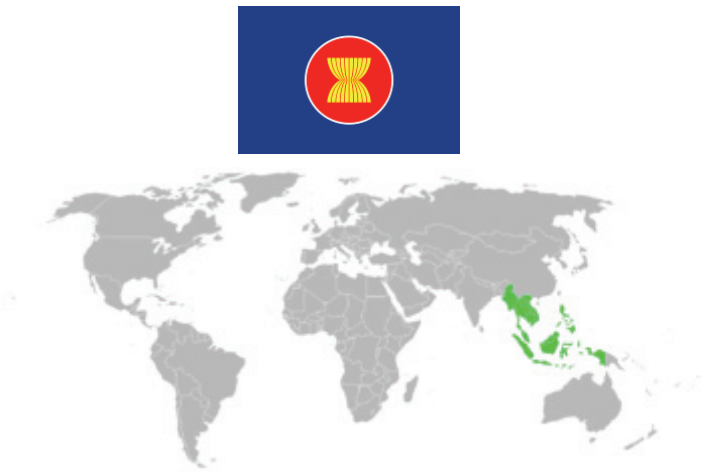
JETRO Pilot Demonstration Project Program to Improve Trade and Investment Environments (FY2008)

2008 JAMP DEMONSTRATION PROGRAM

JAMP SEMINAR
and
TRAINING COURSE ON
JAMP MSDSplus & GUIDELINES



Tuesday, August 19th, 20th, 2008
Hotel Equatorial Kuala Lumpur

Japan Environmental Management Association for Industry (JEMAI)

- Host : Japan Environmental Management Association for Industry (JEMAI)
- Co-Host : Chemical Industries Council of Malaysia (CICM)
- Supported by : Ministry of International Trade and Industry (MITI-Malaysia)
  Joint Article Management Promotion-consortium (JAMP)
- Sponsored by : Japan External Trade Organization (JETRO)

2008 JAMP DEMONSTRATION PROGRAM
JAMP SEMINAR
and
TRAINING COURSE ON JAMP MSDSplus & GUIDELINES

Date of publication: August 12, 2008
Organization responsible for publication: Joint Article Management Promotion-consortium

Contact
Joint Article Management Promotion-consortium (JAMP) jamp@jemai.or.jp

JAPAN ENVIRONMENTAL MANAGEMENT ASSOCIATION FOR INDUSTRY (JEMAI)
2-1, Kajicho 2-chome, Chiyoda-ku, Tokyo, Japan 101-0044
Phone +81-3-5209-7705 Fax +81-3-5209-7717
http://www.jemai.or.jp/english/index.cfm

Contents

1.Programs

2008 JAMP DEMONSTRATION PROGRAM

JAMP SEMINAR

- Date & Time : Tuesday, August 19th, 2008 from 10:00 to 16:00
- Venue : Hotel Equatorial Kuala Lumpur
  Jalan Sultan Ismail, 50250 Kuala Lumpur, Malaysia
  Tel: 603 2161 7777

- Host : Japan Environmental Management Association for Industry (JEMAI)
- Co-Host : Chemical Industries Council of Malaysia (CICM)
- Supported by: Ministry of International Trade and Industry (MITI-Malaysia)
  Joint Article Management Promotion-consortium (JAMP)
- Sponsors : Japan External Trade Organization (JETRO)

PROGRAM

Time	Items
10:00 to10:20	Welcoming Remarks ➢ JEMAI / JAMP ➢ CICM Keynote Address ➢ JETRO Mr. Keiichi Iwase (JETRO Kuala Lumpur)
10:20 to 10:40	JAMP Demonstration Program in Malaysia ➢ JEMAI / JAMP
10:40 to 11:40	Outline of JAMP Activities - Japanese Industry's Approach Toward REACH ➢ Dr. Yoshiaki Ichikawa (Hitachi, Ltd.)
11:40 to12:00	Q&A ➢ Questions and Answers ➢ Questionnaire
12:00 to 13:30	Lunch Break
13:30 to 13:40	Orientation for JAMP Training Course on JAMP Guidelines & JAMP MSDSplus ➢ JEMAI / JAMP
13:40 to 14:40	Orientation for JAMP Training Course on JAMP MSDSplus ➢ Dr. Yoshiaki Ichikawa (Hitachi, Ltd.)
14:40 to 15:00	Coffee Break
15:00 to 15:55	Orientation for JAMP Training Course on JAMP Guidelines ➢ Mr. Takao Sugaya (Mizuho Information & Research Institute, Inc.)
15:55 to 16:00	Closing ➢ CICM

JETRO Pilot Demonstration Project Program to Improve Trade and Investment Environments (FY2008)

2008 JAMP DEMONSTRATION PROGRAM

TRAINING COURSE ON JAMP MSDSplus & GUIDELINES

- Date & Time : Wednesday, August 20th, 2008 from 9:30 to 17:00
- Venue : Hotel Equatorial Kuala Lumpur
  Jalan Sultan Ismail, 50250 Kuala Lumpur, Malaysia
  Tel: 603 2161 7777

- Host : Japan Environmental Management Association for Industry (JEMAI)
- Co-Host : Chemical Industries Council of Malaysia (CICM)
- Supported by: Ministry of International Trade and Industry (MITI-Malaysia)
  Joint Article Management Promotion-consortium (JAMP)
- Sponsors : Japan External Trade Organization (JETRO)

PROGRAM

Time	Items
9:30 to 9:40	Opening ➢ JEMAI / JAMP ➢ CICM
9:40 to 10:40	Guidelines for the Management of Chemical Substances in Products - Part I ➢ Mr. Takao Sugaya (Mizuho Information & Research Institute, Inc.)
10:40 to 11:00	Coffee Break
11:00 to 12:10	Guidelines for the Management of Chemical Substances in Products - Part II ➢ Mr. Takao Sugaya (Mizuho Information & Research Institute, Inc.)
12:10 to 12:30	Q&A on JAMP Guidelines
12:30 to 14:00	Lunch Break
14:00 to 16:00	Guidance on JAMP MSDSplus and exercise with Training kit ➢ Dr. Yoshiaki Ichikawa (Hitachi, Ltd.)
16:00 to 16:20	Coffee Break
16:20 to 16:40	Q&A on JAMP Training Course
16:40 to 16:50	Future Schedule of JAMP Demonstration Program ➢ JEMAI / JAMP
16:50 to 17:00	Closing ➢ JEMAI / JAMP

JETRO Pilot Demonstration Project Program to Improve Trade and Investment Environments (FY2008)

2.JAMP Demonstration Program

Demonstration Program on JAMPMSDSplus and JAMP Guidelines

August 2008 JAMP

Outline of JAMP Activities

While the full-scale operation of REACH approaches with this June, the Japanese industries are voluntarily developing a scheme of JAMP to smoothly and appropriately transfer the information of chemical substances contained in articles in the supply chain. The supply chain of Japanese companies is widely spread in Asia and as a help to push forward the correspondence to REACH as Asia, we would like to introduce the scheme of JAMP which is now developing in Japan.

JAMP (Joint Article Management Promotion-consortium) was established on September 11th, 2006 as an industrial independent group that promotes cross-industrial activities to achieve the following goals:

- To facilitate smooth and appropriate information transfer about chemical substances contained in articles in the supply chain,
- To promote information management on chemical substances to small & medium industries of middle-stream users that manufacture, sell and by the articles, and
- To establish a smooth information transfer framework in the supply chain through user responsibility and self-declaration.

Main activities of JAMP are the following:

- Developing and promoting the “JAMP Guideline for the Information Management of Chemical Substances Contained in the Products”,
- Developing and promoting two types of format sheets for transferring the chemical substances information, JAMP MSDSplus (Material Safety Data Sheet plus from up-stream users to middle-stream users)and JAMP AIS (Article Information Sheet from middle-stream users to down-stream users), etc.

Non-EU countries needs to take an action to adapt REACH especially to the obligation related to articles and JAMP provides potential solution to REACH obligation on communication through supply chain.

Demonstration Program on JAMP MSDSplus and JAMP Guidelines

This year we are planning to carry out a demonstration program on JAMP MSDSplus and JAMP Guidelines in cooperation with Ministry of Economic, Trade and Industry (METI-Japan) and Japan External Trade Organization (JETRO). This demonstration program starts from August 2008 to January 2009. This year, we have picked up two target countries as a model which is Malaysia and Thailand.

The objective of this demonstration program is to introduce and disseminate the JAMP’s activities and the tools to the ASEAN counties and to find out whether the JAMP’s framework and tool’s are workable and effective in these countries.

The schedule for this demonstration program is as follows;

- Hold 1day Seminar on JAMP introducing about the JAMP’s activities and 1day training course on JAMP MSDSplus and JAMP Guidelines. In this training course, we will go into the details on JAMP guidelines and how to write and make JAMP MSDSplus.
- After this seminar and training course, the participants for this demonstration program will go back to their companies and actually make JAMP MSDSplus on there products and answer to the questionnaires on JAMP MSDSplus and JAMP Guidelines.
- In October, We will hold a small work shop to receive the progress reports from the participants and JAMP will give advices and answer to their questions.
- In some where in late November to early December, we will hold a big work shop to receive the

debriefing reports from the participants on this demonstration program to grasp the problems and get feedbacks on MSDSplus and JAMP guidelines and rearrange the problems.

From the outcomes of the workshop JAMP will discuss the countermeasures to solve these problems to improve these tools so that it will be workable and useful for all suppliers and MSDSplus stakeholders in ASEAN countries.
Also we are planning to carry out a demonstration program on JAMP AIS next year.

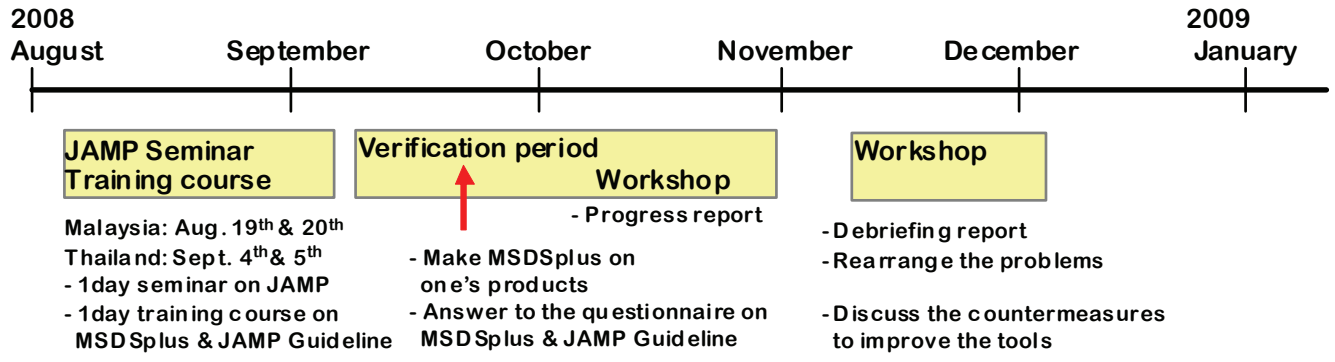
For this year's demonstration program, we would kindly ask the Malaysian chemical companies to participate to the demonstration program and receive the information on the JAMP's activities and get a introduction on JAMP MSDSplus and JAMP Guideline.

