuing Department | Department Name * | |
| | Address * | |
| | Telephone Number * | |
| | FAX Number | |
| Email Address | | |
| Department in Charge of Preparing AIS | Department Name | |
| | Telephone Number | |
| Remarks | | |

3. Article Information

| | | |
|---|-----------------|--|
| Manufacturer Name * | | |
| Common Product Name * | | |
| Issuing Company Item Number | Alphanumeric * | |
| | Mother Language | |
| Multiple Product Name/Product Series Name | | |
| Remarks | | |

4. Composition Information

| | | |
|--|----------------|---|
| Article | Unit type * | piece |
| | Mass * | |
| | Unit of Mass * | g |
| Declaration Concerning Composition Information * | | 1.This article is confirmed to contain declarable substances within the scope of Concerned Regulation or Other Documents Indicated by JAMP. |
| Total Amounts of Material | | Calculation |
| GADSL | | 1.covers GADSL scope |
| JIG | | 1.covers JIG scope |

5. Other Information

| | |
|--|--|
| Reference Documents, Restrictions, Notes | |
|--|--|

Figure 3-9 General Information Sheet

Considerations for entering information of the items are described on the pages that follow.
(For details of all the items, refer to "AIS preparation manual".)

3.2.1. AIS Information

Information of AIS itself is entered in these fields. Note that Figure 3-10 contains the most up-to-date figures available at the time when this manual was issued and they are subject to change in future.

1. AIS Information

| | | |
|----------------------------|--------------------|------------------|
| List | Format Version | Ver.4.1 |
| | Material List | 2.01 |
| | Substance List | 4.000 |
| GP(Global Portal) Sheet ID | | 9999999999999999 |
| Sheet Reference Number | | |
| Original | Issued Date * | |
| Revision | Latest Issued Date | |
| | Revision History * | 1 |

Figure 3-10 AIS Information (General Information Sheet)

Format Version

Format version of the AIS in editing (Ver. 4.0 shown here).

If you import an earlier version of AIS, a format version of Ver. 3.1 or earlier is displayed. However, if you update the substance information, it is regarded as being converted and exported in a new format, and the format version is also updated to Ver. 4.0.

Material List and Substance List

Version of the material list and substance list of the AIS imported.

The version of the imported AIS is displayed. However, if you update the substance information, it is regarded as being converted and exported in a new format, and the version is updated to the list version of the external list.

Original/Issued Date

Enter the date when you issued the AIS first.

(If you use the "Clear General Information" button for initialization, the current date is automatically entered.)

Revision/Latest Issued Date and Revision History

For the Latest Issued Date, enter the latest date when you revised the AIS. If it is the original, you do not have to fill in the field. However, if it has been revised (the Revision History is other than 1), you have to fill it in.

For the Revision History, enter the revision number in an integer (enter 1 for the original, and increase the value by 1 for each revision after that).

3.2.2. Issuing company Information

Issuing company's information for the company that issued the AIS is entered in these fields.

| 2. Issuing company Information | | Import Template |
|---------------------------------------|--------------------|-----------------|
| Company Name | Alphanumeric * | |
| | Mother Language | |
| Company ID | ID Organizer | |
| | Entity ID | |
| Issuing Department | Department Name * | |
| | Address * | |
| | Telephone Number * | |
| | FAX Number | |
| Department in Charge of Preparing AIS | Email Address | |
| | Department Name | |
| | Telephone Number | |
| Remarks | | |

Figure 3-11 Issuing company Information (General Information Sheet)

Company Name/Spelling in Alphanumeric and Mother Language

In the "Alphanumeric" field, only the so-called single-byte alphanumeric and symbol characters can be entered.

In the "Mother Language" field, enter the issuing company name in Japanese or other native languages, as in the case of an earlier version.



When you import an earlier version of AIS, the conventional issuing appears the "Alphanumeric" field. If it contains Japanese characters and is not changed, an error occurs during export. When you update it from an earlier version, enter the name in the "Mother Language" field and fill in the "Alphanumeric" field separately.

Import from Template for company information

If you click the "Import Template" button, the information entered in the "Publisher Template" field in the "Setting" sheet is copied. Since the same issuing company information is entered repeatedly in multiple AIS, you can create AIS efficiently by using this function.

3.2.3. Article Information

Enter information of the articles.

3. Article Information

| | | |
|---|-----------------|--|
| Manufacturer Name * | | |
| Common Product Name * | | |
| Issuing Company Item Number | Alphanumeric * | |
| | Mother Language | |
| Multiple Product Name/Product Series Name | | |
| Remarks | | |

Figure 3-12 Article Information (General Information Sheet)

Issuing Company Item Number/Alphanumeric and Mother Language

In the "Alphanumeric" field, only single-byte alphanumeric and symbol characters can be entered.

In the "Mother Language" field, enter the issuing company item number in Japanese or other languages, as in the case of an earlier version.



When you import an earlier version of AIS, the conventional issuing company item number is import the "Alphanumeric" field. For the issuing company item number of an earlier version, some symbols could not be entered. In Ver. 4.0 or later, you can also enter symbols such as a slash if it is single-byte.

The alphanumeric issuing company item number is used as part of the file name during the XML export. The symbol characters that cannot be used as a file name are converted into "_" in the file name.

Example: When the item number is "JAMP/SMPL001," the file name contains "JAMP_SMPL001."

3.2.4. Composition Information

Enter the outline of the composition information of articles (details are entered in the composition list sheet).

4. Composition Information

| | | |
|--|----------------|---|
| Article | Unit type * | piece |
| | Mass * | |
| | Unit of Mass * | g |
| Declaration Concerning Composition Information * | | 1.This article is confirmed to contain declarable substances within the scope of Concerned Regulation or Other Documents Indicated by JAMP. |
| Total Amounts of Material | | Calculation |
| GADSL | | 1.covers GADSL scope |
| JIG | | 1.covers JIG scope |

Figure 3-13 Article Information (General Information Sheet)

Article/Unit type

For the Unit type, the information to enter is selected. Select an item from the input list.

Article/Mass and Unit of Mass

For the Unit of Mass, Select an item from the input list.

Declaration Concerning Composition Information

Select whether the article contains declarable substances within the scope of Concerned Regulation or Other Documents Indicated by JAMP or not.



During XML export, it is checked whether the declaration is consistent with the content of the composition list. If the field says that the article is confirmed to contain such substances, but the composition list does not have the information (or vice versa), it is displayed as an error during export.

Total Amounts of Material mass

You cannot enter information for this item. Clicking the "Calculation" button calculates the total amounts of the material mass and the proportion of the material in the article and displays the data.

At the same time, it displays the total amounts of material mass and the total amounts of substance in the "Calculation" sheet. For more information, refer to "3.5.3 Calculation Button (Page 22)".

GADSL and JIG

In Ver. 4.0 and 4.1, this field is fixed, and "covered" is required.



When you import in an earlier version, "not covered" may be displayed according to the import data. If you export the data as Ver. 4.0, you have to update it to "covered." For more information, refer to "3.5.4 Update Substance (Page 24)."

3.2.5. Other Information

Enter reference documents, restrictions, and notes.

5. Other Information

| | |
|--|--|
| Reference Documents, Restrictions, Notes | |
|--|--|

Figure 3-14 Other Information (General Information Sheet)

3.3. Operating General Information Sheet

This section describes the operation of the buttons displayed at the top of the general information sheet.

3.3.1. Import XML Button

This section describes how to import the existing AIS.

If you press the "Import XML" button in the general information sheet, a dialog for selecting AIS to import appears, and the importing process is performed by specifying the AIS in the dialog.