Demonstration Program on JAMP MSDSplus and JAMP Guidelines

Period of project: From August 2008 to January 2009
Target countries: Malaysia (Counterpart : CICM)
Thailand (Counterpart : MTEC, FTI-Chemical Industry Club)

Objective:
- to introduce and disseminate JAMP's activities and tools to the ASEAN countries
- to find out whether the JAMP's framework and tools are workable and effective in the ASEAN countries

Schedule:



Contacts

◆ JAMP Secretariat
Japan Environmental Management Association for Industry (JEMAI)
Tel: +81-3-5209-7705 Email: jamp@jemai.or.jp URL: http://www.jamp-info.com/english/

◆ Counterpart in Malaysia
Chemical Industries Council of Malaysia (CICM)
Mr. Wan Sulaiman
Tel: 603-62761211 Email: sulaiman@fmm.org.my

What to do in JAMP Demonstration Program

A. Questionnaire

(1) Fill in the JAMP Seminar Questionnaire to be collected **today**.

B. Guidelines for the Management of Chemical Substances in Products

(1) Read and try to understand the guideline again with your colleagues and your business partners.
(2) Fill in the questionnaire (excel file in CD) to be collected for the workshops.
(3) Fill in the checking points (excel file in CD) to be collected for the workshops.
(4) Try to make some presentation slides about your experiences, comments and questions for the workshops.

C. JAMP MSDSplus

(1) Training with JAMP MSDSplus Training kit **during this seminar**.

- Using JAMP MSDSplus Training kit, all the participants try to make some JAMP MSDSplus **during this seminar**.
- Evaluate the results of the first trial. MSDSplus sheets are to be collected **during this seminar**.
- Fill in the questionnaire to be collected **during this seminar**.

(2) Making JAMP MSDSplus for your own products towards the workshops

- Using JAMP MSDSplus format (excel file in CD), try to make JAMP MSDSplus sheets for your own products or model products.
- Then you use the EU03 substances list (excel file in CD) as a targeted substances for this demonstration program.
- Those sheets you make will be discussed and collected at the workshop on October and December.

(3) Fill in the JAMP MSDSplus Questionnaire to be collected for the workshops.

(4) Try to make some presentation slides about your experiences, comments and questions for the workshops.

D. Workshop

(1) Mini workshop on October

- Get together again here and have some presentation by participants for this program.
- We will check our progress and exchange our experiences, comments and questions for more advance. We will provide more lectures or exercises if anyone needed.

(2) Workshop on December

- As the final presentation of this demonstration program, we will hold a workshop for all the players in manufacturing.
- The agenda should include the experiences and progress during this program, problems, subjects and tasks for more progress in the field of chemical management using JAMP tools in this country.
- We will make a presentation about JAMP Guidelines for the Management of Chemical Substances in Products, JAMP MSDSplus and JAMP AIS for the better understanding in all the players of supply chain or web.

3.Outline of JAMP Activities

(see Appendix 4)

4.Guidelines for the Management of Chemical Substances in Products

4-1 Presentation of Guidelines for the Management of Chemical Substances in Products

(see Appendix 1)

4-2 JAMP Guideline Questionnaire

Questionnaires on the Guideline for Management of Chemical Substances in Products

Questionnaire A: Part I is used for JAMP seminar.
Part II is used for the Training Course on JAMP MSDSplus & Guidelines.

Questionnaire B: Fill out your answers/comments considering the actions taken after the Training Course, and submit/report at Verification period Workshop I (scheduled for October 2008).

Questionnaire C: Fill out your answers/comments considering the actions taken after the WS I (October), and submit/report at Workshop (scheduled for December 2008).

Guideline for Management of Chemical Substances in Products
Questionnaire A

Name of company	
Contact	
E-mail	
Date to answer	

Part I

[1] Verification of category to purchase/supply

Which category of product do you purchase; substance/preparation, or article?

□ Substance/preparation

□ Article

Which category of product do you supply; substance/preparation, or article?

□ Substance/preparation

□ Article

[2] Verification of supply chain

What is the nationality of the major company from which you purchase raw materials?

[Substance/preparation]

□ Domestic company

□ Company in other ASEAN countries

□ Japanese company

□ Companies in other countries (please specify:)

[Article]

What is the nationality of the major company from which you purchase raw materials?

□ Domestic company

□ Company in other ASEAN countries

□ Japanese company

□ Companies in other countries (please specify the country:)

What is the nationality of the major company to which you supply your products?

[Substance/preparation]

□ Domestic company

□ Company in other ASEAN countries

□ Japanese company

□ Companies in other countries (please specify the country:)

[Article]

What is the nationality of the major company to which you supply your products?

□ Domestic company

□ Company in other ASEAN countries

□ Japanese company

□ Companies in other countries (please specify the country:)

[3] Type of final use of your products

What is the most common type of final-use of your products?

□ General-use items

□ Electronic devices/electric apparatus □ Bicycles

□ Foods □ Toys

□ Building materials □ Packaging materials

□ Ornaments □ Other ( )

[4] Conveyance of information on chemical substances in products

Do you obtain information on chemical substances in the substance/preparation you purchase?

□ Yes

How? ( )

□ No

□ Not sure

Do you obtain information on chemical substances in the article you purchase?

□Yes

How? ( )

□ No

□ Not sure

Do you provide information on chemical substances in the substance/preparation you supply? □Yes How? ( ) □ No □ Not sure
Do you provide information on chemical substances in the article you supply? □Yes How? ( ) □ No □ Not sure

[5] Please provide your comment, feedback and questions on the Guideline for Management of Chemical Substances in Products.

□ Our company has established a management system for chemical substances in products. □ Not yet established a management system for chemical substances in products, however, our company recognizes the necessity to establish such system. □ Our company intends to establish a management system for chemical substances in products, however, it seems difficult to do so because of technical reasons such as lack of know-how. □ Our company does not need a management system for chemical substances in products.

Part II

[1] Installations to conduct demonstration program

Please select the type of installation that engages in the demonstration program. □ Company and our affiliates in the group (company-wide management) □ Business facilities of our company □ Specific part of manufacturing process in our company □ Request outsourcing manufacturer to do so (company-wide/ facility-specific management) □ Request outsourcing manufacturer to do so (manufacturing process-specific management) □ Request upstream companies to do so (company-wide or facility-specific management) □ Request upstream companies to do so (manufacturing process-specific management) □ Other ( )
Does the company/installation that engages in demonstration program establish a system to work on management of chemical substances in products? □ Quality management system (QMS) has been established. □ Environmental management system (EMS) has been established. □ A system for management of chemical substances in products has been established. □ Other

[2] Verification of frameworks corresponding to your business

Which category of product do you purchase: substance/preparation, or article? Which category of product do you manufacture: substance/preparation, or article? What category of product do you sell: substance/preparation or article?	
□ Purchase of substance/preparation	→ Management framework I
□ Manufacture of substance/preparation	→ Management framework II
□ Sales of substance/preparation	→ Management framework III
□ Purchase of article	→ Management framework IV
□ Manufacture of article	→ Management framework V
□ Sales of article	→ Management framework VI
■ Common management framework	→ Management framework VII: applicable to any types of installation

[3] Laws and regulations that should be satisfied for management of chemical substances in products

[EU]

□ RoHS Directive

□ ELV Directive

□ REACH Regulation

[Asian countries]

□ Domestic law ( )

□ China RoHS (Measures for the Administration of the Control of Pollution by Electronic Information Products.)

□ Korea RoHS (The Act for Resource Recycling of Electrical/Electronic Products and Automobiles)

□ Japan J-Moss

[Other]

( )

Are there any own criteria set for management of chemical substances in products in your company?

□ Yes

□ No

□ Not sure

(Comment)

[4] Design and development

For “design and development”, do you conduct any actions regarding management of chemical substances in products?

□ Yes □ No □ Not sure

(Comment)

[5] Purchase management (verification and acquisition of chemical substances in products information)

For “purchase management” (verification and acquisition of chemical substances in products information), do you conduct any actions regarding management of chemical substances in products?

□ Yes □ No □ Not sure

(Comment)

[6] Purchase management (verification of supplier management status)

For “purchase management” (verification of supplier management status), do you conduct any actions regarding management of chemical substances in products?

□ Yes □ No □ Not sure

(Comment)

[7] Acceptance verification

For “acceptance verification”, do you conduct any actions regarding management of chemical substances in products?

□ Yes □ No □ Not sure

(Comment)

[8] Process management

For “process management”, do you conduct any actions regarding management of chemical substances in products?

□ Yes □ No □ Not sure

(Comment)

[9] Shipping confirmations

For “shipping confirmations”, do you conduct any actions regarding management of chemical substances in products?

□ Yes □ No □ Not sure

(Comment)

[10] Traceability

For “traceability”, do you conduct any actions regarding management of chemical substances in products?

□ Yes □ No □ Not sure

(Comment)

[11] Change control

For “change control”, do you conduct any actions regarding management of chemical substances in products?

□ Yes □ No □ Not sure

(Comment)

[12] Non-conformity response

For “non-conformity response”, do you conduct any actions regarding management of chemical substances in products?

□ Yes □ No □ Not sure

(Comment)

Guideline for Management of Chemical Substances in Products
Questionnaire B（Draft）

Name of company	
Contact	
E-mail	
Date to answer	

[1] Current status of relevant action items in the Guideline for Management of Chemical Substances in Products

From 'Management Frameworks (I - VII)', check all frameworks evaluated as necessary in the management scope of the company (VII is a common management framework for all organizations).

□I □II □III □IV □V □VI ■VII

If possible, please provide your answers in the List/check sheet of action items in the Guideline for Management of Chemical Substances in Products. If you did so, you don't have to fill out the following table.

□ We use the Action Item List & Check Sheet in the Guideline for Management of Chemical Substances in Product.
□ We fill out the following table.

Action item	Detail	Relevance	Status
1. Policy	●Declare items to be dealt with in management of chemical substances in products.	□ □ □ □ □ □ VII	□ Already established □ Under development □ At planning stage □ Not sure (Comment)

Action item	Detail	Relevance	Status
2. Planning			
2.1 Definition of Management Criteria	●Management criteria to be followed shall be clarified based on legislation and industry criteria related to management of chemical substances in products, and conveyed to related corporate units.	Ⅶ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
2.2 Definition of Scope of Management	●‘Organizations’, ‘business’, ‘chemical substances’, ‘constituent materials’, ‘processes’, and ‘products’ etc shall be clarified as the scope of application of management criteria for chemical substances in products.	Ⅶ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
2.3 Establishment of Objectives & Planning for Implemented Processes	●Objectives and plans for management of chemical substances in products shall be prepared. Objectives and plans shall be revised as necessary.	Ⅶ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
2.4 Definition of Organizational System, Responsibility & Authority	●Rights and responsibilities for management of chemical substances in products shall be clarified.	Ⅰ Ⅱ Ⅲ Ⅳ Ⅴ Ⅵ Ⅶ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)

Action item	Detail	Relevance	Status
3. Implementation & Management			
3.1 Design and Development			
3.1.1 Design for Manufacture of Substances/Preparations	●When manufacturing substances/preparations, information on chemical substances in raw materials shall be verified, and products and manufacturing processes shall be designed to satisfy management criteria. Specify specifications of purchased products if necessary.	Ⅰ Ⅱ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
3.1.2 Design for Manufacture of Articles Using Substances/Preparations	●When manufacturing articles from substances/preparations, information on chemical substances in raw materials shall be verified. Any possible changes in concentration and type of contained chemical substances in processes shall be understood. Furthermore, the product shall be verified as conforming to the management criteria.	Ⅰ Ⅱ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
3.1.3 Design for Manufacture of Articles Using Articles	●When manufacturing new articles from existing articles, information on chemical substances in articles (e.g. parts), and conformance of the product to the management criteria, shall be verified.	Ⅳ Ⅴ Ⅶ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)

Action item	Detail	Relevance	Status
3.2 Purchase Management			
3.2.1 Verification and Acquisition of Chemical Substances in Products Information	●Information on the chemical substances in purchased products (IN information) shall be acquired, verified that it contains the necessary details, and that it is compatible with the management criteria. For new products and changed products, acquisition and verification of information on chemical substances in products in accordance with the management criteria shall be complete prior to commencing mass production.	I Ⅳ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
3.2.2 Verification of Supplier Management Status	●When selecting a new supplier, the status of management of chemical substances in the supplier's products shall be verified. When continuing with an existing supplier, reconfirmation shall be conducted as necessary. Measures for verification results shall be fixed. Supplier items to be verified, criteria, frequency, and method etc may be set in relation to risk level.	I Ⅳ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
3.3 Acceptance Verification	●When accepting purchased products, such products shall be verified as compatible with company management criteria. Items to be verified, criteria, method, and frequency etc may be selected in relation to the risk level of the purchased products.	I Ⅳ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)

Action item	Detail	Relevance	Status
3.4 Process Management			
3.4.1 Preventing Incorrect Use, Admixture, and Contamination	●Implementation of measures to prevent incorrect use, admixture and contamination of chemical substances shall be subject to management.	Ⅱ Ⅴ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
3.4.2 Appropriate Management of Reaction Processes	●Management shall ensure that residues do not remain, or are not created, when management criteria for chemical substances subject to management are exceeded, due to changes in constituents and concentrations.	Ⅱ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
3.4.3 Management of Sub-contractors	●Management of manufacturing sub-contractors shall be appropriate.	Ⅱ Ⅴ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
3.5 Shipping Verification	●Products shall be shipped after verification that all specified items have been checked, including cases of implementation during acceptance, or during a process.	Ⅲ Ⅵ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)

Action item	Detail	Relevance	Status
3.6 Traceability	●Product traceability shall be reliable.	☐ ☐ ☐ ☐ ☐ ☐ ☒ Ⅶ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
3.7 Change Control	●Rules for control of changes in management of chemical substances in products shall be determined, and the following details clarified. (1) Elemental changes having possible effects on chemical substances in products. Changes and additions in suppliers, changes in purchased items, and changes in processes etc (including changes not only in the company such as manufacturing conditions, molds, and jigs, but changes in sub-contractors etc). (2) Company internal and external procedures. Details to be verified, means of verification, approval processes etc. (3) Methods of transmitting information inside and outside the company. Recording changes, notification, identification information etc.	☐ ☐ ☐ ☐ ☐ ☐ ☒ Ⅶ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
3.8 Non-conformity Response	●Rules for measures to deal with non-conforming products (emergency measures, determination of causes, preventing reoccurrence, horizontal deployment etc) shall be determined.	☐ ☐ ☐ ☐ ☐ ☐ ☒ Ⅶ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)

Action item	Detail	Relevance	Status
4. Management of Human Resources, Documentation, and Information			
4.1 Training	●Details of training required for management of chemical substances in products, and related persons shall be identified and implemented.	Ⅶ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
4.2 Management of Documentation and Records	●Rules related to management of chemical substances in products shall be documented, maintained, and managed. Records of results of operation shall be prepared and stored appropriately	Ⅶ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
4.3 Communication (Provision of Information)	●Information on chemical substances in products (OUT information) shall be provided appropriately to suppliers. Appropriate response shall be provided to enquiries on the management system for chemical substances in products.	Ⅶ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)

Action item	Detail	Relevance	Status
5. Performance (State of Implementation) Evaluation and Improvement	●Status of management of chemical substances in products shall be verified periodically through an internal audit, and items requiring improvement shall be improved. Results of verification shall be reported to managers etc.	☐ ☐ ☐ ☐ ☐ ☐ Ⅶ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)
6. Management Review (Correction by Management)	●When the manager determines, from the results of an internal audit, that there are problems with non-conformance, improvements shall be implemented and reflected in the next objective.	☐ ☐ ☐ ☐ ☐ ☐ Ⅶ	□ Already established □ Under development □ At planning stage □ Not sure (Comment)

[3] Please provide your comment, feedback and questions regarding the Guideline for Management of Chemical Substances in Product.

Guideline for Management of Chemical Substances in Products
Questionnaire C（Draft）

Name of company	
Contact	
E-mail	
Date to answer	

[1] Please provide your answers in the Action Item List & Check Sheet in the Guideline for Management of Chemical Substances in Products.
(Annex 1; 8 pages in total)

[2] Please provide the self-check result in the following table, as you did in the List/check sheet of action items.

Conformance evaluation for action Items	No. of relevant action items	[items]
	Conformance	[items]
	Partial conformance	[items]
	Non-conformance	[items]

[3] About the Guideline for Management of Chemical Substances in Products
We hope that the companies in your country, as well as those in other Asian countries, conduct management actions of chemical substances in products with reference to the Guideline for Management of Chemical Substances in Products so as to establish a system to convey information on chemical substances in products in an effective and reliable manner.

Please answer the following questions regarding the Guideline for Management of Chemical Substances in Products, based on the demonstration program.

(1) Do you get a better understanding of the concept and action items of the Guideline for Management of Chemical Substances in Products?	□ Yes	□ No	□ Not sure (Comment)
(2) Do you think that the concept and action items of the Guideline for Management of Chemical Substances in Products would be accepted and understood by staff in relevant divisions in your company and affiliate companies, when you give them an explanation on the Guideline?	□ Yes	□ No	□ Not sure (Comment)
(3) Is it possible for your company to conduct the management in accordance with the Guideline for Management of Chemical Substances in Products (or is it possible to establish the management system within your company)?	□ Yes	□ No	□ Not sure (Comment)
(4) From perspective of downstream companies, do you find any excess or shortage in explanations on the requirements of this Guideline for Management of Chemical Substances in Products?	□ Yes	□ No	□ Not sure (Comment)
(5) Do you think information on chemical substances in products is enough reliable if your suppliers conduct a management system in accordance with this Guideline for Management of Chemical Substances in Products?	□ Yes	□ No	□ Not sure (Comment)

[4] Please give us any comments, feedback and questions regarding the Guideline for Management of Chemical Substances in Products.

5.JAMP MDSDplus

5-1 Presentation of JAMP MSDSplus

(See Appendix 2)

5-2 JAMP MSDSplus

JAMP MSDSplus

Document No.	
Format Version	2.01E
Date of Prepared	
Date of Revised	

This sheet provides supplemental chemical information of our product not covered by MSDS. Please refer to this sheet associating with MSDS.

1.Product and Company Information

Product Name	
Product Code	
Generic Name	
Supplier Identification	
Company Code	
Address	
Contact Point	
Phone Number	
Fax Number	
E-mail Address	
Authoring Division	
Phone Number	

2.Subustance Information

Subustance(s) To Be Notified				Relevant Standard *1							Remarks *2
Chemical Name	CAS No.	Conc.	unit	JP 01	JP 02	JP 03	EU	EU	EU	EU	

3.Relevant Standard Information

Code	Relevant Standard	issued or revised
JP01	Japanese Chemical Substances Control Law (Class Ⅰ Specified Chemical Substances)	
JP02	Industrial Safety and Health Act (Substances Prohibited of Manufacturing etc.)	
JP03	Poisonous and Deleterious Substances Control Law (Specified Poisonous Substances)	
EU01	2002/95/EC (RoHS Directive)	
EU02	2000/53/EC (ELV Directive)	
EU03	67/548/EEC [Annex I CMR－Cat1,2]	
EU04	76/769/EEC [other than 67/548/EEC Annex I CMR－Cat1,2	

*1 "●" is marked if a substance listed in the relevant standard and to be notified is intentionally added or known to be contained.
"●" does not directly mean legally regulated. It depends on use and other conditions.

*2 Notified if there is additional information.

*3 For more information please refer to "How to make JAMP MSDSplus".

JAMP MSDSplus ver.2

JAMP MSDSplus ver.2
Issued on: 31 January 2008
Issued by: Joint Article Management Promotion-consortium
Organization responsible for publication: Joint Article Management Promotion-consortium

How to Make JAMP MSDSplus

Compliant with JAMP MSDSplus ver.2
(Second Edition)

Joint Article Management Promotion-consortium

JAMP

How to Make JAMP MSDSplus Second Edition

Compliant with JAMP MSDSplus ver.2
Issued on: 31 January 2008
Issued by: Joint Article Management Promotion-consortium
General disclaimer:
*This document is provisional translation of JAMP MSDSplus ver.2作成の手引き（第2版）. You can download its original copy from JAMP website. http://www.jamp-info.com/glmsds/ (only in Japanese).
*You have to refer to the original document when you might have any questions or need confirmation.
*The original document is not final and may be subject to further revision.

* It is the responsibility of the user of this document to make any decision or conduct any practice after reading this document.

JAMP MSDSplus

Document No.	
Format Version	2.00
Date of Prepared	
Date of Revised	

This sheet provides supplemental chemical information of our product not covered by MSDS.
Please refer to this sheet associating with MSDS.