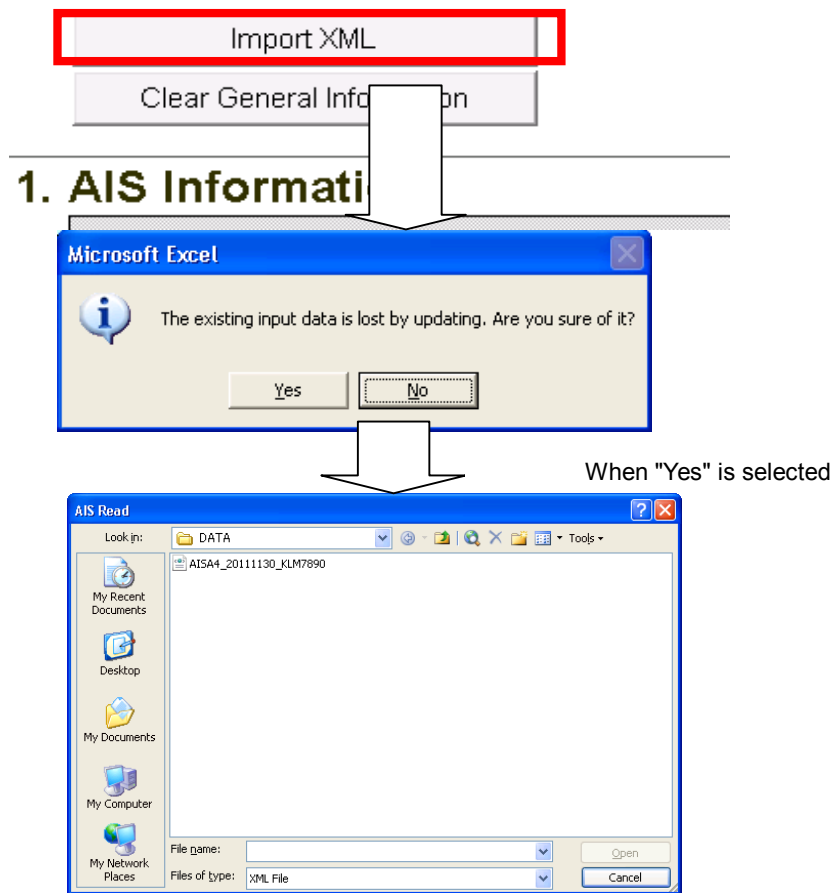


Figure 3-15 Procedure of Operating "Import XML"

File Formats That Can Be Imported by AIS Input Support Tool

You can select the following files:

- Files for original parts or integrated AIS4.0 (File name: "AISA4_yyyymmdd_xxxx.xml") herein yyyymmdd represents date of issuing and xxxx represents product item number
- AIS containing errors (File name: "AISA4_Error_yyyymmdd_xxxx.xml") herein yyyymmdd represents date of issuing and xxxx represents product item number
- Temporarily saved AIS (File name: "AISB4_Temp_yyyymmdd_xxxx.xml") herein yyyymmdd represents date of issuing and xxxx represents product item number
- Earlier version of AIS (File name: "AISA_yyyymmdd_xxxx.xml") herein yyyymmdd represents date of issuing and xxxx represents product item number



Because the Input Support Tool can be used as a reference tool for the existing AIS, an earlier version of AIS can be imported even if it is simplified AIS.

XML Importing Process

If the number of rows entered in the composition list is many, it may take a lot of time to import AIS.

During the import process, the bottom left status bar shows "Importing xml..."



Figure 3-16 Status Bar Showing "Importing xml..."

After importing is completed, the completion message is displayed.



Figure 3-17 XML Importing Completion Message

3.3.2. Clear General Information Button

You can use the "Clear General Information" button to clear all the inputs in the composition list.

Note that if you use this button in the middle of an input, all the content is erased and cannot be undone.

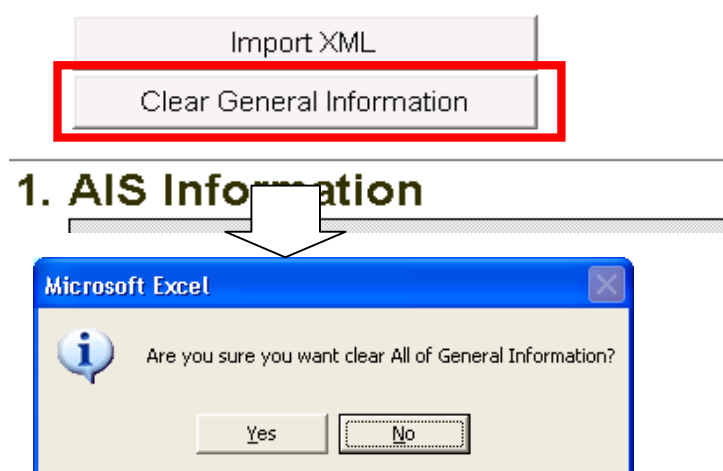


Figure 3-18 Clearing General Information

When you import an earlier version of AIS, not only the general information sheet but also the composition list is cleared.

If you want to save the content of the composition list, update the substance information (Page 24) and then use the "Clear General Information" button.

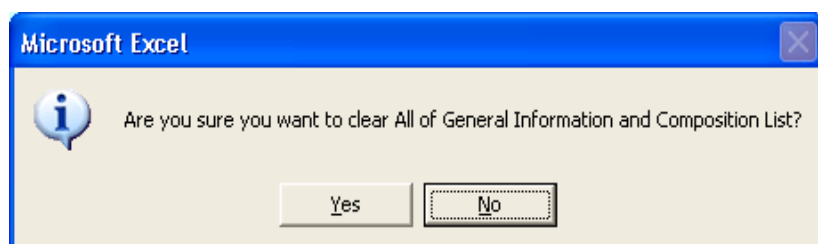


Figure 3-19 clearing General Information (when an earlier version is open)

3.4. Composition List Sheet

This sheet is used to enter details of the composition of articles.

Be sure to enter information of the items marked with *. If information is not entered for a required item, the cell is displayed in orange. The items in gray fields are automatically set by the tool and cannot be edited manually.

4. Composition Information

| | | | | | | | | | |
|---------------------|--|-----------------------|--|-------------|--|------------------|--|------------|--|
| All Clear | | Calculation | | | | | | | |
| Delete selected row | | Update Substance Info | | Error Check | | Temporarily SAVE | | Export XML | |

| Level | | Component | | Material | | | | |
|-------|----------|-----------|------------|----------|-------------------------|------|--------|--------|
| Add | | Add | | Select | Add | | | |
| Name | Quantity | Name * | Quantity * | Use * | Classification Number * | Name | Mass * | Unit * |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| Substance | | | | | | | |
|----------------------------------|---------|------------|----------------|---------------|------|------|---------|
| | | Select | Add | | | | |
| Material Code of Public Standard | Remarks | CAS Number | Substance Name | Concentration | Mass | Unit | Remarks |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Concerned Regulation or Other Documents Indicated by JAMP | | | | | | | | | | | | | |
|---|---------|----------------------|---------|------------|---------|------------------|---------------|--------------|---------------|------------|----------------------|------------|----------------------|
| SVHC | | CLP Annex VI CMR 1,2 | | ESIS PBT | | REACH Annex XVII | | POPs Annex I | | ELV | | RoHS | |
| Applicable | Remarks | Applicable | Remarks | Applicable | Remarks | Applicable | Substance Use | Applicable | Substance Use | Applicable | Exempted Application | Applicable | Exempted Application |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| GADSL | | IEC62474/JIG | | Voluntary Declarable Substances | |
|------------|---------|--------------|---------|---------------------------------|---------|
| Applicable | Remarks | Applicable | Remarks | Applicable | Remarks |
| | | | | | |
| | | | | | |
| | | | | | |

Figure 3-20 Composition Information (separated because it is long sideways)

The composition list is tree-structured and divided into the Level, Component, Material, and Substance. A method of entering each item is described in the sections that follow. For the operation of the buttons at the top of the screen, refer to "3.5 Operating Composition List Sheet (Page 222)."

3.4.1. Level

The structure of an integrated article is entered as levels in these fields (up to 5000 levels can be entered).

If you newly create original part AIS, you do not have to enter the level information, and the fields are blank. For integrated AIS, the level name and level quantity are entered.

| Level | |
|-------|----------|
| Add | |
| Name | Quantity |
| | |
| | |
| | |
| | |

Figure 3-21 Level Input Fields



In AIS 4.0 or later, it is required to enter both the Name and Quantity when you enter the Level.

Adding Levels

You can use the "Add" button in the Level column to add rows by the level unit.

3.4.2. Component

Information of the components in the lowest level is entered in these fields (up to 1000 components can be entered for one level).

It is required to enter information for all AIS.

| Component | |
|-----------|----------|
| Add | |
| Name | Quantity |
| * | * |
| | |
| | |
| | |
| | |

Figure 3-22 Component Input Fields

Adding Components

You can use the "Add" button in the Component column to add rows by the component unit for one level.