1. Product and Company Information

Product Name	
Product Code	
Generic Name	
Supplier Identification	
Company Code	
Address	
Contact Point	
Phone Number	
Fax Number	
E-mail Address	
Authoring Division	
Phone Number	

2. Substance Information

Substance(s) To Be Notified				Relevant Standard*1							*2
Chemical Name	CAS No.	Conc.	Unit	JP 01	JP 02	JP 03	EU 01	EU 02	EU 03	EU 04	Remarks

3. Relevant Standard Information

Code	Relevant Standard	Issued or revised
JP01	Japanese Chemical Substances Control Law (Class I Specified Chemical Substances)	
JP02	Industrial Safety and Health Act (Substances Prohibited of Manufacturing etc.)	
JP03	Poisonous and Deleterious Substances Control Law (Specified Poisonous Substances)	
EU01	2002/95/EC (RoHS Directive)	
EU02	2000/53/EC (ELV Directive)	
EU03	67/548/EEC [Annex I CMR - Cat1,2]	
EU04	76/769/EEC [other than 67/548/EEC Annex I CMR - Cat1,2]	

*1 "●" is marked if a substance listed in the relevant standard and to be notified is intentionally added or known to be contained.
"●" does not directly mean legally regulated. It depends on use and other conditions.

*2 Notified if there is additional information.

*3 For more information please refer to "How to make JAMP MSDSplus".

How to Make JAMP MSDSplus

I Scope

This document stipulates how to make a JAMP MSDSplus ver.2, hereinafter referred to as MSDSplus.

II Description Method

Document No. (Required)

Document numbers are used for organization, management, and query confirmation of issued MSDSplus documents.

An issuer can determine how to combine numerical figures and symbols to construct a document number. However, MSDSplus document numbers for other types of products shall not be duplicated.

Format Version (Required)

Copy the number written in the format of an MSDSplus document provided by the JAMP.

Reference: Version of a format

Version notation 2. X X

- Shows a minor revision, such as a correction of literal errors, or the addition or omission of sentences or words with no change in meaning
- Shows a revision resulting from the addition, omission, or change of relevant standards
- Shows a revision with a change of formatting, such as the addition or omission of columns and items

Date Prepared (Required)

Write the date when the first edition of the MSDSplus of a product is prepared or issued.

Basically, write the date in the YYYY.MM.DD format in the Gregorian calendar, Christian era.

Date Revised (Required)

Write the date when the latest edition of the MSDSplus document of a product is prepared or issued.

Basically, write the date in the YYYY.MM.DD format in the Gregorian calendar, Christian era.

Leave this space blank in the first edition of an MSDSplus document.

Product and Company Information

Product Name (Required)

Write the name of the product.

The name shall be the same as that specified in the MSDS.

Product Code (Arbitrary)

Write the item number or serial number of the product, if any.

An issuer can determine how to combine numerical figures and symbols to construct a product code. However, the product codes of other types of products shall not be duplicated.

Leave this space blank if no management number is provided for the product.

Generic Name (Required)

Write a socially acceptable name for a product, which shall conform to the description of the MSDS of the product.

[Examples]
Polypropylene, adhesive for rubber, etc.

Company Name (Required)

Write the name of the issuer of the MSDSplus.

The name shall be the same as that specified in the MSDS.

Company Code (Arbitrary)

If any, write the identification number of your company, as issued by an official or third-party body, such as an EDI code or a DUNS number.

Do not write a corporate code or a customer code that is used in a specific business.

Leave this space blank if no number has been provided, or if you do not wish to write the number.

Address (Required)

Write the address of the MSDSplus issuer.

The address shall be the same as that specified in the MSDS.

Contact Point (Required)

Write the name of the division in charge of MSDSplus preparation or management.

Basically, the name shall be the same as that specified in the MSDS.

Phone Number (Required)

Write the phone number of the division in charge of MSDSplus preparation or management.

Basically, the number shall be the same as that specified in the MSDS.

Fax Number (Required)

Write the fax number of the division in charge of MSDSplus preparation or management.

Basically, the number shall be the same as that specified in the MSDS.

E-mail Address (Arbitrary)

Write the pilot e-mail address of the division in charge of MSDSplus preparation or management, if any.

Leave this space blank if the division has no e-mail address, or its e-mail address may have changed due to the availability of only the e-mail address of a specific person in charge.

Authoring Division (Arbitrary)

As needed, write the name of the MSDSplus authoring division, if it is different from the division in charge of management and distribution of MSDSplus documents.

Leave this space blank if the authoring division is also in charge of management, or it is unnecessary to specify the name of the authoring division.

Phone Number (Arbitrary)

Write the phone number of the above-mentioned authoring division.

Leave this space blank if the phone number of the authoring division is the same as that of the division in charge of management, or if it is unnecessary to specify the authoring division.

Substance Information (Required)

If you have been informed that a substance to be notified is “intentionally added” or “known to be contained” in a product, specify the following sentence in the Substance Information space:

“This product contains the following substance(s) listed in the relevant standard and to be notified.”

In addition, present information on the substance(s) in the list below the Substance Information space.

Otherwise, specify in the same column

“This product contains no substances in the relevant standard and to be notified.”

Leave the same list blank.

The phrase “known to be contained” here means that it is clear that a substance to be notified is contained in a product because, “the material supplier informed you that a substance to be notified is contained therein” or “you confirmed data that shows that a substance to be notified is contained in the product in some manner.”

The number of list lines can be decreased or increased as needed.

Substance to be Notified

Write information on a substance to be notified in the following manner, if it is “intentionally added” or “known to be contained.”

Name (Required)

Basically, write the name of a substance to be notified as described in the corresponding Relevant Standard column.

However, write the name of a substance to be notified, if it is designated as a

substance group by a relevant standard, but you know the specific name of the substance.

If more than one relevant standard is applicable to the substance, and different names are given for the substance, any of these names can be used.

CAS No. (Required)

Write the CAS No. specified in the relevant standard.

In the following cases, write "-" in the box, and provide necessary information in the Remarks box.

- No CAS Number
- More than one CAS Numbers.
- Different CAS Numbers. due to isomers, etc.
- Out of relevant standards

Conc. (Required)

Write the content or concentration of a substance to be notified in the following manner:

- Concentration without a range: "○○"
- Concentration with a range: "○○ - ○○"
- Concentration with an upper limit: "- ○○"

Unit (Required)

Write the content or concentration of a substance in weight percent or weight ppm.

- Weight percent: "wt%"
- Weight ppm, or mg/kg: "ppm"

Relevant Standard (Required)

"●" is marked in each box of Relevant Standard, such as laws, regulations, and industrial standards, if the standard lists a substance. Otherwise, leave this space blank.

For details on relevant standards, see the attached explanatory materials.

The concentration of a substance at the point of sale and its usage determines whether it is controlled by laws or standards. This section is provided to indicate

that a substance listed in the relevant standards is contained in the product, not to show that it is under the control of laws or regulations.

Remarks (Arbitrary)

Write additional information on a substance listed in the relevant standard, if any.

Otherwise, leave this space blank.

Relevant Standard Information

Lists relevant standards that we ask you to write in the MSDSplus, with the accomanying symbols.

Issued or Revised (Required)

Write the dates of issuance or revision of the relevant standards to which you have referred.

[Example]

Code	Relevant Standard	Issued or revised
JP01	Japanese Chemical Substances Control Law (Class I Specified Chemical Substances)	Until issuance of the Revised Ordinance dated Oct. 31, 2007
JP02	Industrial Safety and Health Act (Substances Prohibited of Manufacturing etc.)	Until issuance of the Revised Ordinance dated Sep. 7, 2007
JP03	Poisonous and Deleterious Substances Control Law (Specified Poisonous Substances)	Until issuance of the Revised Ordinance dated Aug. 15, 2007
EU01	2002/95/EC (RoHS Directive)	Until amendment of 2006/692/EC
EU02	2000/53/EC (ELV Directive)	Until amendment of 2005/673/EC
EU03	67/548/EEC [Annex I CMR - Cat1,2]	Until 2004/73/EC (Commission Directive adapting to technical progress for the 29th time)
EU04	76/769/EEC [other than 67/548/EEC Annex I CMR - Cat1,2]	Until 2007/51/EC

III Remarks

Issue a revision immediately, in the following cases:

- A change of substances to be notified with a revision of a law
- A revision is necessary due to information provided by a material supplier
- A revision is necessary due to new data provided by an analysis
- Other revisions that the writer believes are necessary

5-4 JAMP MSDSplus ver.2Instruction Manual

JAMP MSDSplus ver.2 Instruction Manual

Compliant with JAMP MSDSplus ver.2
(Second Edition)

Joint Article Management Promotion-consortium

Joint Article Management Promotion-consortium

JAMP MSDSplus ver.2 Instruction Manual Second Edition

Conformity with JAMP MSDSplus ver.2
Date of publication: March 3, 2008
Organization responsible for publication: Joint Article Management Promotion-consortium

Contents

Note: JAMP MSDSplus ver.2 is referred to hereinafter as “MSDSplus.”

1. Background and purposes

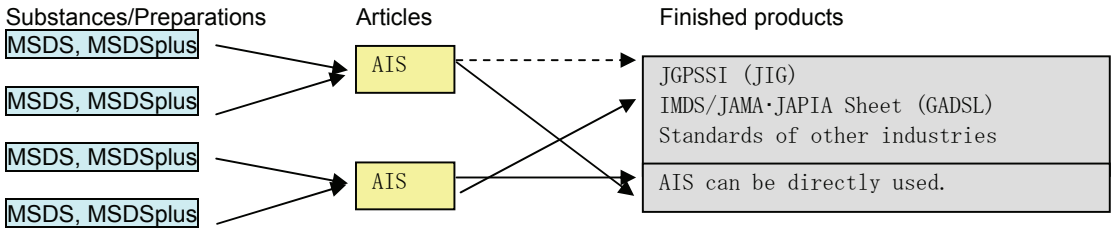
Information on the chemical substances in chemical products (information on chemicals contained in articles) is extremely important in terms of preventing the people involved in the supply chain from having health problems and for protecting the environment.

However, as such information has not necessarily been transmitted via an efficient and standardized method, various problems have been encountered throughout the whole supply chain.

Consequently, people from companies involved in the whole supply chain who were interested in this issue gathered together and set up the Joint Article Management Promotion-consortium (JAMP) to work towards the improvement of this issue.

JAMP has recommended that information on the chemical substances in products should be transmitted by using the basic information-transmitting sheet showed below.

- Regarding substances and preparations, “MSDS” and “MSDSplus” should be used to transmit information.
- Regarding articles, information on the chemical substances contained in articles should be transmitted by converting it to the “AIS （Article Information Sheet）” based on the MSDS and MSDSplus.
- Regarding finished products, information on the chemical substances contained in finished products should be confirmed on the basis of the “AIS.”



The MSDSplus is a sheet prepared by JAMP for the purpose of transmitting information on chemical substances in articles to complement the information transmitted by the MSDS; it is used to enter information such as “names of regulatory laws for target ingredients under management contained in products,” “existence or non-existence” of a target substance under management,” “name of substance,” “CAS No.,” and “concentration,” and transmit such information to downstream companies.