3.4.3. Material

The materials, mass, and other information of a component are entered in these fields (up to 50 materials can be entered for one component).

It is required to enter information of the Use, Classification Number, Mass, and Unit for all AIS.

| Material | | | | | | |
|----------|-------------------------|------|--------|--------|----------------------------------|---------|
| Select | | Add | | | | |
| Use * | Classification Number * | Name | Mass * | Unit * | Material Code of Public Standard | Remarks |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Figure 3-23 Material Input Fields

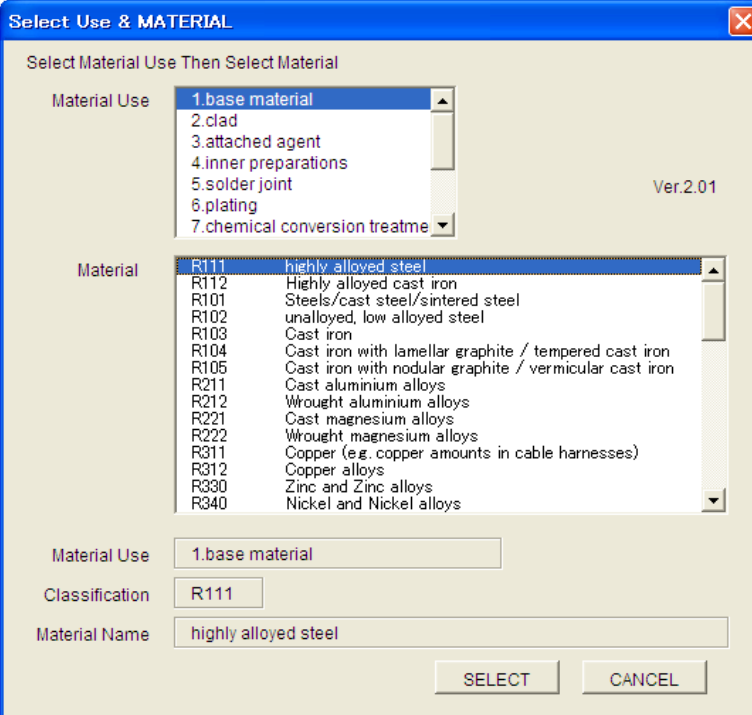
Adding Materials

You can use the "Add" button in the Material column to add rows by the material unit for one component.

Selecting Materials

Select a cell where you want to enter materials and press the "Select" button in the Material column, and the material selection dialog appears.

Select the Material Use and Material from the options and click "SELECT". The Material Use, Classification Number, and Material Name are entered in the selected cell (if you click the "CANCEL" button, the screen closes without input into the component list).



The dialog box titled "Select Use & MATERIAL" contains two main sections. The top section, "Select Material Use Then Select Material", includes a "Material Use" dropdown menu with options: 1.base material, 2.clad, 3.attached agent, 4.inner preparations, 5.solder joint, 6.plating, and 7.chemical conversion treatme. The bottom section, "Material", includes a list box with various material codes and names, such as R111 highly alloyed steel, R112 Highly alloyed cast iron, R101 Steels/cast steel/sintered steel, R102 unalloyed, low alloyed steel, R103 Cast iron, R104 Cast iron with lamellar graphite / tempered cast iron, R105 Cast iron with nodular graphite / vermicular cast iron, R211 Cast aluminium alloys, R212 Wrought aluminium alloys, R221 Cast magnesium alloys, R222 Wrought magnesium alloys, R311 Copper (e.g. copper amounts in cable harnesses), R312 Copper alloys, R330 Zinc and Zinc alloys, and R340 Nickel and Nickel alloys. At the bottom, there are input fields for "Material Use" (showing 1.base material), "Classification" (showing R111), and "Material Name" (showing highly alloyed steel). There are also "SELECT" and "CANCEL" buttons.

Figure 3-24 Material Selection Screen



In AIS 4.0 or later, it provides selectable combination between material classification and use in the tool. (However, it is no problem even if it is an earlier version of data and does not support the material use and material classification, in data communication).

3.4.4. Substance

The substances, concentration, and other information of a material are entered in these fields (up to 50 substances can be entered for one material).

| Substance | | | | | |
|------------|----------------|---------------|------|------|---------|
| Select | | Add | | | |
| CAS Number | Substance Name | Concentration | Mass | Unit | Remarks |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Figure 3-25 Substance Input Fields

Adding Substances

You can use the "Add" button in the Substance column to add rows by the substance unit for one material.

Selecting Substances

Select a cell where you want to enter substances and press the "Select" button in the Substance column, and the Select Substance dialog appears.

Select the substance from the options and click "SELECT". The CAS No., Substance Name, and applicable flag of each regulation are entered in the selected Substance row (if you click the "CANCEL" button, the screen closes without input in the component list).

Select Substance

Filter Substance list

☐ EU01 ☐ EU04 ☐ OT01
☐ EU02 ☐ EU05 ☐ IA01
☐ EU03 ☐ EU06 ☐ IA02

Search by

☒ Match Partial
☐ Match Whole

Sort by

Ver. 4.000

| CAS | EC No. | NAME |
|-------------|-----------|---|
| 10022-31-8 | 233-020-5 | Barium-nitrate |
| 10022-48-7 | 600-038-3 | Chromic acid (H ₂ CrO ₇), dilithium salt, dihydrate |
| 10022-68-1 | | Cadmium nitrate tetrahydrate; Cadmium nitrate |
| 100231-59-2 | 309-359-0 | Sodium [4-[[[6-[[4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-1-hydroxy-3-sulpho-2-naphthyl]azo]- |
| 1002-53-5 | | Dibutyl tin |
| 10025-68-0 | 233-037-8 | Diselenium dichloride |
| 100258-44-4 | 309-388-9 | Strychnidin-10-one, arsenite (1:1) |
| 10026-03-6 | 233-053-5 | Selenium tetrachloride |
| 10026-17-2 | 233-061-9 | Cobalt(II) fluoride |
| 10026-18-3 | 233-062-4 | Cobalt fluoride (CoF ₃) |
| 10026-22-9 | 600-049-3 | Cobalt nitrate |
| 10026-23-0 | 233-064-5 | Cobalt(2+) selenite |
| 10026-24-1 | 600-050-9 | Cobalt sulfate heptahydrate |
| 10028-18-9 | 233-071-3 | Nickel fluoride (NiF ₂) |
| 1002-88-6 | 213-694-7 | Cobalt distearate |

CAS: 10022-31-8 EC No.: 233-020-5

Name: Barium-nitrate

Group Name: Barium compounds (organic or water soluble), selected

☐ EU01[2011/65/EU RoHS] ☐ EU04[REACH Annex XVII Except EU03] ☐ OT01[ESIS PBT Fulfilled]
☐ EU02[2011/37/EU ELV] ☐ EU05[REACH SVHC in Candidate List] ☒ IA01[GADSL]
☐ EU03[CLP Annex VI CMR 1,2] ☐ EU06[POPs] ☐ IA02[EC62474/JIG]

Figure 3-26 Select Substance Screen



The Select Substance screen has various means of searching substances. This section only describes the procedures of inputting information. For detailed functions of the substance search, refer to "3.6.1 Select Substance Screen (Detailed Description) (Page 289)."

Entering Substance Use/Exempted Application Code

The following selection screen may appear, depending on the selected substance.

Select one of the following substance use and exempted application codes. For detailed function of the screen, refer to the following.

- REACH Annex XVII Substance Use: Refer to "3.6.2 REACH Annex XVII/POPs Annex I Select Substance Use Screen (Page 30)."
- POPs Annex I Substance Use: Refer to "3.6.2 REACH Annex XVII/POPs Annex I Select Substance Use Screen (Page 30)."
- ELV Exempted Application, refer to "3.6.3 Select ELV E (Page 30)."
- RoHS Exempted Application, refer to "3.6.4 Select RoHS Exemption (Page 32)."

Entering Substance Concentration

After selecting the substance, enter the concentration in the material.

If the material mass has been entered, the substance mass is also calculated.

| Substance | | | | | | | | | |
|------------|--------|----------------------------------|---------|------------|--|---------------|------|------|---------|
| Select Add | | | | | | | | | |
| Mass * | Unit * | Material Code of Public Standard | Remarks | CAS Number | Substance Name | Concentration | Mass | Unit | Remarks |
| 2.0 | g | | | | | | | | |
| 0.8 | g | | | 117-81-7 | Bis(2-ethylhexyl) phthalate; Di(2-ethylhexyl)phthalate; DEHP | 15.0% | 0.12 | g | |
| | | | | 679-86-7 | 1,1,1,2,2,3-Pentafluoropropane; HFC-245ca | 85.0% | 0.68 | g | |

Figure 3-27 Entering Substance Concentration -> Automatic Calculation of Mass

3.4.5. Concerned Regulation or Other Documents Indicated by JAMP

When you select a substance, the applicable flag is automatically entered, based on the substance information held in the external list.

Usually you do not have to manually enter the applicable flag. However, you are allowed to manually enter the applicable flag based on the knowledge of the issuing company in case of mistakes in the data in the external list.

| Concerned Regulation or Other Documents Indicated by JAMP | | | | | | | | | |
|---|---------|----------------------|---------|------------|---------|------------------|---------------|--------------|---------------|
| SVHC | | CLP Annex VI CMR 1,2 | | ESIS PBT | | REACH Annex XVII | | POPs Annex I | |
| Applicable | Remarks | Applicable | Remarks | Applicable | Remarks | Applicable | Substance Use | Applicable | Substance Use |
| | | | | | | | | | |
| | | | | | | 1 | | | |

| ELV | | RoHS | | GADSL | | IEC62474/JIG | | Voluntary Declarable Substances | |
|------------|----------------------|------------|----------------------|------------|---------|--------------|---------|---------------------------------|---------|
| Applicable | Exempted Application | Applicable | Exempted Application | Applicable | Remarks | Applicable | Remarks | Applicable | Remarks |
| 1 | 1 | 1 | 1(a) | D/P | | R | | | |
| 1 | 2(a) | 1 | 1(b) | D/P | | R | | | |

Figure 3-28 Applicable Field (Shown in one horizontal row in fact)



Since the rule for entering options for the applicable flag has changed in Ver. 4.0, importing an earlier version of AIS may cause an input error in the error check. In this case, if you update the substance information, the options are also updated to those compliant with Ver. 4.1.

SVHC

In earlier versions, "1" was entered if it is applicable. The input options have been changed to "C" and "A"

- C: Candidate List
- A: Authorization

CLP Annex VI CMR 1.2

Enter "1" is entered as for earlier versions, if it is applicable.

ESIS PBT

Enter "1" is entered as for earlier versions, if it is applicable.

REACH Annex XVII

If applicable, enter "1". The "Remarks" fields have been abolished, and it is required to enter the substance use code, depending on the substance (whether or not to enter the code is automatically determined by the Input Support Tool). Some of the declarable substances are transferred separately into POPs Annex I.

POPs Annex I

If applicable, enter "1". It was divided from REACH Annex XVII and newly added. Similarly, it is required to enter the substance use code, depending on the substance.

ELV

"1" is entered as for earlier versions, if it is applicable. In this case, it is required to enter information in the "Exempted Application" field. There is no change from earlier versions.

(If you select the "Exempted Application" field with "1" entered, the screen appears for entering the ELV Exempted Application).

RoHS

"1" is entered as for earlier versions, if it is applicable. In this case, it is required to enter information in the "Exempted Application" field. There is no change from earlier versions.

(If you select the "Exempted Application" field with "1" entered, the screen appears for entering the RoHS Exempted Application).

GADSL

In earlier versions, "P" "D" or "P/D" was entered as necessary. The input options have been changed to "P" "D" and "D/P"

- P: Prohibited, corresponding to "Criteria 1" under IEC62474
- D: Declarable, corresponding to "Criteria 2" under IEC62474
- D/P: Applicable to both P and D, corresponding to "Criteria 3" under IEC62474

IEC62474/JIG

In earlier versions, "A" or "B" was entered as necessary. The input options have been changed to "R" "A" and "I"

- R: Regulated (Corresponding to the Criteria 1 for IEC62474)
- A: For Assessment Only (Corresponding to the Criteria 1 for IEC62474)
- I: For Information Only (Corresponding to the Criteria 1 for IEC62474)

Voluntary Declarable Substances

If all the "Applicable" fields above are blank, enter "1" in the "Applicable" field for the "Voluntary Declarable Substances". This may be the following cases.

- A substance that was not contained in the substance list, but judged as required to be reported for business operation and manually entered
- A substance that was entered as having an applicable flag in earlier versions of substance list, but is not applicable to any regulation because of the changes in the content of the applicable flag with updating

3.5. Operating Composition List Sheet

This section describes the operation of the buttons displayed at the top of the composition list sheet.

4. Composition Information

| | | | | | | | | | |
|---------------------|--|-----------------------|--|-------------|--|------------------|--|------------|--|
| All Clear | | Calculation | | | | | | | |
| Delete selected row | | Update Substance Info | | Error Check | | Temporarily SAVE | | Export XML | |

| Level | | Component | | Material | | | | | |
|-------|----------|-----------|------------|----------|-------------------------|------|--------|--------|----------------------------------|
| Add | | Add | | Select | Add | | | | |
| Name | Quantity | Name * | Quantity * | Use * | Classification Number * | Name | Mass * | Unit * | Material Code of Public Standard |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Figure 3-29 Operating Buttons in the Composition List

3.5.1. All Clear Button

Click the "All Clear" button to initialize (clear all the inputs in) the composition list.

Note that if you use this button is clicked in the middle of an input process, all the content is erased and returned.



In an earlier version of AIS, if you submit a blank composition list, it may be treated as a report of no containing. This is not essentially the operation assumed by AIS. In AIS 4.0 or later, a composition list without any row causes an export error.

3.5.2. Selected Row Delete Button

The selected row is deleted by clicking this button.

Note that the deleted rows cannot be returned.

3.5.3. Calculation Button

After entering the Article Mass and the composition list, perform a calculation process with the "Calculation" button in the general information sheet or the composition list sheet to extract the summary from the data and indicate the totaling result. Before performing a calculation process, confirm that the Mass and Unit of Mass of the article and the Substance Concentration in the composition list are correctly entered.

4. Composition Information

| | | |
|--|----------------|--|
| Article | Unit type * | piece |
| | Mass * | 2.3 |
| | Unit of Mass * | kg |
| Declaration Concerning Composition Information * | | 1.This article is confirmed to contain declarable substances within the scope of Concerned Regulation or Other Documents Indicated by JAMP |
| Total Amounts of Material | | <div>Calculation</div> <div>12.0g (0.521739%)</div> |
| GADSL | | 1.covers GADSL scope |
| JIG | | 1.covers JIG scope |

4. Composition Information

| | | | | | | | | | | | | | |
|-----------|----------|-------------|------------|-------------------------|------|-----------------------|--------|----------|--|------------------|--|------------|--|
| All Clear | | Calculation | | Delete selected row | | Update Substance Info | | Error Ch | | Temporarily SAVE | | Export XML | |
| Level | | Component | | Material | | | | | | | | | |
| Add | | Add | | Select | | Add | | | | | | | |
| Name | Quantity | Name * | Quantity * | Classification Number * | Name | Mass * | Unit * | | | | | | |
| Unit A12 | 1.0 | Parts 6 | 2.0 | 3.attact | P513 | PS (Polystyrene) | 4.0 g | | | | | | |
| | | | | 9.PVD(Vapor Depo | S301 | CrN Coatings | 1.0 g | | | | | | |

Total Amounts of Material

| Classification Number | Material Name | Mass(g) |
|-----------------------|---|---------|
| P513 | PS (Polystyrene) | 8.0 |
| S301 | CrN Coatings | 2.0 |
| S305 | Vapor deposition film(Icd.Sputtering) of other noble or rare metals | 2.0 |

Total Amounts of Substance

| CAS Number | Substance Name | Mass(g) | SVHC | | REACH Annex XVII | RoHS | |
|------------|--|---------|------------|--|------------------|------------|---------------------------------------|
| | | | Applicable | Substance Concentration within Article | Applicable | Applicable | Maximum Concentration within Material |
| 10022-48-7 | Chromic acid (H ₂ Cr ₂ O ₇), dilithium salt, dihydrate | 0.2 | - | | 1 | 1 | 2.5% |
| 120-12-7 | Anthracene | 0.022 | C | | - | - | 1.1% |

Figure 3-30 Calculation Button (General Information Sheet/Composition List Sheet)



Although there are two Calculation buttons to make the operation more convenient, they perform the same calculation. The calculation is also automatically performed during XML export.