Chemical products are processed by downstream companies into products such as preparations, articles, and finished products. In doing so, the types or concentrations of the ingredients of a chemical product change according to factors like chemical reaction, condensation, and dilution. As the content and extent of the change largely vary with processing conditions of downstream companies and such conditions vary with each downstream company, it is not possible for a chemical substance or preparation manufacturer that is an upstream company to precisely predict things such as the concentration of a chemical ingredient after it is processed into an article.

Consequently, it is necessary for each chemical substance or preparation manufacturer to include in its MSDS and MSDSplus the information on an ingredient at the point of time such ingredient becomes its own product and provide it to downstream companies, which, based on the MSDS and MSDSplus provided by the chemical substance or preparation manufacturers, examine the types and concentrations of the chemical substances contained in their own molded products by taking account of the processing conditions.

As companies that concurrently handle chemical substances, preparations, articles, and finished products exist alongside with each other in the actual supply chain, the guideline for preparing the AIS has been devised in such a way that the MSDS, MSDSplus, and AIS can be effectively used by dividing these types of industries into seven categories.

In order to enhance the reliability of the transmission of information on the chemical substances contained in articles by means of the MSDSplus and AIS, it is required that each company conduct proper management of the chemical substances in articles. For that purpose, JAMP prepared the guidelines.

Regarding the MSDSplus, Ver.2 has now been completed. Improvement was made by reflecting the verification results—it is therefore laid open to the public.

The MSDSplus should be used concurrently with the AIS and the management guidelines, but as they are scheduled to be completed within 2008, MSDSplus is published first for the purpose of smoothly proceeding with the transmission of information as a whole by starting to transmit information on the upstream side of the supply chain in advance.

2. Guideline for preparation

The MSDSplus was prepared according to the following guidelines.

(1) Stepwise improvement and application

In order to improve problems through actual use, aiming towards practical application in an early stage, the MSDSplus should be started on the basis of a minimal model and improvements should then be made during the process of the trial by focusing attention on the items that really constitute a problem.

(2) Preparation and management of substances under management

"Ingredients falling under substances whose information on the chemical substances in articles should be transmitted," which is equal to "target substances under management," are the substances for which management should be conducted for the purpose of preventing human beings from having health problems and protecting the environment. It will be examined how best to establish a mechanism whereby substances which are based on scientific evidence and on which the parties concerned in the whole supply chain can reach a consensus are selected and revisions are made on a regular basis.

As a candidate for target substances under management, the substances regulated by each country's laws and regulations are important. Among these, there are many with reliable scientific evidence, which are statutory and should be complied with as an obligation; it is therefore necessary to register them on the list with priority.

Among the target substances under management determined by various industrial organizations, there are also many that have a high necessity for practical purposes such as the promotion of recycling—it is necessary to consider them as candidates for target substances under management. However, as there still remain many issues such as "if there are problems regarding scientific evidence" and "sometimes there occur serious problems to industries concerned such as the possibility of hindering marketing activities," it is considered necessary to decide which of them should be determined as target substances under management within the scope agreed upon after negotiations with companies in the whole supply chain.

In MSDSplus Ver.2, it was decided that the substances limited to the existing related laws and regulations in Joint and abroad for which it is considered possible to reach a consensus in the whole supply chain (Table 2-1) should be treated as target substances under management.

Table 2-1 Target Substances under Management (version Jan. 2008)

The target substances under management prescribed by the following laws and regulations are determined as target substances under management:

Code	Applicable regulatory laws, regulations etc.	Revised version
JP01	Chemical Substances Control Law (Class I Specified Chemical Substances)	Up to the promulgation of the revised enforcement ordinance on Oct. 31, 2007
JP02	Industrial Safety and Health Law (substances prohibited to be manufactured)	Up to the promulgation of the revised enforcement ordinance on Sept. 7, 2007
JP03	Poisonous and Deleterious Substance Control Law (specified poisonous substances)	Up to the promulgation of the revised enforcement directive on Aug. 15, 2007
EU01	2002/95/EC［Restriction of Hazardous Substances Directive］	Up to revision 2006/692/EC
EU02	2000/53/EC［End of Life Vehicles Directive］	Up to revision 2005/673/EC
EU03	67/548/EEC（Appendix I, CMR－Cat. 1 and 2）	Up to 2004/73/EC (29th directive on the application)
EU04	76/769/EEC（67/548/EEC Appendix I, with CMR－Cat. 1 and 2 excluded）	Up to 2007/51/EC

Note 1: Addition or deletion in the future is possible.

JP01, JP02, and JP03 are substances that are, in principle, prohibited to be manufactured in or imported to

Japan. Originally it was not necessary to have them specified as target substances under management by the applicable regulatory laws, etc., but there is the possibility that they may come into being in a large quantity as byproducts, such as by getting mixed in with overseas raw materials that are not regulated by laws. As the impact could be very large in such a case, they were adopted by suppliers in the sense that these substances should be confirmed in volunteer management.

EU01 and EU02 are the council directives that were recently enforced regarding electric and electronic machinery and cars.

EU03 is the existing EU council directive. It covers a lot of substances that will be included in Appendix XIV of the existing REACH in the near future and are highly likely to become candidates for substances to be regulated as authorized target substances (SVHC). (The SVHC list has not yet been made open to the public in the current stage.)

EU04 is the existing EU council directive cited as the restricted substances included in Appendix XVII of the existing REACH (substances whose use applications and use conditions are under restriction).

EU03 and EU04 were selected for the purpose of making preparations for responding to REACH.

When laws and regulations are revised or modified or when substances are added or deleted, the conditions change. Therefore, the name of the revised version (the content of the version revision column) should be entered into the MSDSplus corresponding to the applicable regulatory laws, etc.

JAMP also reviews at its discretion the target management standards and target substances under management which it provided, but in some cases it may become too late to make an update and the standard is therefore not necessarily of the latest version.

Consequently, the publisher of the MSDSplus should monitor the trends of laws and regulations and promptly review the MSDSplus if there are changes; if necessary, the MSDSplus should be revised without waiting for the information provided by JAMP to be updated.

In that case, if there are changes in the handling of chemical substances in products, it is natural to revise the regulations, but even if there are no changes, please replace the “Formulation and Revision” with the latest version.

Table 2-1 shows the target substances under management for the MSDSplus. When more target substances under management are added from the stage of preparing the AIS, as it is necessary to respond to the revision of REACH or to add important laws and regulations of the U.S. and other Asian countries, the table is scheduled to be revised through negotiations with the whole supply chain in the future.

(3) Criterion for entering information on the chemical substances in products

If there is information that among the substances that form a product, those which fall under target substances under management were contained in the product (“added intentionally” or “already known to be contained through a certain method”), “Yes” was entered, and if there is no such information, “No” was entered.

In the case of “Yes,” the name of the substance, CAS No., and the concentration of the target substance under management were entered.

Companies that provide the MSDSplus should voluntarily enter with good intentions the information on whether or not target substances under management were contained regarding the “ingredients other than those intentionally added” after they take account of factors such as downstream companies, manufacturing methods, the possibility of containing, and the deadline for transmitting information.

“Already known to be contained through a certain method” means that the substances are clearly known to be contained, such as “We have received information from the raw material manufacturer that the substances are contained” and “We have confirmed via a certain method that the substances are contained.” Unclear ingredients are excluded, as it is not clear whether or not they are contained.

Regarding the concentration limit that is needed to be entered (hereinafter referred to as the “threshold value”), as it is difficult to regulate in a unified manner based on many conditions such as the hazard of an ingredient, the comparison to a natural object, and the permissible concentration which varies with the use, for the time being the following are used as rough standards:

a. If the threshold value to be indicated according to the regulatory laws has been indicated, follow that value.
b. Follow common practice in the industry or widely accepted common sense.
c. Regarding the obtained information on the containing of a substance, follow the threshold value that the MSDSplus provider voluntarily determined after taking account of factors such as the degree of hazard of a regulated substance, the comparison with the natural background concentration, the use by a customer that has easily been known, and the concentration of a similar substance determined by the regulatory laws.

Reference: Currently, the obligation of notification prescribed in REACH for substances of very high concern applies to the case where the concentration is 0.1%.

(4) Scope of information disclosure

JAMP hopes that information can be provided when target substances under management "were intentionally added" to the product or "are known to have been incorporated via a certain method," but it does not regard it as compulsory to determine unclear ingredients in a detailed way to make everything clear.

Therefore, for receivers of information, in order to smoothly and promptly prepare the MSDSplus and AIS for their own products by collecting information from many upstream companies, it is recommended that they prepare the MSDSplus based on the information obtained at that point of time and transmit the information as soon as possible.

However, if the information requires updating, e.g., the information on unclear substances was made known later, please prepare a revised MSDSplus and transmit that information as soon as possible.

In addition, if new information is scheduled to be transmitted, please enter that effect in the remarks column in advance.

(5) Determination on whether or not a substance falls under target substances under management

To determine whether or not an ingredient in one's own product falls under target substances under management specified by the laws and regulations that serve as a base for those target substances under management or by the standards agreed upon among the industry (hereinafter referred to as "target management standards"), each company should determine this by comparing the ingredient in its own product to the target management standards.

As mentioned above, there is a possibility that substances that did not fall under the substances regulated by the laws and regulations in the stage when the MSDSplus was prepared may become such substances in the stage when they become products of downstream companies because chemical and physical changes take place when chemical products are used by downstream companies and there are diversified uses for these products.

Consequently, in the stage of preparing the MSDS, the information on the condition of containing should be transmitted as "Yes" depending on whether they were entered as substances regulated by the target management standards.

To that end, downstream companies should determine whether or not they actually follow the regulations when manufacturing their products.

The target management standards are put on the JAMP website.

(6) Supporting tool for MSDSplus preparation

For confirmation of the above "determination on whether or not a substance falls under target substances under management" and "target management standards," a great deal of knowledge and many man-hours will actually be needed, because there exist many target substances under management.

As a result of verifying the MSDSplus Ver.1, companies have frequently requested that a supporting tool to facilitate the preparation should be provided. Therefore, JAMP provides a program to support the operation of "determination on whether or not a substance falls under target substances under management" (the supporting tool for MSDSplus preparation).

If the supporting tool for MSDSplus preparation is used, it will be comparatively easier to determine whether or

not a substance with a CAS No. falls under target substances under management. However, substances without a CAS No. should be determined by an individual. In addition, the final decision should be made by the person in charge in a comprehensive way.

Among target substances under management, there are some that have no CAS No. and some whose CAS No. cannot be precisely specified because they are indicated by group of substances. Consequently, there are limits to the preparation of a program to support the correct determination of whether or not a substance falls under target substances under management. As the supporting tool to be provided initially, JAMP provided one that supports only the search for substances with CAS Nos. among the target management standards code EU03 （Appendix I, CMR-Cat1 and 2）.

When using the supporting tool, please note that a decision by an individual is needed for things that the supporting tool fails to cover. Before use the supporting tool, please thoroughly understand its instructions for use.