The calculation sheet has the following items:

Total Amounts of Material

The total amount of each of all the materials entered for the Composition Information is displayed. A calculation is performed according to the content of the Classification Number (not performed if a classification number is not entered).

In these calculations, the total is given after performing multiplication of that Quantity of Level/ Component and Material Mass.

Total Amounts of Substance

It is calculated in the following methods for the substance that is applicable to any of SVHC, REACH Annex XVII, and RoHS. "-" is displayed for a regulation that is not applicable.

- SVHC: Shows the content of the applicable flag and the substance concentration in the article mass (%).
- REACH Annex XVII: Shows only the content of the applicable flag.
- RoHS: Shows the content of the applicable flag and the maximum concentration in the homogeneous material (%).

3.5.4. Update Substance Info Button

By clicking the "Update Substance Info" button in the Composition List Sheet of the substance information in the Composition List to the content of the external list may be made.

4. Composition Information

The screenshot shows the 'Composition Information' sheet with several buttons at the top: 'All Clear', 'Delete selected row', 'Update Substance Info' (highlighted), 'Error Check', 'Temporarily SAVE', and 'Export XML'. Below these are three tabs: 'Level', 'Component', and 'Material'. The 'Material' tab is active, showing a table with columns: Name, Quantity, Use, Classification Number, Name, Mass, and Unit. A row of data is visible: '3.attached agent', 'P513', 'PS (Polystyrene)', and '4.0 g'.

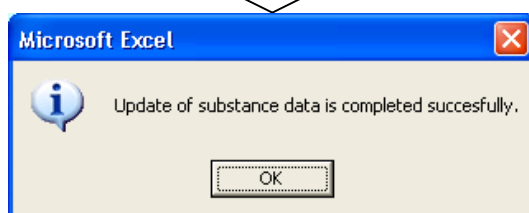
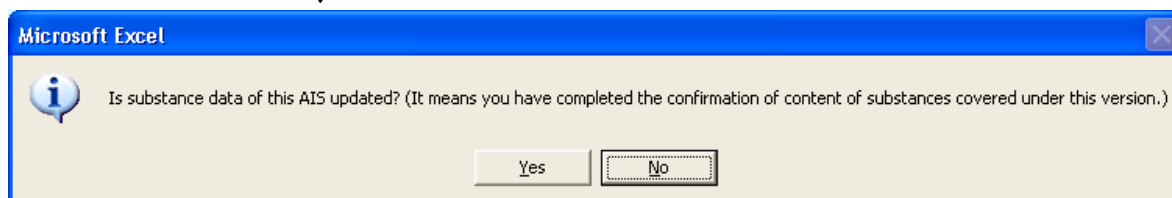


Figure 3-31 Update Substance Info Update

When you updating the substance information, a confirmation dialog is displayed. If "Yes" is selected, the following information is updated.

- The general information sheet "Format to be used" is updated to Ver. 4.1.
 - ✧ In case of the AIS of the previous version, the substance information is updated while the format is converted simultaneously. This is because it is prohibited to include information in Ver. 4.0 based on the substance list of the previous version.
- The version numbers of the "Material list" and "Substance list" shown in the general information sheet are updated to the version number of the latest external list.

- ✧ The version number indicated in the AIS refers to the list based on which the data are shown. As the relevant flag is updated according to the update of substance information, the data are to be shown based on the external list available at the specific time.
- ✧ In Version 4.1, it is required to also report GADSL and IEC62474/JIG without fail. The AIS, which was designated to be “Irrelevant” in the previous version, is to be reported as the substance information is updated in Version 4.1. Consequently, information must be distributed by checking the relevancy of GADSL and IEC62474/JIG.
- All the relevant flags contained in the table of ingredients are overwritten based on the data contained in the external list which are available currently.
- ✧ If substance information is updated, the relevant flags contained in the table of ingredients are overwritten based on the data contained in the external list. In this case, the relevant flags which were entered manually are replaced with the data contained in the external list. If the substance list is updated by adding SVHC, etc., the version may be updated by changing the substance information contained in the existing AIS. However, if the list is non-exhaustive, the information on substances which have been irrelevant may remain missing. Therefore, note this matter when updating the substance information shown in the AIS received from the supplier.



The substance information in the composition list is updated by the content of the external list that's currently used. If an old version of the external list is used, the substance information will not reflect the latest information. Please check whether the external list is the latest and then perform the updating process.

3.5.5. Error Check Button

You can use the "Error Check" button to check whether the entered information is not out of the export rule of the AIS.

After entering information, click the "Error Check" button in the composition list sheet. Then the tool checks whether incorrect information is entered in the General Information sheet, Composition List sheet, and Requester Information sheet, and shows the result.

4. Composition Information

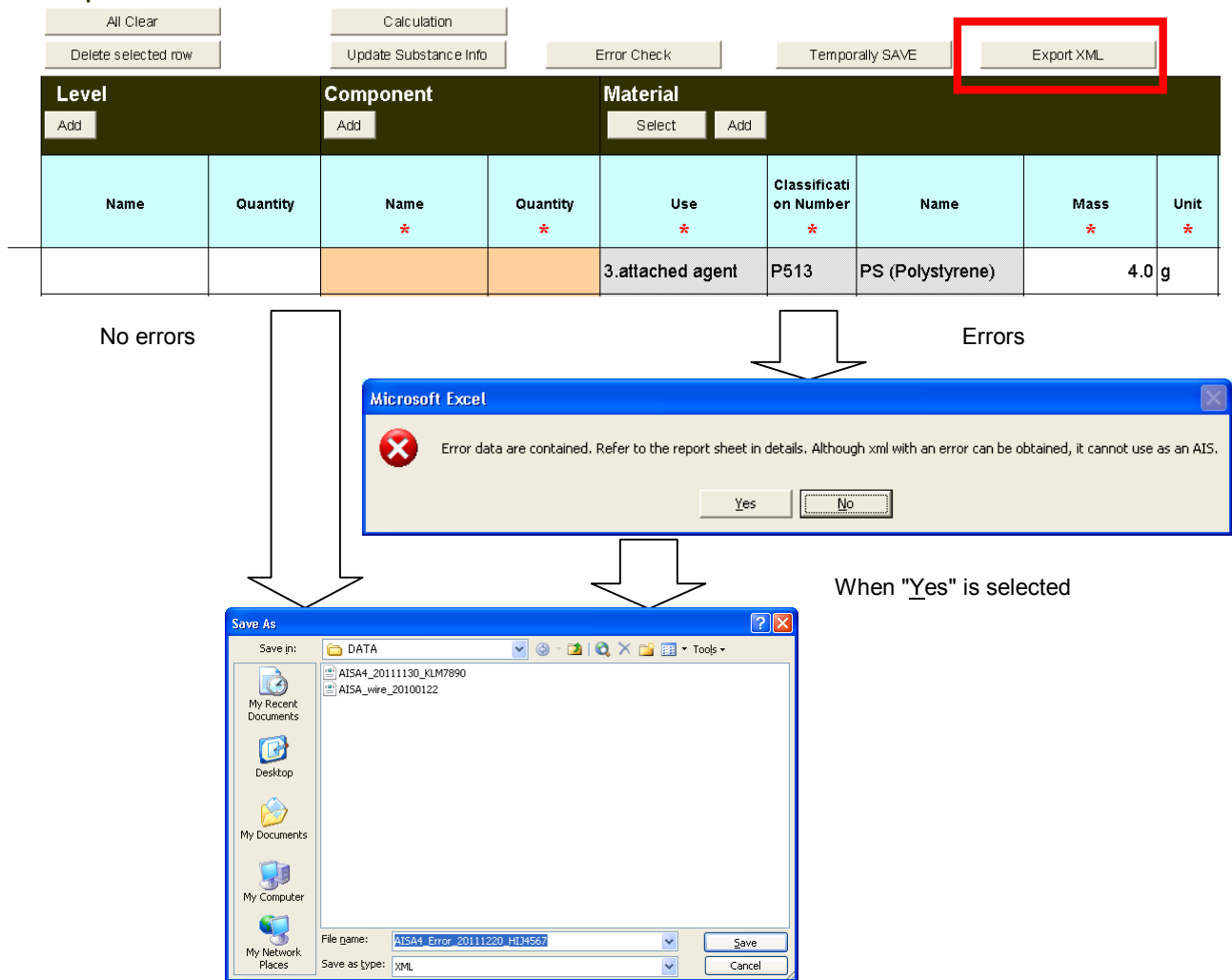


Figure 3-33 Procedure of Exporting XML

The file name is as follows:

- Formal version of original part AIS: "AISA4_yyyymmdd_xxxx.xml" herein yyyymmdd represents date of issuing and xxxx represents issuing company item number
- Formal version of integrated AIS: "AISB4_yyyymmdd_xxxx.xml" herein yyyymmdd represents date of issuing and xxxx represents issuing company item number
- Original part AIS containing errors: "AISA4_Error_yyyymmdd_xxxx.xml" herein yyyymmdd represents date of issuing and xxxx represents issuing company item number
- Integrated AIS containing errors: "AISB4_Error_yyyymmdd_xxxx.xml" herein yyyymmdd represents date of issuing and xxxx represents issuing company item number

If the number of rows entered in the composition list is large, it may take a lot of time to export XML.

During the export process, the bottom left status bar shows "Exporting xml..."



Figure 3-34 Status Bar Showing "Exporting xml..."

After exporting is completed, the completion message is displayed.



Figure 3-35 XML Exporting Completion Message

Temporarily SAVE

You can use the "Temporarily SAVE" button in the Composition List sheet to temporarily save the entered information as an XML file.

In this case, an error check is not performed, unlike the case of XML export.

The file name is as follows:

- Temporarily saved original part AIS: "AISA4_Temp_yyyymmdd_xxxx.xml" herein yyyymmdd represents date of issuing and xxxx represents issuing company item number
- Temporarily saved integrated AIS: "AISB4_Temp_yyyymmdd_xxxx.xml" herein yyyymmdd represents date of issuing and xxxx represents issuing company item number



The information of temporarily saving and containing errors is recorded not only in the file name but also in the content. Since the purpose of these files is to save the data in the middle of work, it is not permitted to distribute the information in this form to the public.

3.6. Selection Screen of Composition List Sheet

3.6.1. Select Substance Screen (Detailed Description)

This section describes the detailed functions of the Select Substance screen displayed by using the substance "SELECT" button.

Select Substance

Filter Substance list

☐ EU01 ☐ EU04 ☐ OT01
☐ EU02 ☐ EU05 ☐ IA01
☐ EU03 ☐ EU06 ☐ IA02

Search by

☐ Match Partial
☐ Match Whole

Sort by

Ver. 4.000

| CAS | EC No | NAME |
|-------------|-----------|---|
| 10022-31-8 | 233-020-5 | Barium-nitrate |
| 10022-48-7 | 600-038-3 | Chromic acid (H ₂ Cr ₂ O ₇), dilithium salt, dihydrate |
| 10022-68-1 | | Cadmium nitrate tetrahydrate; Cadmium nitrate |
| 100231-59-2 | 309-359-0 | Sodium [4-[[[6-[[4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-1-hydroxy-3-sulpho-2-naphthyl]azo]- |
| 1002-53-5 | | Dibutyl tin |
| 10025-68-0 | 233-037-8 | Diselenium dichloride |
| 100258-44-4 | 309-388-9 | Strychnidin-10-one, arsenite (1:1) |
| 10026-03-6 | 233-053-5 | Selenium tetrachloride |
| 10026-17-2 | 233-061-9 | Cobalt(II) fluoride |
| 10026-18-3 | 233-062-4 | Cobalt fluoride (CoF ₃) |
| 10026-22-9 | 600-049-3 | Cobalt nitrate |
| 10026-23-0 | 233-064-5 | Cobalt(2+) selenite |
| 10026-24-1 | 600-050-9 | Cobalt sulfate heptahydrate |
| 10028-18-9 | 233-071-3 | Nickel fluoride (NiF ₂) |
| 1002-88-6 | 213-694-7 | Cobalt distearate |

CAS: 10022-31-8 EC No.: 233-020-5

Name: Barium-nitrate

Group Name: Barium compounds (organic or water soluble), selected

☐ EU01[2011/65/EU RoHS] ☐ EU04[REACH Annex XVII Except EU03] ☐ OT01[ESIS PBT Fulfilled]
☐ EU02[2011/37/EU ELV] ☐ EU05[REACH SVHC in Candidate List] ☒ IA01[GADSL]
☐ EU03[CLP Annex VI CMR 1.2] ☐ EU06[POPs] ☐ IA02[IEC62474/JIG]

Figure 3-36 Description of Each Function of Select Substance Screen

Filter Substance list

Filters substances to display in the list by applicable regulation conditions (multiple conditions can be specified). For the correspondences between applicable regulation codes and regulation names, refer to the bottom of the screen.

Search by

Searches substances applicable to the specified string from among those currently displayed in the list in the screen.

You can perform a Match Partial/Match Whole Search by the English Name, CAS No., or EC No. (If you click the "Search by" button in a row, the focus moves to the next substance matching the condition.)

Sort by

Sorts the data displayed in the list in the order of the English Name or CAS No. of a substance. (Usually searched in the order of the CAS No.)

SELECT

Select a substance from the list in the center of the screen, and detailed information is displayed at the bottom of the screen. Check the content and click the "SELECT" button to enter the data into the composition list.

3.6.2. REACH Annex XVII/POPs Annex I Select Substance Use Screen

This section describes the REACH Annex XVII and POPs Annex I Select Substance Use screens. (REACH Annex XVII and POPs Annex I have different options, but the same screen is displayed.)

Select Substance Use

EU04:REACH Annex XVII
1:DBT

If the application is unknown or undecided, choose XX-0.
If the application is found in the list, choose its number, Otherwise, choose XX-99.

| | |
|--------|---|
| DBT-0 | No information to specify the intended use |
| DBT-1 | Any one-component and two-component room temperature vulcanization sealants (RTV-1 and RTV-2 sealant) and adhesives which apply to the general public |
| DBT-2 | Any paints and coating containing DBT compounds as catalysts when applied on articles wh |
| DBT-3 | Any soft polyvinyl chloride (PVC) profiles whether by themselves or co extruded with hard PV |
| DBT-4 | Any fabrics coated with PVC containing DBT compounds as stabilizers when intended for ou |
| DBT-5 | Any outdoor rainwater pipes, gutters and fittings, as well as covering materials for roofing and |
| DBT-98 | Any use which the content is not greater than the threshold, the equivalent of 0.1% by weight |
| DBT-99 | Not applicable |
| DOT-0 | No information to specify the intended use |
| DOT-1 | Any articles other than the following articles- textile articles intended to come into contact wi |
| DOT-98 | Any use which the content is not greater than the threshold, the equivalent of 0.1% by weight |

Code: DBT-1 Valid From: 6/1/2009 Valid To:

Original

Any one-component and two-component room temperature vulcanization sealants (RTV-1 and RTV-2 sealant) and adhesives which apply to the general public

SELECT **Clear**

Figure 3-37 REACH Annex XVII/POPs Annex I Select Substance Use Screen

Display Conditions

The Select Substance Use screen is displayed only for particular CAS numbers.

- "1" is entered in the applicable column.
- The substance is defined in the external list as requiring the input of the Substance Use.

When you select the substance from the list, the original of the Substance Use are displayed. Check the content and press "SELECT" to enter the data.

Click "Clear" to delete the data.

3.6.3. Select ELV Exemption

If you select a substance with the ELV applicable flag "1," the SELECT ELV EXEMPTION screen is displayed.

(It is also displayed if you select the "Exempted Application" field with the ELV applicable flag "1" in the composition list.)

Figure 3-38 SELECT ELV EXEMPTION Screen

Selection Condition

You have to select the exempted application code from "No Exemption", "Below threshold", or the list.