3. Obligation to use and obligation to provide

Reply with the MSDSplus is not compulsory, but it is highly recommended to use the MSDSplus as much as possible, because it is a standardized sheet based on what has been agreed upon in the whole supply chain.

The MSDSplus is provided when downstream companies have asked for the provision of information. Of course, suppliers are recommended to provide the MSDSplus even if not asked to do so by downstream companies.

When companies are requested by their customers to report target substances under management in products according to those customers' own standards, we hope that they can give an account of the activities and the report standard provided by JAMP in its homepage and report to their customers by using the MSDSplus and AIS.

4. Restriction on the more stringent standards

The objective of the MSDSplus is to overcome the impediment to the transmission of information caused by the inundation of standards of various companies in the past. Consequently, unless permitted by the MSDS, one should pay attention to the following points and should under no circumstances change the MSDSplus format on its own by changing the condition of entry:

1) Do not change the MSDSplus format without permission.
2) Do not set one's own conditions in the condition of entry in the MSDSplus, such as the requirement to enter the concentration based on the analysis.
3) Do not add, change, or delete target substances under management of the MSDSplus without permission.

Of course, there is no restriction on providing and receiving information other than the items that should be entered in the MSDSplus, but in that case, please do so beyond the scope of the MSDSplus, e.g., by attaching another document.

Also, when it is considered necessary to add standards that should be attached to the MSDSplus or to delete them, please convey that to JAMP for its consideration.

5. Concurrent use with MSDS

Information on chemical products such as hazards and measures to prevent accidents is transmitted through the MSDS. The MSDSplus transmits information by supplementing what the MSDS lacks. Therefore, in principle, the MSDS and the MSDSplus should be used together to transmit information.

When the content of the MSDSplus was entered in the MSDS, it is also possible to transmit information only through the MSDS, but it is considered necessary to take account of the response practically made by downstream companies, e.g., transmit that effect to the supply chain by entering it in the remarks column of the MSDSplus or Item 16 of the MSDS.

6. Revision number of MSDSplus

When an MSDSplus is published because the criterion for preparation was revised by JAMP according to need,

it should be confirmed based on which version of the criterion for preparing the MSDSplus that the MSDSplus was prepared.

For this purpose, the revision number of an MSDSplus is shown in the following way.

When showed as JAMP MSDSplus Ver. Ⅹ.○△, JAMP MSDSplus means a revised version as follows.

Ⅹ： The number gradually becomes larger when the format, content, and method of description have been fundamentally different.
○： The number gradually becomes larger when revisions have been made along with the changes in the target management standards.
△： The number gradually becomes larger when minor revisions (such as the correction of misprints) other than the above-mentioned ones have been made

7. Outline of the process to prepare MSDSplus

For details, please refer to each item of this manual.

1. It is necessary to transmit information on target substances for management. (such as that published by the company itself and as a response to customer demand)

↓

2. Select the means for transmitting information.
a. Use MSDSplus if the product is a chemical product or mixture but not an article.
b. Use AIS if the product is an article.
c. If a customer requires that investigation be conducted according to its own standard, ask the customer for permission to comply with the MSDSplus or AIS.

→ In case of b

Preparation of AIS
(Refer to the AIS Manual to be published later.)

↓In case of □

3. Make MSDSplus ready for use.
The following can be downloaded from JAMP's website:
a. MSDSplus format
b. MSDSplus manual
c. Guide for preparing the MSDSplus
d. JAMP list of target substances under management
e. Supporting tool for MSDSplus preparation

↓

4. Confirm the ingredients of one's own products.
The following should be confirmed regarding the constituent ingredients (intended constituent ingredients) of one's own products:
a. Name of ingredient
b. Concentration
c. CAS No.

↓

5. Confirm the following a. and b..
a. Confirm whether or not each ingredient of one's own product is identical with that showed in the list of the target substances under management.
b. Based on the information from raw material manufacturers and inside the company, confirm whether or not ingredients other than in □ are identical to those showed in the JAMP list of target substances under management.
Note: One may use the supporting tool for preparation in a supplementary way.

→ ←

Use the supporting tool for preparation to determine whether or not a substance falls under the list (Attention should be paid to the limit of the said tool, such as the failure to search for substances without CAS Nos. **The final confirmation should be made by the person who prepared the MSDSplus.).**

↓

6. Confirm under which of the following the result in 5. falls:
a. None of the ingredients fall under the judgment standard on the ingredients contained in products.
b. Some of the ingredients fall under the judgment standard on the ingredients contained in products.

→ In case of a.

If none of the ingredients fall under the judgment standard, make a notification by entering the column of "Information on target substances under management in products" of the MSDSplus as "This product contains no target substances under management as listed in the following target management standards."

↓In case of □

7. If such ingredients are contained:
a. The column of "Information on target substances under management in products" of the MSDSplus should be entered as "This product contains the target substances under management as listed in the following target management standards."
b. Next, make a notification by entering into the "Column of target substances under management" the following information on ingredients that fall under the judgment standard on ingredients contained in the products: name of ingredient, CAS No., concentration, and name of applicable regulatory standard and name of its revised version.

End

5-5 Targeted substances list

Here we show an example list of targeted substances; EU03 toxic to reproduction. All the EU03 substances lists are included in CD-R of JAMP Demonstration Program 2008 as the targeted substances list for the demonstration program this time.

*Note :This list is created on the basis of the relevant regurations and directives,however it does not provide any guarantees for compliance with the regulations. If you utilize this list,please be sure to refer to relevant Regulations and Directives.

EU03_2-List of Repr.Cat.1/Repr.Cat.2 substances in 67/548/EEC Annex Ⅰ（67/548/EEC Annex Appendix I, CMR－Cat. 1 and 2））

This list shows only chemicals of toxic to Reproduction.

（2004.4.30 included by 29t ATP(Adaptation to Technical Progress）

CAS No.	EC No.	Chemical Name	Classification
119738-06-6	414-200-4	(+/-) tetrahydrofurfuryl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenyloxy]propionate	Muta.Cat.3;R68 Repr.Cat.2;R61 Repr.Cat.3;R62 Xn;R22-48/22 N;R50-53
96-18-4	202-486-1	1,2,3-trichloropropane	Carc.Cat.2;R45 Repr.Cat.2;R60 Xn;R20/21/22
68515-42-4	271-084-6	1,2-benzenedicarboxylic acid di-C7-11-branched and linear alkylesters	Repr.Cat.2;R61 Repr.Cat.3;R62
84777-06-0 [1] - [2] 131-18-0 [3] 605-50-5 [4]	284-032-2 [1] - [2] 205-017-9 [3] 210-088-4 [4]	1,2-benzenedicarboxylic acid, dipentylester, branched and linear [1] n-pentyl-isopentylphthalate [2] di-n-pentyl phthalate [3] diisopentylphthalate [4]	Repr.Cat.2;R60-61 N;R50
112-49-2	203-977-3	1,2-bis(2-methoxyethoxy)ethane TEGDME triethylene glycol dimethyl ether triglyme	R19 Repr.Cat.2;R61 Repr.Cat.3;R62
96-12-8	202-479-3	1,2-dibromo-3-chloropropane	Carc.Cat.2;R45 Muta.Cat.2;R46 Repr.Cat.1;R60 T;R25 Xn;R48/20/22 R52-53
110-71-4	203-794-9	1,2-dimethoxyethane ethylene glycol dimethyl ether EGDME	Repr.Cat.2;R60 Repr.Cat.2;R61 F;R11 R19 Xn;R20
106-94-5	203-445-0	1-bromopropane n-propyl bromide	F;R11 Rep.Cat.2;R60 Rep.Cat.3;R63 Xn;R48/20 Xi;R36/37/38 R67
556-52-5	209-128-3	2,3-epoxypropan-1-ol glycidol oxiranemethanol	Carc.Cat.2;R45 Muta.Cat.3;R68 Repr.Cat.2;R60 T;R23 Xn;R21/22 Xi;R36/37/38
	420-580-2	2-[2-hydroxy-3-(2-chlorophenyl)carbamoyl-1-naphthylazo]-7-[2-hydroxy-3-(3-methylphenyl)carbamoyl-1-naphthylazo]fluoren-9-one	Repr.Cat.2;R61 R53
75-26-3	200-855-1	2-bromopropane	F;R11 Repr.Cat.1;R60 Xn;R48/20 R66

CAS No.	EC No.	Chemical Name	Classification
110-80-5	203-804-1	2-ethoxyethanol ; ethylene glycol monoethyl ether	R10 Repr.Cat.2;R60-61 Xn;R20/21/22
111-15-9	203-839-2	2-ethoxyethyl acetate ; ethylglycol acetate	Repr.Cat.2;R60-61 Xn;R20/21/22
80387-97-9	279-452-8	2-ethylhexyl[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]thio]acetate	Repr.Cat.2;R61 R43 R52-53
109-86-4	203-713-7	2-methoxyethanol ; ethylene glycol monomethyl ether	R10 Repr.Cat.2;R60-61 Xn;R20/21/22
110-49-6	203-772-9	2-methoxyethyl acetate ; methylglycol acetate	Repr.Cat.2;R60-61 Xn;R20/21/22
1589-47-5	216-455-5	2-methoxypropanol	R10 Repr.Cat.2;R61 Xi;R37/38-41
70657-70-4	274-724-2	2-methoxypropyl acetate	R10 Repr.Cat.2;R61 Xi;R37
143860-04-2	421-150-7	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	Repr.Cat.2;R60 C;R34 N;R50-53
6807-17-6	401-720-1	4,4'-isobutylethylidenediphenol (alt.): 2,2-bis(4-hydroxyphenyl)-4-methylpentane	Repr.Cat.2;R60 Xi;R36 N;R50-53
37894-46-5	253-704-7	6-(2-chloroethyl)-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane; etacelasil	Repr.Cat.2;R61 Xn;R22-48/22
	402-660-9	A mixture of: disodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-hydroxy-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate trisodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-oxido-1-(4-sulfonat	Repr.Cat.2;R61 R52-53
	421-550-1	A mixture of:1,3,5-tris(3-aminomethylphenyl)-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione a mixture of oligomers of 3,5-bis(3-aminomethylphenyl)-1-poly [3,5-bis(3-aminomethylphe-nyl)-2,4,6-trioxo-1,3,5-(1H,3H,5H)-triazin-1-yl]-1,3,5-(1H,3H,5H)-triazine-2,4,6-tr	Carc.Cat.2;R45 Repr.Cat.2;R61 R43 R52-53
	403-250-2	a mixture of:4-[[bis-(4-fluorophenyl)methylsilyl]methyl]-4H-1,2,4-triazole;1-[[bis-(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole	Carc.Cat.3;R40 Repr.Cat.2;R61 Xn;R22 N;R51-53
7789-09-5	232-143-1	ammonium dichromate	E;R2 O;R8 Carc.Cat.2;R45 Muta.Cat.2;R46 Repr.Cat.2;R60-61 T+;R26 T;R25-48/23 Xn;R21 C;R34 R42/43 N;R50-53