- If you select "Select from the List", specify the exempted application code from the list and press "SELECT".
- If you select "No Exemption" and press "SELECT", "No exemption" is entered.
- If you select "Below threshold" and press "SELECT", "Below threshold" is entered.

Search

Enter a string for the search condition and press the "Search Text" button, and rows containing the entered string are selected in the list.

Filter Exemptions

You can filter the list display by a substance group. Press "RESET" to reset the filtering.



In an earlier version of AIS, you can directly enter an exempted application code in the ELV Remarks field. In Ver. 4.0 or later, select the code. The exempted applications entered in an earlier version of AIS are inherited by generating an inverted index of exactly matching codes in the external list, if any.

3.6.4. Select RoHS Exemption

If you select a substance with the RoHS applicable flag "1," the Select RoHS Exemption screen is displayed.

(It is also displayed if you select the "Exempted Application" field with the RoHS applicable flag "1" in the composition list.)

Figure 3-39 Select RoHS Exemption Screen

Selection Condition

You have to select the exempted application code from "No Exemption", "Below threshold", or the list.

- If you select "Select from the List", specify the exempted application code from the list and press "SELECT".
- If you select "No Exemption" and press "SELECT", "No exemption" is entered.
- If you select "Below threshold" and press "SELECT", "Below threshold" is entered.

Filter Exemptions

Select the filtering conditions or enter a string and then press the "Filtering" button. Then only the exemptions matching the conditions are displayed in the list.

- Of all the categories, you can filter the exemptions only to Category 8, 9 (medical devices and monitoring and control instruments).
- You can filter the list display by a substance group.
- You can specify either "Valid" or "Invalid" for filtering. If the time limit of the exempted application code is not set, it is treated as Valid.
- If you enter a string in "Search Text", the exemptions are filtered by the string contained in the reference translation of them.

Clear Button

Press the "Clear" button to delete the applicable flags and exemptions in the composition list.



In an earlier version of AIS, you can directly enter an exempted application code in the RoHS Remarks field. In Ver. 4.0 or later, select the code. The exempted applications entered in an earlier version of AIS are inherited by generating an inverted index of exactly matching codes in the external list, if any.

3.7. Requester Information Sheet

This is not the information of the article itself but the input sheet for information of the company that requested the submission of AIS.

Requester Information

| | | Import Template |
|--|------------------|-----------------|
| Company Name | | |
| Company ID | ID Organizer | |
| | Entity ID | |
| Requester Department | Department Name | |
| | Address | |
| Contact Person at Requester Department | Name | |
| | Telephone Number | |
| | FAX Number | |
| | Email Address | |
| Submission Date | | |
| Requester Item Number 1 | | |
| Issuing Company Item Number 1 | | |
| Requester Item Number 2 | | |
| Issuing Company Item Number 2 | | |
| Requester Item Number 3 | | |
| Issuing Company Item Number 3 | | |
| Requester Item Number 5 | | |
| Issuing Company Item Number 5 | | |
| Requester Item Number 6 | | |
| Issuing Company Item Number 6 | | |
| Requester Remarks 1 | | |
| Requester Remarks 2 | | |
| Requester Remarks 3 | | |

Figure 3-40 Requester Information Sheet

By clicking "Import Template", you can copy the information entered in the "Requester Template" field in the "Setting" sheet, for the items from "Company Name" to "Email Address".

Inputting the Requester Information is optional itself. However, if you enter information, the Company Name is required.

3.8. Setting Sheet

Some of the items can be set from the "Setting" sheet to operate more conveniently in your environment.

3.8.1. Initial setting

Setting

Initial setting

| Initial setting | | Save Settings |
|-----------------------------|-----------|---------------|
| Select Language | 2:English | |
| Check External List Version | 1:Check | |
| Maximum Error Check * | 100 | |

Figure 3-41 Setting Sheet Initial setting

Select Language

Select a language to use from Japanese, English, and Chinese.

Check External List Version

You can set whether or not to connect to the JAMP web site to see whether the external list being read is the latest version at the start of the tool. The default is "1:Check." However, when you use the tool in an environment where you cannot connect to the Internet, it may be more convenient to set to "2:No Check."

Maximum Error Check

You can set the number of errors that are detected before the operation is stopped during an error check (including XML export).

The default is 100 because it takes a lot of time if you import in large-sized AIS.

3.8.2. Publisher Template

Enter the publisher information. The information entered here is copied into the "General Information Sheet" when you click the "Import Template" button in the "General Information Sheet."

Publisher Template

| | | |
|---------------------------------------|--------------------|--|
| Company Name | Alphanumeric * | |
| | Mother Language | |
| Company ID | ID Organizer | |
| | Entity ID | |
| Issuing Department | Department Name * | |
| | Address * | |
| | Telephone Number * | |
| | FAX Number | |
| | Email Address | |
| Department in Charge of Preparing AIS | Department Name | |
| | Telephone Number | |
| Remarks | | |

Figure 3-42 Setting Sheet Publisher Template

3.8.3. Requester Template

Enter the requester information. The information entered here is copied into the "Requester Information Sheet" when you click the "Import Template" button in the "Requester Information Sheet."

Requester Template

| | | |
|--|------------------|--|
| Company Name | | |
| Company ID | ID Organizer | |
| | Entity ID | |
| Requester Department | Department Name | |
| | Address | |
| Contact Person at Requester Department | Name | |
| | Telephone Number | |
| | FAX Number | |
| | Email Address | |

Figure 3-43 Setting Sheet Requester Template

3.8.4. Save Settings

If you want to save the current settings of the tool, click the "Save Settings" button to save the entered content and settings (the procedure is the same as saving Excel books).

3.9. Integration Sheet

If you select "Integrate AIS" in the description sheet, the tool operates in the Integrate mode.

This section describes a method of integrating AIS.



In JAMP AIS Ver.3.1 or earlier, an integration process was called "aggregating," and had "integration" and "simplification" as its types. In Ver. 4.0, "simplification" has been abolished. "Collectivizing" and "integration" have virtually the same meaning, and the name "collectivizing" has changed into "integration."

3.9.1. Adding Files

Click the "Add" button with a cell in the "File Name" column selected, and a dialog for selecting an AIS file to integrate starts up.

AIS Integration

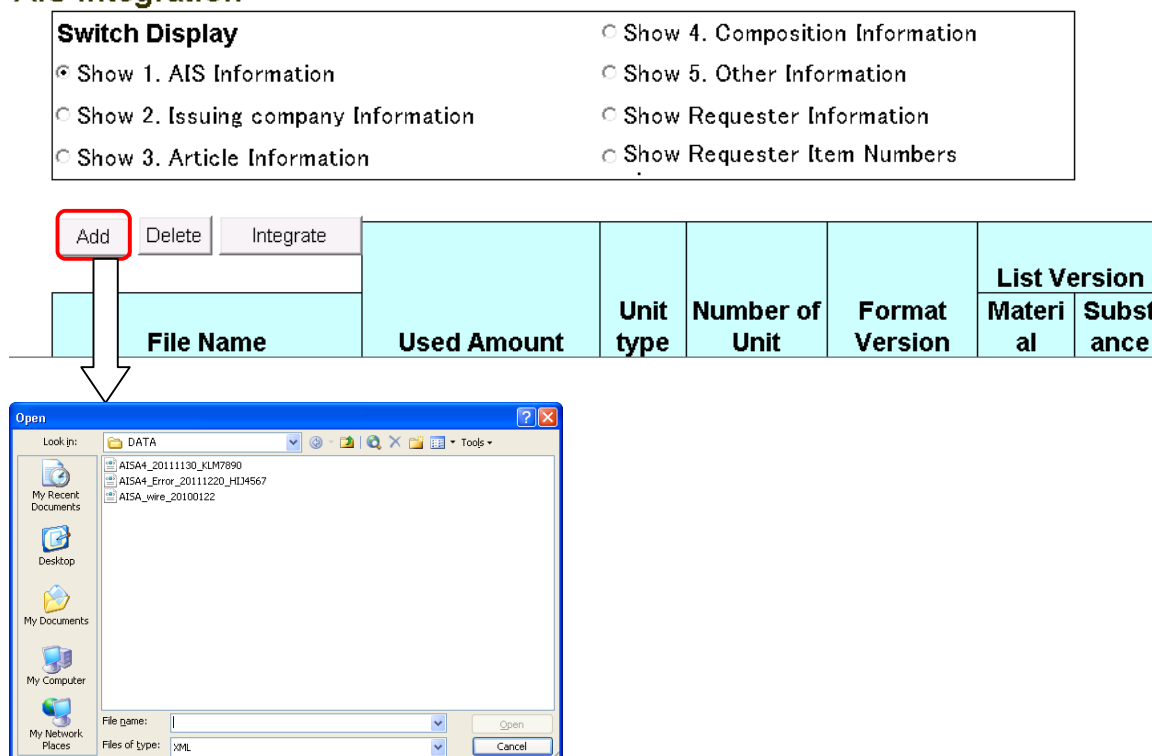


Figure 3-44 Adding Files to Integrate

Select an AIS file to integrate and click the "Open" button, then the tool import in the content of the AIS and shows it in the sheet.