CAS No.	EC No.	Chemical Name	Classification
68049-83-2		azafenidin	T;R48/22 Repr.Cat.2;R61 Repr.Cat.3;R62 N;R50-53
85-68-7	201-622-7	BBP benzyl butyl phtalate	Repr.Cat.2;R61 Repr.Cat.3;R62 N;R50-53
17804-35-2	241-775-7	benomyl (ISO) methyl 1-(butylcarbamoyl)benzimidazol-2-ylcarbamate	Muta.Cat.2;R46 Repr.Cat.2;R60-61 Xi;R37/38 R43 N;R50-53
50-32-8	200-028-5	benzo[a]pyrene benzo[def]chrysene	Carc.Cat.2;R45 Muta.Cat.2;R46 Repr.Cat.2;R60-61 R43 N;R50-53
485-31-4	207-612-9	binapacryl (ISO) 2-sec-butyl-4,6-dinitrophenyl-3-methylcrotonate	Repr.Cat.2;R61 Xn;R21/22 N;R50-53
117-81-7	204-211-0	bis(2-ethylhexyl) phthalate di-(2-ethylhexyl) phthalate DEHP	Repr.Cat.2; R60-61
117-82-8	204-212-6	bis(2-methoxyethyl) phthalate	Repr.Cat.2;R61 Repr.Cat.3;R62
111-96-6	203-924-4	bis(2-methoxyethyl)ether	R10 R19 Repr.Cat.2; R60-61
10108-64-2	233-296-7	cadmium chloride	Carc.Cat.2;R45 Muta.Cat.2;R46 Repr.Cat.2;R60-61 T+;R26 T;R25-48/23/25 N;R50-53
7790-79-6	232-220-0	cadmium fluoride	Carc.Cat.2;R45 Muta.Cat.2;R46 Repr.Cat.2;R60-61 T+;R26 T;R25-48/23/25 N;R50-53
10124-36-4	233-331-6	cadmium sulphate	Carc.Cat.2;R45 Muta.Cat.2;R46 Repr.Cat.2;R60-61 T;R48/23/25 T+;R26 T;R25 N;R50-53
10605-21-7	234-232-0	carbendazim (ISO) methyl benzimidazol-2-ylcarbamate	Muta.Cat.2;R46 Repr.Cat.2;R60-61 N;R50-53
630-08-0	211-128-3	carbon monoxide	F+;R12 Repr.Cat.1;R61 T;R23-48/23

CAS No.	EC No.	Chemical Name	Classification
66-81-9	200-636-0	cycloheximide	Muta.Cat.3;R68 Repr.Cat.2;R61 T+;R28 N;R51-53
84-74-2	201-557-4	dibutyl phthalate DBP	Repr.Cat.2;R61 Repr.Cat.3;R62 N;R50
39300-45-3	254-408-0	dinocap (ISO)	Repr.Cat.2;R61 Xn;R20-48/22 Xi;R38 R43 N;R50-53
88-85-7	201-861-7	dinoseb ; 6-sec-butyl-2,4-dinitrophenol	R44 T;R24/25 Repr.Cat.2;R61 Repr.Cat.3;R62 Xi;R36 N;R50-53
1420-07-1	215-813-8	dinoterb (ISO) 2-tert-butyl-4,6-dinitrophenol	Repr.Cat.2;R61 T+;R28 T;R24 R44 N;R50-53
32536-52-0	251-087-9	diphenylether; octabromo derivate	Repr.Cat.2;R61 Repr.Cat.3;R62
96-45-7	202-506-9	ethylene thiourea ; imidazolidine-2-thione ; 2-imidazoline-2-thiol	Repr.Cat.2;R61 Xn;R22
69806-50-4	274-125-6	fluazifop-butyl (ISO) butyl (RS)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate	Repr.Cat.2;R61 N;R50-53
103361-09-7		flumioxazin (ISO) N-(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzoxazin-6-yl)cyclohex-1-ene-1,2-dicarboxamide	Repr.Cat.2;R61 N;R50-53
85509-19-9		flusilazole (ISO) bis(4-fluorophenyl)(methyl)(1H-1,2,4-triazol-1-ylmethyl)silane	Carc.Cat.3;R40 Repr.Cat.2;R61 Xn;R22 N;R51-53
75-12-7	200-842-0	formamide	Repr.Cat.2;R61
15245-44-0	239-290-0	lead 2,4,6-trinitro-m-phenylene dioxide; lead 2,4,6-trinitroresorcinoxide; lead styphnate	E;R3 Repr.Cat.1;R61 Repr.Cat.3;R62 Xn;R20/22 R33 N;R50-53
1335-32-6	215-630-3	lead acetate,basic; lead acetate	Carc.Cat.3;R40 Repr.Cat.1;R61 Repr.Cat.3;R62 Xn;R48/22 R33 N;R50-53
		lead alkyls	Repr.Cat.1;R61 Repr.Cat.3;R62 T+;R26/27/28 R33 N;R50-53

CAS No.	EC No.	Chemical Name	Classification
7758-97-6	231-846-0	lead chromate	Carc.Cat.3;R40 Repr.Cat.1;R61 Repr.Cat.3;R62 R33 N;R50-53
12656-85-8	235-759-9	lead chromate molybdate sulfate red C.I.Pigment Red 104	Carc.Cat.3;R40 Repr.Cat.1;R61 Repr.Cat.3;R62 R33 N;R50-53
		lead compounds with the exception of those specified elsewhere in this Annex	Repr.Cat.1;R61 Repr.Cat.3;R62 Xn;R20/22 R33 N;R50-53
301-04-2	206-104-4	lead di(acetate)	Repr.Cat.1;R61 Repr.Cat.3;R62 Xn;R48/22 R33 N;R50-53
13424-46-9	236-542-1	lead diazide; lead azide	E;R3 Repr.Cat.1;R61 Repr.Cat.3;R62 Xn;R20/22 R33 N;R50-53
25808-74-6	247-278-1	lead hexafluorosilicate	Repr.Cat.1;R61 Repr.Cat.3;R62 Xn;R20/22 R33 N;R50-53
7784-40-9	232-064-2	lead hydrogen arsenate	Carc.Cat.1;R45 Repr.Cat.1;R61 Repr.Cat.3;R62 T;R23/25 R33 N;R50-53
1344-37-2	215-693-7	lead sulfochromate yellow C.I.Pigment Yellow 34	Carc.Cat.3;R40 Repr.Cat.1;R61 Repr.Cat.3;R62 R33 N;R50-53
17570-76-2	401-750-5	lead(II) methanesulphonate	Repr.Cat.1;R61 Repr.Cat.3;R62 Xn;R20/22-48/20/22 Xi;R38-41 N;R58 R33
330-55-2	206-356-5	linuron(ISO); 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea	Repr.Cat.2;R61 Repr.Cat.3;R62 Carc.cat.3;R40 Xn;R22-48/22 N;R50-53
625-45-6	210-894-6	methoxyacetic acid	Repr.Cat.2;R60-61 Xn;R22 C;R34

CAS No.	EC No.	Chemical Name	Classification
592-62-1	209-765-7	methyl-ONN-azoxymethyl acetate ; methyl azoxy methyl acetate	Carc.Cat.2;R45 Repr.Cat.2;R61
127-19-5	204-826-4	N,N-dimethylacetamide	Repr.Cat.2;R61 Xn;R20/21
68-12-2	200-679-5	N,N-dimethylformamide ; dimethyl formamide	Repr.Cat.2;R61 Xn;R20/21 Xi;R36
1836-75-5	217-406-0	nitrofen (ISO) 2,4-dichlorophenyl 4-nitrophenyl ether	Carc.Cat.2;R45 Repr.Cat.2;R61 Xn;R22 N;R50-53
79-16-3	201-182-6	N-methylacetamide	Repr.Cat.2;R61
123-39-7	204-624-6	N-methylformamide	Repr.Cat.2;R61 Xn;R21
7778-50-9	231-906-6	potassium dichromate	O;R8 Carc.Cat.2:R45 Muta.Cat.2;R46 Repr.Cat.2;R60-61 T+;R26 T;R25-48/23 Xn;R21 C;R34 R42/43 N;50-53
57044-25-4	404-660-4	R-2,3-epoxy-1-propanol	E;R2 Carc.Cat.2;R45 Muta.Cat.3;R68 Repr.Cat.2;R60 T;R23 Xn;R21/22 C;R34
		salts and esters of dinoseb, with the exception of those specified elsewhere in this Annex	R44 Repr.Cat.2;R61 Repr.Cat.3;R62 T;R24/25 Xi;R36 N;R50-53
		salts and esters of dinoterb	Repr.Cat.2;R61 T+;R28 T;R24 N;R50-53
7775-11-3	231-889-5	sodium chromate	Carc.Cat.2;R45 Muta.Cat.2;R46 Repr.Cat.2;R60-61 T+;R26 T;R25-48/23 Xn;R21 C;R34 R42/43 N;R50-53

CAS No.	EC No.	Chemical Name	Classification
10588-01-9	234-190-3	sodium dichromate anhydrate	O;R8 Carc.Cat.2;R45 Muta.Cat.2;R46 Repr.Cat.2;R60-61 T+;R26 T;R25-48/23 Xn;R21 C;R34 R42/43 N;50-53
7789-12-0	234-190-3	sodium dichromate, dihydrate	O;R8 Carc.Cat.2;R45 Muta.Cat.2;R46 Repr.Cat.2;R60-61 T+;R26 T;R25-48/23 Xn;R21 C;R34 R42/43 N;R50-53
13463-39-3	236-669-2	tetracarbonylnickel; nickel tetracarbonyl	F;R11 Carc.Cat.3;R40 Repr.Cat.2;R61 T+;R26 N;R50-53
61571-06-0	407-330-8	tetrahydrothiopyran-3-carboxaldehyde	Repr.Cat.2;R61 Xi;R41 R52-53
24602-86-6	246-347-3	tridemorph (ISO); 2,6-dimethyl-4-tridecylmorpholine	Repr.Cat.2;R61 Xn;R20/22 Xi;R38 N;R50-53
7446-27-7	231-205-5	trilead bis(orthophosphate)	Repr.Cat.1;R61 Repr.Cat.3;R62 Xn;R48/22 R33 N;R50-53
50471-44-8	256-599-6	vinclozolin (ISO) N-3,5-dichlorophenyl-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione	Carc.Cat.3;R40 Repr.Cat.2; R60-61 R43 N;R51-53
81-81-2 [1] 5543-57-7 [2] 5543-58-8 [3]	201-377-6 [1] 226-907-3 [2] 226-908-9 [3]	warfarin [1]; (S)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone [2]; (R)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone [3]	Repr.Cat.1;R61 T;R48/25 R52-53

5-6 JAMP MSDSplus Questionnaire

JAMP MSDSplus version 2.0 questionnaire

Regarding MSDSplus (the abbreviation of MSDSplus version 2.0), please select the appropriate option from each question and input it in the applicable column A. Additionally please describe a specific content in the column B if a detailed explanation is requested or selected option is marked with **. Also please describe your opinion in the column B if it relates to the question.
JAMP (Joint Article Management Promotion-consortium) looks forward to your constructive opinion.

No.	Question	column A	column B (specific explanation or opinion)
1	**Question your company position in supply chain**		
1-1	**Type of your company (please consider your company's main business**		
	1 manufacturer		
	2 trading company		
	3 Information technology		
	4 Others (please describe a specific content in the column B)**		
1-2	**If your company is a munafcturer, please select the applicable item from the below option.**		
	1 substance		
	2 preparation		
	3 article		
	4 finished product		
	5 Others (please describe a specific content in the column B)**		
2	**About MSDSplus format**		
2-1	**If your company prepares MSDSplus, please select the applicable item from the below option.**		
	1 You can prepare it easily		
	2 You can prepare it without any problems practically.		
	3 You have a small problem but you can prepare it		
	4 You have a difficulty to prepare it becau **		
	5 You can't prepare it **		
2-2-1	**How the general product name should be named?**		
	1 Each company can name it without restricition.		
	2 JAMP should prepare the unified standard		
	3 JAMP should refer the applicable industries standard.		
	4 Others (please describe a specific content in the column B)**		
2-2-2	**Please provide your opinion about the description of general product name and business confi** **		
2-2-3	**Please provide your opinion about any other matters in the product information column.** **		
2-3	**About issuing information column**		
2-3-1	**JAMP makes it a rule to input industry unified code or DUNS code in the company ID column if applicable. How do you think?**		
	1 No problem		
	2 We don't mind it		
	3 We have troubles (please describe a specific content in the column B)		
	4 Others (please describe a specific content in the column B)**		
2-3-2	**Please provide your opinion about any other matters in the issuing information column.** **		
2-4	**About object substances information column**		
2-4-1	**Is the process to determine whether the object substances contain in your products or not Appropriate and practical ?**		
	1 Yes		
	2 No		
	3 Others (please describe a specific content in the column B)**		
2-4-2	**Are there any other "object criteria" which you think it might be necessary to get in MSDSplus?**		
	Please describe a specific content in the column B**		
2-4-3	**What do you think hot to get in new "object criteria" in MSDSplus?**		
	Please describe a specific content in the column B**		
2-4-4	**About description of CAS number if it is applicable to object substance.**		
	1 Should describe it if it is applicable to object substance.		
	2 Should NOT describe it even if it is applicable to object substance.		
	3 Should leave it to MSDSplus developer's judgment.		
	4 Should describe not only CAS number but also any other official number.		
	5 Others (please describe a specific content in the column B)**		

2-4-5	**About description of concentration if it is applicable to object substance.**		
	1 Should describe it if it is applicable to object substance.		
	2 Should NOT describe it even if it is applicable to object substance.		
	3 Should leave it to MSDSplus developer's judgment.		
	4 Should describe not only wt % but also any other unit such as ppm.		
	5 Others (please describe a specific content in the column B)**		
2-5	**About Remarks**		
	1 Present describing way is acceptable.		
	2 Should improve (please describe a specific content in the column B)		
	3 Others (please describe a specific content in the column B)**		
2-6	**About any other subjects in MSDSplus format** **If you have any opinion, please describe a** **		

3	**About MSDSplus preparation supporting tool**		
3-1	**the necessity of suporting tool**		
	1 Necessary		
	2 Unnecessary		
	3 We can prepare MSDSplus without the supporting tool.		
	4 Others (please describe a specific content in the column B)**		
3-2	**What function is necessary for a supporting tool?**		
	1 automatic judgment whether object substance include or not.		
	2 automatic preparation of MSDSplus		
	3 storage the inputted ingredients information in the company's file and erase it when reporting others		
	4 Others (please describe a specific content in the column B)**		

4	**Others**		
4-1	**Is the distinction between the role of MSDS and MSDSplus clear for you ?**		
	1 Yes		
	2 No		
	3 Others (please describe a specific content in the column B)**		
4-2	**If you get MSDSplus from your suppliers, is it possible to create your own products' MSDSplus on the basis of supplied MSDSplus?**		
	1 Yes		
	2 No		
	3 Others (please describe a specific content in the column B)**		
4-3	**Is the process to determine how to cope with unclear ingredients in MSDSplus clear and understandable?**		
	1 Yes		
	2 No		
	3 Others (please describe a specific content in the column B)**		
4-4	**Could MSDSplus be good solutions in case products bring about chemical and physical change?**		
	1 Yes		
	2 No		
	3 Others (please describe a specific content in the column B)**		
4-5	**If you want to get MSDSplus from your suppliers, is it possible for you to get it within reasonable set term limit?**		
	1 Yes		
	2 No		
	3 Others (please describe a specific content in the column B)**		
4-6	**Please provide your comments how to improve communicability of MSDSplus in supply chain?**		
	1 Yes		
	2 No		
	3 Others (please describe a specific content in the column B)**		
4-7	**About any other subjects in MSDSplus,** **If you have any opinion, please describe a specific content in the column B.****		

Thank you for your cooperation and we look forward to continuing to develop our relationship through the chemical management in global supply chain.

6.JAMP AIS

6-1 JAMP AIS ver.2

JAMP AIS

Note: Entering into yellow fields is mandatory.

1. AIS Information

Format Version	**Ver. 2.0**
Date Originally Issued	(YYYY/MM/DD)
Date of Latest Revision	
Revision History	(Please start by 1st Edition)
GP (Global Portal) Sheet ID	**Inputting into this field is not necessary.**

2. Issuing Company Information

Company Name		
JAMP Member Company ID		(If your company is a JAMP member company, please input the applicable ID.)
Company ID	Organization ID	(Please enter the Organization ID (DUNS, etc.))
	Industry ID	(Please enter the Industry ID registered in the Organization ID entered above)
Address		
Issuing Department		
Telephone Number of Issuing Department		
FAX Number of Issuing Department		
Email Address of Issuing Department		
Department in Charge of Preparing AIS		(Please input in case you want to provide this information in addition to Issuing Department)
Telephone Number of Department in Charge of Preparing AIS		
Sheet Reference Number		(Optional)
Remarks		(Optional)

3.Article Information

Manufacturer Name	
Common Product Name	
Issuing Company Item Number	
Multiple Product name/ Product Series Name	
Remarks	

Note: Entering into yellow fields is mandatory.

4. Composition Information

Article Mass					
Unit type (Please select the appropriate unit from piece, m, m2, m3)		Mass		Unit of Mass (Please select the appropriate unit from kg, g, mg)	

Information Content			
☐ ☐	covers GADSL scope does not cover GADSL scope	☐ ☐	covers JIG scope does not cover JIG scope

Selection of one of the choices is mandatory.

Selection of one of the choices is mandatory.

Level		Component		Material					Substance				Applicable Regulation or Standard										Remarks		
Level Name	Quantity	Component Name	Quantity	Use	Material Name	Material Classification Number	Material Code of Public Standard	Material Mass	Substance Name	CAS Number	Concentration (wt%)	Substance Mass Select from kg, g, mg	Voluntary Reporting Substances Remarks	67/548/EEC CMR 1,2 Remarks	76/769/EEC Remarks	ELV Exempted Application/Remarks	RoHS exempted application/remarks	GADSL Remarks	JIG Remarks			Quantity X Material Mass (Non-mandatory)	Quantity X Substance Mass (Non-mandatory)
Not necessary in case of an original part				Select from Material Classification	Select from Material Classification	Select from Material Classification	Material Code of Public Standard shall be entered if applicable	Select from kg, g, mg															

Declaration Concerning Composition Information

☐ 0. This article is recognized NOT to contain any declarable substances within the scope of applicable regulations and standards.

☐ 1. This article is recognized to contain declarable substances within the scope of applicable regulations and standards.

Selection of one of the choices is mandatory.

5. Other Information

Reference Documents, Restrictions, Notes	

The information on this sheet is compiled based on the entries from sections 1 to 4.

6. Information To Be declared

Common Product Name					
Article Mass					
Unit Type (Please select the appropriate unit from piece, m, m2, m3)		Mass		Unit of Mass	

Level		Component		Material					Substance					Applicable Regulation or Standard														Remarks	Quantity X Material Mass (Non-mandatory)
Level Name	Quantity	Component Name	Quantity	Use	Material Name	Material Classification Number	Material Code of Public Standard	Material Mass	Substance Name	CAS Number	Concentration (wt%)	Substance Mass	Select from kg, g, mg	Voluntary Reporting Substances	Remarks	67/548/EEC CMR 1,2	Remarks	76/769/EEC	Remarks	ELV	Exempted Application/Remarks	RoHS exempted application/remarks	GADSL	Remarks	JIG	Remarks		

7. Specified Chemical Substance Concentration within Article

Declarable substance			
Substance Name	CAS No.	Concentration within Article	wt%
			wt%
			wt%
			wt%
			wt%
			wt%

Note: Entering into yellow fields is mandatory.

8.Total Amounts of Material within Article Note: This information is integrated and independently transferred from Section 4 "Composition Information"

Material	Material Classification No.	Material Mass	
Select from Material Classification	Select from Material Classification		g

Requester information

Company Name			
JAMP Member Company ID			
Company ID	Organization ID		
	Industry ID		
Issuing Department			
Contact Person at Issuing Department			
Address of Contact Person			
Telephone Number of Contact Person			
FAX Number of Contact Person			
Email Address of Contact Person			
Submission Date			
Requester Item Number No.1		Issuing Company Item Number No.1	
Requester Item Number No.2		Issuing Company Item Number No.2	
Requester Item Number No.3		Issuing Company Item Number No.3	
Requester Item Number No.4		Issuing Company Item Number No.4	
Requester Item Number No.5		Issuing Company Item Number No.5	
Requester Item Number No.6		Issuing Company Item Number No.6	
Remarks 1: New lines can be added if necessary. Remarks 2: Entering of multiple product names or product series names is accepted.			
Requester Remarks 1			
Requester Remarks 2			
Requester Remarks 3			

6-2 Presentation of JAMP AIS

‘(See Appendix 3)

JAMP

Appendix 1 *Presentation of Guidelines for the Management of Chemical Substances in Products*

Appendix 2 *Presentation of JAMP MSDSplus*

Appendix 3 *Presentation of JAMP AIS*

Appendix 4 *Presentation of Outline of JAMP Activities*

Supplement **Guidelines for the Management of Chemical Substances in Products*

**JAMP MSDSplus Training Kit*

**JAMP SEMINAR Questionnaire*

Joint Article Management Promotion-consortium