You can specify multiple files at the same time.

3.9.2. Files that can not be used for Integration

You cannot use the following files as the original file for integration. If you specify them, an error report is shown.

(If you add multiple files at a time, the addition is stopped when a file that cannot be used is detected.)

Files in Simplification Format in AIS Ver. 3.1 or Earlier

Files in the simplification format cannot be used as the original file for integration because the composition information may be missing.

Files with No GADSL or JIG as Target in AIS Ver. 3.1 or Earlier

Since it is required to make GADSL and IEC62474/JIG the reporting targets in AIS Ver. 4.1, you cannot use an earlier version of files, which do not treat them as the reporting targets, as the original file for integration. You can use these files as the original files for integration by reopening them in the Edit mode and updating the substance information to update the target coverage of GADSL, and IEC62474/JIG.

AIS Files in Temporarily SAVE Format in AIS Ver. 4.0 or Later

You cannot use AIS files export in a temporarily saved condition or with errors as the original files for integration.

Other Files

You cannot use files in a non-AIS format, such as MSDSplus, as the original files for integration.

3.9.3. Deleting Files

If you want to exclude the AIS files selected by using the "Add" button from the integration targets, select a row to delete and press the "Delete" button, and the selected row is deleted and excluded from the integration targets.

AIS Integration

| | | | |
|---|--|---|--|
| Switch Display | | <input type="radio"/> Show 4. Composition Information | |
| <input checked="" type="radio"/> Show 1. AIS Information | | <input type="radio"/> Show 5. Other Information | |
| <input type="radio"/> Show 2. Issuing company Information | | <input type="radio"/> Show Requester Information | |
| <input type="radio"/> Show 3. Article Information | | <input type="radio"/> Show Requester Item Numbers | |

| | | |
|-----|--------|-----------|
| Add | Delete | Integrate |
|-----|--------|-----------|

| File Name | Used Amount | Unit type | Number of Unit | Format Version | List Version | |
|-----------|-------------|-----------|----------------|----------------|--------------|-----------|
| | | | | | Material | Substance |
| | | | | | | |

Figure 3-45 Delete Button (Integration Sheet)

3.9.4. Checking Content of Added AIS

If you add a file, the general information of the file is displayed on the right side of the sheet. It can be switched to another information by selecting the "Switch Display" radio button at the top of the screen.

AIS Integration

| | | | |
|---|--|---|--|
| Switch Display | | <input type="radio"/> Show 4. Composition Information | |
| <input checked="" type="radio"/> Show 1. AIS Information | | <input type="radio"/> Show 5. Other Information | |
| <input type="radio"/> Show 2. Issuing company Information | | <input type="radio"/> Show Requester Information | |
| <input type="radio"/> Show 3. Article Information | | <input type="radio"/> Show Requester Item Numbers | |

| | | |
|-----|--------|-----------|
| Add | Delete | Integrate |
|-----|--------|-----------|

| File Name | Used Amount | Unit type | Number of Unit | Format Version | List Version | |
|-----------|-------------|-----------|----------------|----------------|--------------|-----------|
| | | | | | Material | Substance |
| | | | | | | |

| 1. AIS Information | | |
|------------------------|-------------|--------|
| Sheet Reference Number | Original | Latest |
| | Issued Date | |
| | | |

Figure 3-46 Switch Display Radio Button (Integration Sheet)

3.9.5. Integration

If you click the "Integrate" button with one or more files added, integration is executed.

For integration, it is required to enter the Used Amount (if the unit type is other than "pieces") and Number of Unit.

AIS Integration

Switch Display
☒ Show 1. AIS Information
☐ Show 2. Issuing company Information
☐ Show 3. Article Information

☐ Show 4. Composition Information
☐ Show 5. Other Information
☐ Show Requester Information
☐ Show Requester Item Numbers

Add Delete Integrate

| File Name | Used Amount | Unit type | Number of Unit | Format Version | List Version | |
|--------------------------|-------------|-----------|----------------|----------------|--------------|-----------|
| | | | | | Material | Substance |
| AISA_wire_20100122.xml | | piece | 3.0 | Ver.4.0 | 1.01 | 2.01 |
| AISA_switch_20100122.xml | | piece | 1.0 | Ver.4.0 | 1.01 | 2.01 |

| 1. AIS Information | | |
|------------------------|-------------|------|
| Sheet Reference Number | Original | Late |
| | Issued Date | |
| | 7/1/2009 | |
| | 7/1/2009 | |

Figure 3-47 Used Amount and Number of Unit Input Screen (Integration Sheet)

After integration, the tool moves to the Edit AIS mode and shows the sheet for editing. Perform the operations that follow in the same way as when you create AIS.

4. Troubleshooting

4.1. If Error Occurs and You Cannot Proceed to Next Step

A warning message appears to indicate noncompliance with the environment during startup.

Check whether your PC environment is compliant with "エラー! 参照元が見つかりません。 System Requirement (Page エラー! ブックマークが定義されていません。)".

A run-time error occurs during operation.

When you use the Input Support Tool, the sheet format may be distorted by operations such as copying and pasting cells. If you cannot return it to the original condition, download the Input Support Tool again from the JAMP web site.

If a run-time error continues by the same operation, contact JAMP, because it may be caused by a malfunction in the tool. We will make use of it for improving the quality of the tool.

During startup, a message "This tool does not support your environment. Start it again with MSXML6.0 sp2 installed." appears.

Install MSXML6.0 sp2 (msxml6-KB973686-enu-x86.exe) from the following web site:

<http://www.microsoft.com/download/en/details.aspx?id=9774>

4.2. Malfunction Due to Bugs in Microsoft Excel

Each time you press a button, the button or character changes the size or moves.

This phenomenon occurs in rare cases due to a malfunction in Microsoft Excel. Restart the tool without saving it. If you saved it with the layout distorted and cannot return it to the original condition, download the tool again.

4.3. Malfunction Due to Settings in Microsoft Excel

If you enter a number larger than "1" in the % input field, a message "The entered value is not correct." appears.

It occurs due to settings in Microsoft Excel. For Windows XP, select "Option" from the menu bar's "Tool" and put a check mark in "Automatically Enter Percentage" in the "Edit" tab.

Macros do not work.

Check whether either of the following is applicable:

- If the tool is directly opened from a compressed folder, for example, in the ZIP format, macros may not work normally. Extract it as a normal file and then execute the file.
- Although you can save files with the extension ".xlsx" in Microsoft Excel 2007 or later, files saved in this format do not work normally. Save the file in the ".xls" format and then execute it.

Revision history

| Item | Chapter and Section | Date of revision | Brief summary of revision | Reason for revision |
|------|---------------------|------------------|--|---------------------------------------|
| 1 | General | January 12, 2012 | Compliance with AIS Ver. 4.00 | To issue the initial version |
| 2 | 3.2.4 | March 1, 2012 | (Wrong) The mass and mass unit are entered selectively (Correct) The mass unit is entered selectively | To delete the unnecessary description |
| | 3.4.4 | | (Wrong) nuclear law and regulation (Correct) each law and regulation | To correct the erroneous description |
| 3 | 3.4.4 | June 19, 2012 | Figure 3-26 The RoHS directive official gazette number corrected | To correct the erroneous description |
| | 3.6.1 | | Figure 3-36 The RoHS directive official gazette number corrected | To correct the erroneous description |
| 4 | General | June 25, 2013 | Compliance with AIS Ver. 4.1 | To issue the initial version |